

DIRECTORATE GENERAL QUALITY ASSURANCE

ANNUAL REPORT

2023-24

वार्षिक प्रतिवेदन

2023-24

DIRECTORATE GENERAL OF QUALITY ASSURANCE

DEPARTMENT OF DEFENCE PRODUCTION

GOVERNMENT OF INDIA – MINISTRY OF DEFENCE

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FOREWORD

1. Directorate General of Quality Assurance, the oldest and premier QA organization has onerous responsibility of providing AHSP & Quality Assurance cover for wide spectrum of weapons, Defence equipment and stores. The organization has been commendably carrying out number of additional assignment entrusted by the Government from time to time. The Annual Report of Directorate General of Quality Assurance for the year 2023-24 highlights the important activities of the organization and will act as an important reference document for all.
2. In the year 2023-24, DGQA has provided effective Quality Assurance cover to various Defence store procured from both Indian Defence Industries and Ex-Import sources, which are worth approx Rs 27000 Crores in the year 2023-24. Such an achievement is noteworthy especially when the organization is presently undergoing a vital transformation phase wherein various initiatives and reforms including the organizational restructuring have been undertaken. It is very important for the organization to embrace these changes in a positive way and adapt to shift of our role and responsibility to ensure a seamless transition.
3. The report is a comprehensive compilation of all the key activities undertaken by the Directorates, Establishments and various important training activities undertaken by DIQA with special emphasis on the role played by all in achieving the reforms at every levels.
4. I am sanguine, that we as a unified team will keep up the good work and evolve amiably to undertake all future challenges with renewed vigour to steer the government's directions towards 'Atmanirbharta' and 'Ease of doing Business'.

Jai Hind

Place: New Delhi
Date: 09 Aug 2024


(Shri N Manoharan)
DG, DGQA

DGQA AT A GLANCE
2023-2024

ORGANIZATION.

Ser No	Details of Organization	Latest Nos
1	Technical Directorates	08
2	Administration Directorate	01
3	Policy Planning & Training Directorate	01
4	No of Controllerates	22
5	No of Chief Quality Assurance / Senior Quality Assurance / Quality Assurance Establishments	53
6	Major Proof Ranges	02
7	Defence Institute of Quality Assurance (DIQA), Bengaluru	01

BUDGET.

Ser No	Total Expenditure	Rs in Cr
1	Expenditure	955.21 Cr

INSPECTION.

Ser No	Head	Rs in Cr
1	Value of Stores Inspected(cumulative)	26860.90
2	Value of Stores Accepted(cumulative)	25242.32
3	Value of Indigenous Stores Accepted(cumulative)	24018.65
4	Value of Imported Stores Accepted(cumulative)	1223.67

AHSP ACTIVITIES.

Ser No	Activities	Nos
1	No of Drawings / Specifications Sealed	7698
2	No of Drawings / Specifications digitized	36037
3	No of DGQA Approvals Issued	13
4	No of Indents / Extracts Vetted	13243
5	No of Technical Publications Processed	953
6	No of Items Codified	15735
7	No of Technical Evaluations	58

REVENUE GENERATED.

Ser No	Head	Rs in lakh
1	Testing/Inspection of Samples/Sale of Metals /Gauges	20.5469
2	Proofing of Guns	1.2404
3	Sale of Technical Publications	0.008337
4	Inspection/Registration Charges/CV/ Vendors Fee/ Contract Assessment/GCC/Export Promotion	0.5893

PART- I

ORGANISATION AND FUNCTIONS

1. HISTORY.
2. ROLE.
3. ORGANISATIONAL STRUCTURE.
4. FUNCTIONS.
5. BUDGET.

ORGANISATION AND FUNCTIONS

Brief History

1. The Directorate General of Quality Assurance (DGQA) is an inter-service organisation and is entrusted with the responsibility of ensuring quality of Defence Stores for Army, Navy and stores common to Army, Navy and Air Force. The History of DGQA dates back to the year 1869 when an Inspectorate was created at Ammunition Factory, Kirkee. This was followed by the formation of following Inspectorates and Technical Directorates as indicated below. The chronological events are as follows:-

(a)	Chief Chemical Inspectorate, Nainital (Inspectorate Of Explosives & Chemicals, Kirkee – 1920)	1908
(b)	Inspectorate of Guns & Rifles, Jabalpur	1911
(c)	Inspectorate of Guns Carriages, Jabalpur	1911
(d)	Inspectorate of General Stores, Kanpur	1912
(e)	Inspectorate of Ammunition, Kirkee	1921
(f)	Inspectorate of Small Arms, Ichapur	1921
(g)	Inspectorate of Guns and Shells, Cossipore	1929
(h)	Chief Inspectorate of Mechanical Transport, Chaklala	1929
(j)	Inspectorate of Scientific Stores, Rawalpindi	1939
(k)	Inspectorate of Metal & Steel, Ichapur	1940

2. The above constitutes the beginning of the various Inspection Establishments/Units over which the present Directorate General of Quality Assurance (DGQA) erstwhile known by the name of Directorate General of Inspection (DGI), exercises overall technical and administrative control. As the tempo of Defence production built up during the Second World War, these Establishments were grouped into two Directorates functioning under MGS (erstwhile MGO) and one Controllerate under DGS&D. These were:-

- (a) Directorate of Armaments (MGS).
- (b) Directorate of Mechanisation (MGS).
- (c) Controllerate General of Inspection (DGS&D).

3. They were given the overall responsibility of ensuring the quality of stores manufactured and supplied to troops by Ordnance Factories and Trade.

4. In 1946, these organisations were grouped into a single composite Inspection-cum Research & Development Organisation called the Directorate of Technical Development in the

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MGS Branch. Full administrative and technical control of all the functions of Inspection, Testing, Research and Development of Armament and other Stores & Equipment was for the first time, vested in a single authority, viz., DTD Organisation.

5. The organisation continued to function till November 1955, when, on the recommendation of the Armed Forces Re-organisation Committee, the DTD Organisation was transferred to the newly created Controller General of Defence Production (CGDP) under the Ministry of Defence. In 1957, the Directorate of Technical Development was bifurcated into Armament and General Directorates.

6. In 1958, a beginning was made to bifurcate the Research & Development and Inspection functions of these two Directorates. The re-organized Directorate of Research & Development (Armament) was transferred to the newly created R&D Organisation. The Inspection Organisation was placed under the CGDP and was re -organized into the following Directorates:-

- (a) Directorate of Inspection (Armaments).
- (b) Directorate of Vehicles & Engineering.
- (c) Directorate of Production and Inspection (Electronics).
- (d) Directorate of Stores Production (Navy) under NHQ.

7. In 1960, a Defence Cataloguing Authority was formed under the CGDP which was later reconstituted as Directorate of Standardization and placed directly under the Department of Defence Production & Supplies in 1965.

8. Self-reliance and self-sufficiency being the key factors of the Defence policy of the country, indigenization process started during early sixties. Due to expertise already available with DGI, the demanding task of indigenization was given to DGI. In order to efficiently carry out this demanding task, Technical Committees were constituted under each Technical Director. These Committees were functioning under the overall control of Department of Defence Production & Supplies in the Ministry of Defence.

9. In 1961, Directorate of Vehicles and Engineering was bifurcated into Directorate of Inspection Vehicles (under CGDP) and Directorate of Engineering (under R&D Organisation).

10. In March 1963, the CGDP was re-designated as the Controller General of Inspection and Planning (CGIP). In August 1963, the Planning Cell of CGIP was placed directly under Secretary (DP) and CGIP was re-designated as the Director General of Inspection (DGI).

11. In 1963, the Directorate of Stores Production (Navy) was transferred to DGI and re-designated as Directorate of Development and Inspection (Marine Stores) - DDI (MS). In 1968, DDI (MS) was bifurcated into Directorate of Development and Inspection (Marine Stores) and Directorate of Warship Projects (DWP). In 1969, DDI (MS) was re-designated as Directorate of Production and Inspection (Naval) DPIN. DWP was basically created to look after the requirements of new construction of ships, mainly the "Leander Class Frigates" at MDL Mumbai while DPIN was for all Naval Stores and Equipment along with spares for ships in service. Later, in 1975, DWP was also given the responsibility of all Marine Engineering and Hull Equipment including rotating electrical machinery (except ventilation fans) along with

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spares while DPIN was given the responsibility of Electrical, Electronics, Weapon Equipment and patternised Naval Stores including POL products, paints, etc.

12. In 1965, the Directorate of Inspection Vehicles was further bifurcated into Directorate of Inspection Vehicles and Directorate of Vehicles R & D.

13. In 1968, Directorate of Engineering R&D was also bifurcated into Directorate of Production and Inspection Engineering Equipment (DPIE) and Directorate of Engineering R&D. In the same year, Directorate of R&D (General) was bifurcated into Directorate of Inspection (General Stores) and Directorate of R&D (General Stores).

14. In 1978, the officers of Defence Science Service (DSS) in the R&D and DGI organisation were also trifurcated into the following three independent organisations, viz;

- (a) Defence Research and Development Organisation - DRDO.
- (b) Directorate General of Inspection – DGI.
- (c) Directorate of Technical Development and Production (Air) - DTD&P (Air).

15. In 1987, DGI was re-designated as the Directorate General Quality Assurance (DGQA). The DGQA Organisation is at present under the administrative and overall control of the Department of Defence Production in the Ministry of Defence.

16. **Role:** DGQA organisation is responsible for Quality Assurance of Defence Stores produced by DPSUs/PSUs and private sectors. The organisation takes all the actions necessary to ensure that the Defence Forces of the country get the entire range of arms, ammunition, equipment and stores of the desired quality that will enhance the combat efficiency and effectiveness of the fighting forces and they are able to easily maintain and fully exploit the equipment and stores. While performing this role, this organisation has to carry out multifarious functions. Some of the salient functions are as given in the succeeding paragraphs:-

- (a) **Quality Assurance.** This can be broadly divided into the following aspects:-
 - (i) Incorporation of quality and reliability plans in the GSQRs/NSQRs/ASRs & Joint Staff specifications of the Services.
 - (ii) Evaluation of quality and reliability.
 - (iii) Improving quality and reliability based on feedback information.
 - (iv) Quality Audit, Process Audit, Documentation Audit & Surveillance.
- (b) **Preparation of Technical Documents and Literature.** Framing/Adoption of specifications to meet the user's requirements and then continuously updating it to keep abreast with the latest technology available in the country. It includes various parameters of process engineering, manufacturing methods, material specifications, testing methods, etc.
- (c) **Pre-contract and Post Contract Services to Defence Indenter.** The services provided, include technical vetting of indents and tender enquiries / RFP, testing of advance samples / pilot samples, technical guidance during production, liaison with production agencies, to remove any bottlenecks during production, quality audit,

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investigation of defects/failures and suggesting remedial measures including modifications to the existing equipment. These provide feedback to design and production agencies for incorporation of improvements in future production. Active participation in the user cum technical trials and association with design authority during development of new equipment.

(d) **Cataloguing.** Cataloguing, standardization and preparation of various technical documents e.g. Illustrated Spare Parts Lists (ISPLs), Users Handbook, Operation Manual, etc.

(e) **Technical Guidance.** DGQA organisation is also called upon to render technical advice to stocking depots, EME repair workshops and user units.

17. **Structural Reforms in DGQA.** The existing set-up of DGQA(Appx A) is structured into technology specific four tiers of hierarchy namely HQ DGQA, Tech Dtes, Controllerates and Quality Assurance Establishments. Approval of competent authority and instructions for re-organisation of DGQA 'except DQA(WP) & DQA(N)', were issued by MoD/DDP on 15 Mar 2024. In the re-organised structure 53 establishments will be in place of existing 95 establishments. In addition, 09 Technical Directorates have been consolidated into six by merging 03 Tech Dtes. Two new Directorates namely DQA(Region) (with five new Regional Quality Assurance Establishments at Delhi, Kanpur, Kolkata, Mumbai and Chennai under this Dte) and Dte of Defence Testing & Evaluation Promotion (to cater for transparency in allocation of proof & testing facilities in DGQA as well as other govt agencies) are being created. The reformed reorganisation will enable the following:-

- (a) Faster decision making by reducing existing four tier into three tiers.
- (b) Uniformity in QA.
- (c) Product based QA approach.
- (d) Single Point of Contact for Equipment/ Weapon platform.
- (e) Nodal/ Single Point Technical Directorates and AHSP.
- (f) Single point CQAs for an Equipment and uniformity in procedures.
- (g) Transparency in allocation of Proof and Testing Facilities.

18. The above reorganisation of DGQA will render more effective and efficient output for Users and enable industry to utilise the scope of meagre resources of Proof and Testing facilities in an efficient manner. Besides it will ensure long term adaptability to emerging technologies and standards.

19. Each discipline is headed by an Addl DGQA of the rank of Major General or equivalent. Two Controllerates viz.; CQA (GS), Kanpur & CQA (Amn), Pune and CPE, Itarsi are also headed by Major General or equivalent. Technical Disciplines are organizationally structured as follows:-

- (a) Technical Directorates at Headquarters.
- (b) AHSP and Controllerates {except DQA (N) & DQA (WP)} / Quality Assurance Establishment.

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(c) Proof Establishments (Under DDTPE Only).

20. Directorate of Administration and Personnel Management provides staff and structural support viz personnel, financial and material management. The Directorate issues policy directives on all administrative matters and coordinates the administrative activities of the Organisation.

21. The functions of the Directorates are allocated to the various technical and administration sections in each Directorate. The responsibilities of each section are published in the form of DGQA Routine Orders from time to time.

(a) **Directorate of Quality Assurance (Armaments) – DQA (A)**. This discipline is responsible for Quality Assurance of all ammunition stores and activities related to conduct of proof firing, Metallurgy & Military Explosives stores manufactured at Ordnance Factories and provides technical support to all DGQA establishments in the area of metallurgy, explosives, Small Arms and Instruments stores. These are as under:-

- (i) Heavy calibre weapons.
- (ii) Tanks.
- (iii) Artillery Guns.
- (iv) Small Arms.
- (v) Instruments including electro optical instruments.
- (vi) Metallurgy and Military Explosives.

(b) **Directorate of Quality Assurance (Stores) - DQA (S)**. This Discipline is responsible for Quality Assurance of all items of Textiles and Clothing, Chemicals, Drugs & Pharmaceuticals, Paints, Petroleum Products and General Stores as under :-

- (i) Textiles and Fabrics (Wool, Silk etc).
- (ii) Rubber / Leather / Plastic items.
- (iii) Petroleum Products (to include Fuels, Lubricants & Preservatives).
- (iv) Paints, Varnishes and Chemicals.
- (v) Drugs & Pharmaceuticals.

(c) **Directorate of Quality Assurance (Vehicles) - DQA (V & EE)**. This discipline is responsible for Quality Assurance of all kinds of vehicles and Engineer Equipment used by the Army. The equipment include the common usage vehicles, other heavy vehicles, Engineer stores including bridges & NBC equipment, specialist vehicles and also various kinds of trailers & transporters less those being produced by DPSUs/PSUs and various types of engineering equipment as under:-

- (i) Firefighting equipment.
- (ii) Bridging equipment and water craft.
- (iii) Transportation and material handling equipment.
- (iv) Refrigeration and air-conditioning equipment.

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- (v) Compressors and pneumatic tools.
- (vi) Workshop equipment including machine tools.
- (vii) Engineering construction plant.
- (viii) Pre-fabricated structure.
- (ix) Electrical equipment such as transformers and transmitting equipment.
- (x) NBC equipment.

(d) **Directorate of Quality Assurance (Combat Vehicles) - DQA (CV).** This Directorate is responsible for QA of all Armoured Fighting Vehicles & Infantry Combat vehicles and their variants being designed by DRDO / Produced in Ordnance Factories / DPSUs. The range of stores are :-

- (i) Tank T-55 and their variants.
- (ii) Tank T-72 and their variants.
- (iii) Tank T-90 and their variants.
- (iv) MBT Arjun and variants.
- (v) ICV BMP-I & II and their variants.
- (vi) All types of Armoured Recovery vehicles.
- (vii) All types of engines of the AFVs and ICVs.

(e) **Directorate of Quality Assurance (Electronics) - DQA (L).** This discipline is responsible for Quality Assurance of the entire range of electronics and electrical equipment / stores required by the Army. The main areas are: -

- (i) Tele-communication equipment.
- (ii) Power generating equipment.
- (iii) Electronic warfare equipment.
- (iv) Electronic sub system and components of Armoured Fighting Vehicle.
- (v) All types of General purpose Electrical/ Electronics Components.
- (vi) Electro Chemical equipment such as Batteries.
- (vii) Test & measuring equipment, Counter IED equipment, Mine Detectors, GPS etc.

(f) **Directorate of Quality Assurance (Radars & Systems) - DQA (R&S).** This Directorate is responsible for QA of the entire range of Radars & Missiles equipment/stores required by Indian Army as under:-

- (i) Missiles.

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- (ii) Radars.
- (iii) Tac C3I Network Centric Projects.
- (iv) Unmanned Air vehicles.
- (v) Electronic assembly of various weapon systems.
- (vi) Simulators.
- (vii) Fuses.

(g) **Directorate of Quality Assurance (Naval) - DQA (N)**. This directorate is responsible for Quality Assurance and acceptance inspection of equipment / stores stated below:-

- (i) All electronic / electrical weapon systems/ equipment and spares for new construction ships and submarines & ships in service.
- (ii) General and engineering patternised Naval Stores items.
- (iii) POL stores, marine paints, Life Saving Equipment and Chemicals etc. for Navy.

(h) **Directorate of Quality Assurance (Warship Project)- DQA (WP)**. DQA(WP) provides Quality Assurance cover for all types of Engineering & Hull Machinery (including associated electrical /electronics equipment / control systems) and spares being procured against Purchase Orders placed by Defence Shipyards, Naval Procurement Agencies and Coast Guard, both for Warship under construction and in commission.

(j) **Directorate of Quality Assurance (Region)**. As part of the revised organizational structure of DGQA, Regional QA Esstt. (RQAEs) are proposed at five location (Delhi, Kolkata, Mumbai, Chennai and Kanpur). DQA (Region) will provide QA and capacity verification (CV) support for all types of product in 05 Region across the country.

(k) **Dte of Defence Testing & Evaluation Promotion (DDTEP)**. This directorate handles all technical matters of proof ranges and testing laboratories at HQ, DGQA. Administration of proof ranges at CPE Itarsi and LPR Khamria have been placed under DDTEP and it is aimed at bringing transparency in allocation of proof and testing facility of DGQA as well as other Gov Testing agencies. Proof ranges of DGQA will be under this Dte and technical control of all labs at various Controllerate will also come under this Dte to facilitate in allocation of testing facilities.

(l) **Directorate of Administration**. Directorate of Administration is responsible for:-

- (i) Central Coordination (Administration).
- (ii) Human Resource - Management and Development.
- (iii) Works.
- (iv) Financial Planning and Control.

(m) **Directorate of Policy, Planning & Training – (PP&T)**. This Directorate facilitates the processes of Planning, Policy Formulation, Technical Coordination, Training, Publications in DGQA Organisation, Promotion of MoD Schemes, Processing of Awards of excellence for DPSUs and Private Vendors, Coordination & monitoring of AHSP activities etc.

(n) **Defence Institute of Quality Assurance – (DIQA)**. This institute is responsible for the following:-

(i) To frame Training Policy and to continuously carry out need analysis to achieve high level of technical and administrative proficiency.

(ii) Plan and conduct Foundation /Orientation training for newly inducted officers and also to conduct refresher training courses periodically to update the knowledge of officers / staff of DGQA Organisation.

(iii) Guide the training schools run by AsHSP of DGQA.

(iv) Maintain active interaction and liaison with Indian and International Institutes and Organisations associated with training and Quality Assurance activities.

(v) Undertake studies and consultancy assignments for design and installation of quality systems in units manufacturing defence equipment.

22. The executive control (Technical and Administrative) of establishments of Defence Quality Assurance Organisation are vested in Director General of Quality Assurance (DGQA) who exercises these powers through the respective Addl DGQA at Headquarters of DGQA. Matters like security and military discipline are the responsibility of the local military authorities and these establishments are to maintain close liaison with them.

23. Army Service personnel are governed by Army Orders as amended from time to time. Naval and Air Force personnel are governed by relevant Naval and Air Force Orders respectively.

24. Civilian personnel will be governed by CCS Rules (Conduct) 1964 and CCS (CC&A) Rules 1965 as amended from time to time.

25. **Functions**. DGQA is an inter-service organisation and comprises of service and civilian personnel. Service officers are drawn from all Arms/Services and have a cadre of permanently seconded officers. Civilian officers are from AFHQ and Defence Quality Assurance Service cadre. The Organisation is vertically structured on a three tier pattern i.e., Headquarter Technical Directorates, Authorities Holding Sealed Particulars and Field Quality Assurance Establishments except for the Directorate of Quality Assurance (Naval) & (Warship Project). The organisation of DQA (N) & DQA (WP) has a two tier structure i.e. HQ & Field Units. As per para 1.4 of DPM 2009, AHSP responsibility in case of Air Force & Naval equipment rests with respective service HQ. The tasks performed by each of these are complimentary to each other and are integrated to achieve maximum efficiency. The duties of each level are briefly explained in the succeeding paragraphs.

26. The organisation is responsible for assuring the quality of entire range of weapons,

equipment and stores manufactured for use in the Army, Navy (except Naval Armament) and for common user items for the Air Force. These stores may be supplied by Ordnance Factories, Public Sector Undertakings, Joint Sector Undertakings, Private Industries and Foreign Sources. In the case of Armaments, manufacture of copper crusher gauges, chamber gauges, radial pressure gauges and other miscellaneous gauges is undertaken. The organisation also renders technical advice to the users on service conditions, reliability, maintenance and preparation of contract documents of the defence equipment. On receipt of feedback from users, the organisation carries out analysis on the exploited products and effects product improvements in desirable areas.

27. DGQA is also entrusted with the responsibility of promoting various MoD Schemes viz Green Channel Certification Scheme, Self Certification Scheme, Mission Raksha Gyan Shakti (Intellectual Property Rights facilitation cell, Third Party Inspection (TPI) of Defence Stores, Defence Export Promotion Scheme and Defence Testing Infrastructure Scheme (DTIS). These schemes launched by MoD for Ease of Doing Business are a step towards realizing the Govt of India's vision of "Atma Nirbhar Bharat" in manufacturing of Defence Stores.

28. **Headquarter Technical Directorates**. These function as apex body in each technical discipline and are responsible for planning, direction, co-ordination and control of various activities pertinent to each discipline. It culminates in laying down policies with respect to the Quality Assurance and related areas. Headquarters also perform a very important function of liaison and interaction with other agencies such as indenters / users in the Service Headquarters, manufacturers e.g., DPSUs, Shipyards and Public / Private Sector, DGS&D and other agencies.

29. The Technical Directorates at HQ are the controlling bodies and lay down the policies, procedures and effect / co-ordinate in respect of the following: -

- (a) Quality Assurance of Defence Stores and equipment manufactured by DPSUs/PSUs, Central/State Undertakings, Private Industries and foreign sources.
- (b) Undertaking developmental projects in connection with effecting minor modification to stores and equipment in service resulting in product improvement.
- (c) Assisting in production of the design developed by Research and Development Organisations. Undertaking such developmental projects as are assigned to the organisation with the purpose of establishing any product for introduction into service.
- (d) Investigation of defects and failures found during service, storage, use etc and effect product improvement.
- (e) Checking of service demands and making available the relevant drawings / specifications that govern supply.
- (f) Guidance to procurement and production agencies on all technical matters.
- (g) Introduction, change of status and cataloguing of service stores.
- (h) Compilation & vetting of various technical and service publications including catalogues.
- (j) Liaison with Defence Production agencies and civil agencies connected with development and production of Defence Stores.

- (k) Monitoring the progress of current production and supplies.
- (l) Advice to Service HQ Branches on technical matters relating to stores in service.
- (m) Scrutiny of lists of obsolete and surplus ordnance equipment & stores with a view to suggesting alternate utilization.
- (n) Participation in the activities of Directorate of Standardization of Ministry of Defence for the purpose of effecting standardization and rationalization of various specifications in the Services and to evolve Joint Service Specifications (JSS) where required.
- (o) Rendering of quality assurance & testing assistance, to civil departments, semi-government institutions and private bodies, including testing on payment as applicable as per existing orders.
- (p) Carry out such administrative and personnel functions as delegated by Director General of Quality Assurance from time to time.
- (q) Organisation of training courses for officers and staff.
- (r) Enable preparation and finalization of road map for capital acquisition.
- (s) Prepare and issue of Tech Literature like illustrated Spare Parts Lists, Users Hand Books, and Operating Manuals , Main Scale, Complete Equipment Schedule (CES) etc to field Army Units.
- (t) Carries out Dynamic Proof Testing of weapon/ammunition store.
- (u) Assists Standardization through Codification of Defence inventory and vetting of demands of spares through CIG Portal.

30. **Authority Holding Sealed Particulars (AHSP).** The functions of AHSP are as follows:-

- (a) **Preparation of Paper Particulars - Updation and Safe Custody.**
 - (i) Preparation of drawings.
 - (ii) Framing of specifications.
 - (iii) Preparation of quality assurance instructions / test schedules and inspection criteria.
 - (iv) Updating of paper particulars as a result of feedback/change in technology.
 - (v) Issue of paper particulars.
 - (vi) Sealing, accounting and safe custody of paper particulars.
- (b) **Preparation / Vetting of Technical Manuals for Equipment.**

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- (i) Preparation / scrutiny and vetting of Illustrated Spare Parts Lists (ISPLs) and User Handbooks, Workshop Manuals / Maintenance Instructions, Ammunition Instructions as applicable.
- (ii) Preparation / revision of catalogues.
- (iii) Maintenance of rate lists.
- (iv) Assistance to maintenance agencies in drafting technical literature.

(c) **Post Procurement Induction Documentation.**

- (i) Initiate introduction proposals.
- (ii) Issue assignment lists.
- (iii) Maintain MPI.
- (iv) Maintain information about the status of equipment and take action for change of status of the equipment as and when necessary.
- (v) Provide data bank facilities to various agencies on introduced equipment in service by answering various queries.

(d) **Industrial Survey.**

- (i) Provide requisite technological feedback information in relevant field.
- (ii) Capacity assessment/registration of only those firms which have responded to tenders.

(e) **Assistance in procurement of Equipment.**

- (i) Recommend sources for various types of equipment to indentors /purchasers, vetting of indents/RFP.
- (ii) Technical scrutiny of quotations and tender enquiries.
- (iii) Recommendations on the technical suitability of offers.
- (iv) Vetting of supply orders, A/Ts and initiating amendments where necessary.
- (v) Monitoring of supply orders.

(f) **Quality Assurance Authority.**

- (i) Testing and monitoring of quality of various types of samples.
- (ii) Maintain uniformity in quality assurance standard by issuing suitable instructions to Field Establishments.
- (iii) Monitor progress of supply orders placed by various agencies.
- (iv) Answer technical queries from quality assurance establishments on

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supply orders.

- (v) Guidance to manufacturers during production against various supply orders / A/Ts.
- (vi) Advise purchasers about various technical matters on A/Ts and supply orders.
- (vii) Quality assurance of imported stores, as necessary.
- (viii) Raising of Warranty claims.
- (ix) Carry out functions of Agent Quality Assurance Authority, where nominated.

(g) **Defect Investigation, Product Development / Value- Engineering.**

- (i) Carry out defect investigation in situ / laboratory.
- (ii) Issue draft staff letter amplifying operating procedures, maintenance schedules and preservation for the correct handling of equipment as a result of defect investigation.
- (iii) Issue draft Electrical & Mechanical Engg. Regulations (EMERs), Technical Memorandums, modification instructions consequent to defect investigation.
- (iv) Maintain data on performance of introduced equipment as a result of feedback from user units.
- (v) Carry out product development by undertaking limited development activity.
- (vi) Associate with Value Engineering Directorate on value engineering studies.
- (vii) Provide feedback to designers, manufacturers and users for evolving better design methodologies, manufacturing practices and operative procedures.

(h) **Testing Facilities and Workshops.**

- (i) Create, maintain and operate testing facilities for the equipment of responsibility.
- (ii) Update the testing facilities periodically to bring in line with the latest technological development and trends.
- (iii) Assist industry and other government departments in testing of equipment when acting as National Test Houses.
- (iv) Calibration of test equipment and type approval of components.
- (v) Type testing of trade equipment for military use.

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(vi) Manufacture and supply of critical components like gauges to other agencies where capacity in the civil sector does not exist.

(vii) Maintain appropriate workshop facilities in support of role.

(j) **Standardization.**

(i) Assist in implementation of standardization directives by assisting in framing of JSS, JSRL, JSPR and Roll on Plan.

(ii) Initiate proposals for allotment of DS Cat / Part numbers to new trade equipment and R&D developed equipment.

(iii) Study of commonality aspects.

(iv) Advice on disposal, re-utilization of surplus stores.

(v) Assist Directorate of Standardization in codification of inventory.

(vi) Comments on draft ISS, JSS, JSRL, JSG etc, whenever referred.

Note: In case of Navy, Standardization activities are carried out by IHQ, MoD (N).

(k) **Training and Recruitment.**

(i) Coordinate training of NGOs and conduct courses pertaining to specific fields for staff of the establishments as well as field units.

(ii) Conduct test / examination for recruitment of candidates for selection posts.

(iii) Maintain library facilities for reference and training.

(iv) Maintain model rooms patterns, equipment and other training aids for imparting training about the equipment.

(l) **User Trials and DGQA Evaluation.**

(i) Associate in user trials for various types of equipment offered by trade or developed by DRDO.

(ii) Interact with users by participating in various troop exercises to watch the performance of the equipment under field conditions.

(iii) Participate in feasibility studies conducted by General Staff Branch.

(iv) Carry out DGQA evaluation of equipment proposed to be inducted into service.

(m) **Consultancy.**

(i) Undertake specialized testing and render expert advice on subjects like ballistics and weapons for civil use.

(ii) Study GSQR/JSQR/RFP parameters and furnish recommendations.

(iii) Advise indenters on suitability of new types of equipment under

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consideration for procurement.

- (iv) Advise TPC/TEC/CNC.
- (v) Advise on the adequacy of production.
- (vi) Associate with DRDO/ DPSUs on major systems during development phase for advice on QA aspects.
- (vii) Act as a National Data Bank on quality assurance in relevant field.
- (viii) Represent various BIS committees and other national bodies by virtue of expertise and experience in the field.

(n) **Interaction with Manufacturing Sector.**

- (i) Arrange seminars on important topics to create awareness about the problems of reliability, quality assurance and production problems of defence equipment.
- (ii) Participate in various seminars for experience sharing and to keep abreast with the latest trends in the relevant fields of technology.
- (iii) Hold conferences of regional QA officials periodically to disseminate information, streamline procedures and to cut down delays.

31. **Field Quality Assurance Establishment.** Field Senior Quality Assurance Establishments are located all over the country. They may be either along with New DPSUs Ordnance Factories or the Public Sector Undertakings or in the region from where large quantities of Defence Supplies are obtained through Private Sector Industries. Field SQAEs are responsible for carrying out bulk inspection including laboratory testing and proof of sample where facilities are available as per the directives issued by the AHSP. Some SQAEs are organized in Wings / Detachments for smooth functioning.

32. **Proof Establishments.** Proof establishments under DDTEP are situated at places considered suitable for carrying out proofing of the weapons, filled / empty ammunition and explosives manufactured by DPSUs, Private Firms or procured from foreign sources. They carry out trials as directed by DDTEP. They tender feedback on the quality of stores produced in DPSUs and also carry out proof check for ammunition and other components kept in Ordnance Depots.

33. **Defence Institute of Quality Assurance (DIQA).** DIQA has become functional at Bangalore with effect from 19 Nov 1992 and it is now headed by a Major General as Director. This institution is responsible for planning, organizing and imparting training to officers / personnel.

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BUDGET (2023-24)

34. Statement of Budgetary Allocation for DGQA Organization (Rs in Cr)

Annual Report (FY 2023-24) (Amount in Crore)				
SI No.	Budget Head	Code Head	BE 2023-24	Exp upto Mar 2024 Pre)
1	P&A Ser. Officers	380/01	85.00	65.86
	P&A Ser. Others	380/02	40.50	36.48
	NCSE	380/03	0.00	0.00
	Total A		125.50	102.34
2	P&A Civ Officers	381/01	357.50	313.32
	P&A Civ Others	381/02	235.00	209.16
	IEs	381/03	100.00	101.36
	OT Others	381/04	8.00	0.34
	OT IEs	381/05	12.50	0.54
	Medical Treatment	381/06	8.00	8.50
	Total B		721.00	633.22
	Charged Expdr	381/01-03	1.00	0.00
3	Pay & Allowances Sub head 109-A&B	380&381	847.50	735.56
4	Misc Expenses Sub head 109-C	382/30	180.00	70.47
5	(a) Mov of Per	383/01	25.00	18.51
	(b) Mov of Stores	383/02	1.00	0.02
	(c) Foreign Travel	383/03	4.00	0.08
	(d) CHT	383/04	3.00	2.12
	Transportation Charges Sub-head 109-D	383	33.00	20.73
6	Material Purchased Locally	384/01	8.80	5.62
	Central purchase	384/02	163.00	57.45
	Custom Duty	384/03	0.20	0.00
	Deduct Value of SI	384/04	1.00	-2.35
	Purchase of Materials Sub head 109-E	384	173.00	60.72
7	Exp on Works Sub head-109-F	385/01	110.00	66.04
8	(a) I. Hardware - LP	387/01	1.00	0.28
	II. Hardware - CP	387/02	10.00	1.06
	(b) I. Software - LP	388/01	1.00	0.02
	II. Software - CP	388/02	15.00	2.24
	(c) Maintenance	389/01	2.50	1.38
	(d) Computer Sty & Cons	390/01	3.00	1.67
	(e) IT Training	391/01	1.00	0.32
	Info. Technology Sub-head 109 H	387-391	30.58	6.97
9	Training of Civilians Sub head 109 - I	392/00	1.00	1.07
	Non Salaries		530.50	226
	Total Revenue		1378.00	961.56
10	(-) Receipts	420/30	100.00	11.03
	Total Net		1278.00	950.53
11	Capital Works	931/31	20.00	4.68
	Total Rev & Capital		1298.00	955.21

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PART- II
TECHNICAL

1. DGQA ACTIVITIES AT A GLANCE.
2. TECHNICAL EVALUATIONS.
3. PRE-DISPATCH INSPECTIONS & JOINT RECEIPT INSPECTIONS.
4. EMERGENCY/FAST TRACK PROCUREMENT CASES.
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6. TECHNICAL ACTIVITIES.
7. QUALITY RELATED ACTIVITIES.
8. DEFECT INVESTIGATIONS.
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10. USER INTERACTION MEETS.
11. PROOF TESTING AND FIRING.
12. DIGITAL DGQA.
13. IDEX CASES.
14. MAKE-I & MAKE-II CASES.
15. FORMULATION OF JSS/JSGs.
16. TESTS.
17. COLLEGIATE MEETINGS, QRM_s/QCM_s, SEMINARS.
18. TECHNICAL ACHIEVEMENT/ASSISTANCE TO INDUSTRIES.
19. CERTIFICATION & ACCREDITATION.
20. VISITS.
21. STATUS OF MoD SCHEMES.

DGQA ACTIVITIES AT A GLANCE

35. DGQA ACTIVITIES.

Dtes	DQA(A)	DQA(M&E)	DQA(E)	DQA(V)	DQA(CV)	DQA(L)	DQA(R&S)	DQA(S)	DQA(N)	DQA(WP)
No of Controllerates	4	2	3	4	4	2	2	4	0	0
No of Estts	18	04	4	4	0	6	4	6	10	17
No of Proof Estts	2	0	0	0	0	0	0	0	0	0
Value of stores inspected (Rs in Crore)	6147.0248	334.979	664.25	3328.21	1389.52	1220.71	2137.652	957.4034	8465.5894	1560.7
Value of stores accepted (Rs in Crore)	5732.1213	347.328	571.32	1783.57	922.9698	1240.015	2185.294	867.70370	8462.8289	1700.5
Value of indigenous stores accepted (Rs in Cr)	4853.0578	0	571.32	1767.67	1555.462	1240.15	1703.566	867.9869	8313.5135	1426.3
Value of Imported Stores Accepted (Rs in Crore)	736.8833	0	0	15.9	0	0	32.700	84.4057	149.3154	274.2
No. of Drawing / Specification Sealed	910	0	20	103	6393	100	108	64	0	0
No. of Drawing / Specification Digitized	468	0	20	16889	18563	0	87	10	0	0
No. of DGQA approvals issued	02	0	04	1	0	05	0	0	0	0
No of indents and extract vetted	2520	26	0	2069	3993	3234	960	441	0	0
No. of FDL / Items vetted	06	0	0	0	0	40	49	0	0	0
No. of Technical publication processed	252	0	0	119	453	36	0	93	0	0
No of items codified	7134	18	503	2979	2730	21	2259	91	0	0
No of samples tested	602	14	0	40	0	831	0	529	3361	0
Revenue collected from samples tested in Rs	860000	86065	0	371593	0	9617252	0	17039	10300000	0
No. of Gun proved (Shot Gun)	8496	0	0	0	0	0	0	0	0	0
Revenue collected for proving of guns including GST in Rs	12404000	0	0	0	0	0	0	0	0	0
Revenue towards sale of gauges in Rs	21791000	17230370	0	0	0	0	0	0	0	0
Revenue collected from sale of metal in Rs	111760000	0	0	0	0	0	0	227250	0	0
Revenue collected CA/CV In Rs	670000	0	0	1658701	0	40000	0	3057200	7500	260000
Revenue towards sale of tech publication in Rs	0	0	0	0	0	0	0	8337	0	0
Value of Contract assessment in Rs	0	0	0	0	0	0	0	0	0	0
Revenue collected from GCC /Export Promotion scheme Rs	0	0	0	0	0	0	0	0	200000	0

TECHNICAL EVALUATIONS36. **DQA (A).**

Sr No.	Main Equipment/Main Unit Assy	Type of Trial Conducted (DGQA /User / Confirmatory Trial)	Trial Location	Vendor Details	Starting date/Completion date
(a)	<u>CQA (A) Khadkee.</u>				
(i)	Pinaka ADM (Type-I) DPICM	DGQA evaluation trial	ARDE	M/s MIL & M/s EEL	06 – 23 Jun 23.
(ii)	Grenade 40 mm HEAP, HEDP, RP and VOG-25 variants	DGQA evaluation trial	PTL, CQA(A) and LPR Khamaria	M/s BEL & M/s ASL	10 Feb 23 to 19 Jun 23.
(iii)	Cartg 20 mm SAPHEI Amn	DGQA evaluation trial	LPR Khamaria	M/s MIL	03-25 Apr 23.
(iv)	Pinaka Guided Extended Range Rocket	DGQA evaluation trial	ARDE	M/s MIL & M/s EEL	20-28 Jul 23.
(v)	Pinaka ADM (Type-I) DPICM	DGQA /User evaluation	PFFR	M/s MIL & M/s EEL	16-24 Aug 23.
(vi)	Pinaka ADM (Type-I) DPICM	DGQA /User evaluation	MTFFR, Leh	M/s MIL & M/s EEL	23-29 Sep 23.
(vii)	214 mm PINAKA GER (75 km) IDDM	User evaluation	ITR Balasore	M/s MIL & M/s EEL	30 Jan 24 to 05 Feb 24
(viii)	APFSDS 530 mm DoP	User trial	PFFR PXE Balasore.	M/s MIL	11-22 Apr 24. 01-07 Aug 23.
(ix)	Cartg SA 5.56 mm	Proof Firing	AFK	Ex M/s CBC Brazil	10-20 Nov 23.
(b)	<u>SQAE (A) Khadki.</u>				
(i)	Round 40 mm HEAP, HEDP and RP	DGQA Evaluation Trial	LPR Khamriya	M/s BEL & M/s ASL	06-23July 23.

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(ii)	Cartg SA 7.62 mm Ball Amn (Rifle AK-47)	DGQA Technical Evaluation	PTL, Vendor premises	M/s MIL	07 Dec 2023
(iii)	Cartg SA 0.338 Lapua	DGQA Technical Evaluation	PTL, Vendor premises-3 MTR Goa	M/S Huges Precision manufacturing Pvt Ltd, Goa	08 April 24 to 16 May 24
(c)	<u>SQAE (A) Badmal.</u>				
(i)	Shell 155mm ERFB BB, BT M107 & Illg.	DGQA Evaluation Trial	PXE , Balasore	M/s MIL, M/s Adani & MPP	In Oct 24
(d)	<u>SQAE (A) Varangaon.</u>				
(i)	Cartg SA 7.62mm A-7 Amn	DGQA Evaluation Trial	PTL CQA (A) Kirkee & SQAE (A)	M/S Huges Precision manufacturing Pvt Ltd, Goa	08 Dec 23 & 05-09 Feb 24.
(ii)	Cartg SA 12.7mm API	DGQA Evaluation Trial	PTL, CQA (A) Pune and SQAE(A) VRN	M/s MIL	04 – 12 Mar 24 and 14-21 Mar 24.
(e)	<u>SQAE (A) Chandrapur.</u>				
(i)	Shell 155mm HE ERFB (BB/BT)	Product Improvement Trials	SQAE (A) Chanda, Ord Fy Chanda & Ord Fy Bhusawal	M/s MIL	18-26 Sep 23.
(f)	<u>CQASA, Ichapur.</u>				
(i)	Muzzle Velocity Test of 20mm AMR	DGQA Evaluation Trial	LPR Khamriya	Ex-OFT	09 May 23.
(g)	<u>CQA (I) Dehradun.</u>				

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(i)	Telescopic Sight for 14.5mm AMR	DGQA evaluation trial	CQA(I) Dehradun	Ex-OFD	15 Jun 23 to 08 Dec 23
(ii)	GCDU for MBT Arjun	DGQA evaluation trial	CQA(I) Dehradun	Ex BEL Chennai	11 Aug 23 to 04 Jan 24
(iii)	CCS for MBT Arjun	DGQA evaluation trial	CQA(I) Dehradun	Ex BEL Chennai	11 Aug 23 to 04 Jan 24
(iv)	Telescope Sight for 20 mm AMR	DGQA evaluation trial	CQA(I) Dehradun	Ex- OFD	15 Jun 23 to 08 Dec 23
(v)	ICPS for MBT Arjun	DGQA evaluation trial	CQA(I) Dehradun	Ex-BEL	07 Nov 23 to 09 Nov 23
(vi)	ILROS	DGQA evaluation trial	CQA(I) Dehradun	Ex: ICOMM	23-29 Sep 23.
(vii)	Indigenized EBU of PNK 4S for Tank T-90	DGQA evaluation trial	CQA(I) Dehradun	Ex: OLF	07 Nov 23 to 19 Jan 2024
(viii)	Night Sight (TI) for ATGM Lr	DGQA evaluation trial	CQA(I) Dehradun	Ex: Tonbo	22 Jan 23 to 01 Dec 23
(ix)	Night Sight (TI) for sniper rifle	DGQA evaluation trial	CQA(I) Dehradun	Ex: Tonbo, TASL and BEL	09 Jan 24 to 11 Jan 24

37. **DQA (VEH &EE).**

Sr No.	Main Equipment/Main Unit Assy	Type of Trial conducted (DGQA/User/Confirmatory Trial)	Trial Location	Vendor Details	Starting date/Completion date
(a)	<u>CQA (V), Ahmednagar.</u>				
(i)	Light Veh (GS) 4x4 800 Kg	User Confirmatory Trial	MAG-18	M/S TASL, M/s M&M, M/s FML	08 Jan 24 & 28 Mar 2024.

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(ii)	Light Veh (GS) 4x4 800 Kg	Re-confirmatory trials (by user team)	MAG-18	M/S TASL, M/s M&M, M/s FML, M/s ISUZU	08 Jan 24
(b)	<u>CQA (SV) Dehu Road.</u>				
(i)	Grad BM-21 MBRL	LVT of Veh Platform	Ambala cantt	M/S L&T	28-30 Sept 23
(ii)	AATV	NCNC Summer & Winter Trial	Hahura (GJ) Rann of Kutch	M/S L&T, M/S BEML	24 Jan 24 25 June 24
(iii)	Kit of K9 Vajra.	LVT of Winterization	HAA	M/S L&T	12-15 Oct 23 09-10 Mar 24
(iv)	Over Flow Return Pipe of Schilka eqpt. FOPM Trial Modular Bridge.	Fitment & Performance Trial	CEME (Pune), VRDE (A' nagar), L&T (Talegaon)	M/S L&T	10 Dec 23

38.

DQA (CV).

Sr No.	Main Equipment/Main Unit Assy	Type of Trial conducted (DGQA/User/ Confirmatory Trial)	Trial Location	Vendor Details	Starting date/Completion date
(a)	<u>CQA (HV), Avadi.</u>				
(i)	POH T-90	Overhaul of Tank T-90	HVF, Avadi and ACC&S, Ahmednagar.	HVF	22 Aug 22 & completed Dec 22.
(ii)	V92-S2 (OE) Engine	User Confirmatory trial	EFA Avadi	EFA	Test is under progress
(iii)	V46-6 (OE) Engine	User Confirmatory trial	EFA Avadi	HVF	15 Mar 2024. Test stopped due to

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					exhaust gas back throw
(iv)	ARV VT-72B Utility Portion	Winter Trial User along with DGQA	Amritsar	M/s Mahindra M/s Sun Beam M/s Gaiwell M/s Reliance Industries	26 Jan 2024
(b)	<u>CQA (AVL).</u>				
(i)	Indigenized Rate Gyro, Amplidyne and Solid State Converter fitted on Tank T-90	Fitment and Function Trial	KK Ranges, Ahmednagar	M/s BEL Chennai	18 October 2023
(c)	<u>CQA (AVA).</u>				
(i)	Commander's Panoramic Sight of MBT Arjun MK-1A	Winter Trial (User)	PFFR, Pokhran	ICV Medak	27 Jan- 02 Feb 24

39.

DQA (L).

Sr No.	Main Equipment/Main Unit Assy	Type of Trial conducted (DGQA/User/Confirmatory Trial)	Trial Location	Vendor Details	Starting date/Completion date
(i)	Tactical Access Switch (TAS)	DGQA NC-NC Evaluation Limited Validation trials	Firm's premises	M/s TATA Adv Systems Ltd	Trial is in progress.
(ii)	SDR (D&D)	13 Accessories of V/UHF Manpack SDR to Mould growth	CQA (L) Bengaluru	M/s BE Panchakula	Start 01 Apr 24.
(iii)	ADC & RS (Akash Teer) MIL Grade NAS & MIL Grade Line Modem	Line Modem	M/s BEL Ghaziabad	M/s BEL	Trial is in progress.

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(iv)	Pure Lead Tin (PLT) battery 12V, 100Ah@C20 VRLA battery	User Confirmatory Trial	Ordinance Factory, Medak	M/s HBL, Hyderabad	07 Jun 23 to 08 Jun 23
(v)	K-9 Vajra- GNSS Receiver	DGQA -NC NC	CQA(L), Bengaluru	M/s L&T	13 Oct 2023.
(vi)	Cable 237& P1/155SW/L/Y3 1157847	Class 'C'	CQA(L), Bengaluru	M/s BEL, Chennai	July-23
(vii)	Cable Telephone 2 Conductor HDPE insulated JWD-1 Twisted 1600Mtrs Wound on reels Y3/6145 002933	Control Sample	CQA(L), Bengaluru	M/s OIL (Optal India Ltd)	15-10-23
(viii)	Cord Power Electrical ATC 0.5mm ² Elastomer insulated Twin Core Textile braided	Control Sample	CQA(L), Bengaluru	M/s Nangalwala Industries	15-10-23
(ix)	Cord Power Electrical ATC 1.0 sqmm Elastomer insulated Single Core braided with artificial silk	Control Sample	CQA(L), Bengaluru	M/s Nangalwala Industries	15-10-23
(x)	Cord Power Electrical ATC Elastomer insulated braided with artificial silk or cotton. Twisted twin Core 1.5mm ² flexible Y3/6145-0054169	Control Sample	CQA(L), Bengaluru	M/s Nangalwala Industries	15-10-23
(xi)	20 Pair 0.9mm Unarmoured JFC Y3/6145-022848	Advance Sample	CQA(L), Bengaluru	M/s Vindhya Telelinks Ltd	15-03-2024

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(xii)	Cable Telephone 2 Conductor HDPE insulated JWD-1 Twisted 1600Mtrs Wound on Reels Y3/6145 002933	Control Sample	CQA(L), Bengaluru	M/s OCF Chandigarh	Feb-24
(xiii)	Solid Copper Wire	Conductor Resistance Test (Internal)	CQA(L), Bengaluru	M/s Paramount Wires	01-02-24
(xiv)	Qty X 1 Central Unit of Digital Control Harness	DGQA	CQAL NABL Lab	M/s HBL Hyderabad	17 Aug 2023
(xv)	Changed Ruggedized sub system of BSS	DGQA	BEL Ghaziabad + NABL Lab	M/s BEL Ghaziabad	Under progress
(xvi)	V/UHF Manpack SDR (D&D)	DGQA	CQAL NABL Lab	M/s BEL Panchkula	Under progress
(xvii)	Project Akash Teer: Mil Grade Line Modem	DGQA	BEL Ghaziabad	M/s BEL Ghaziabad	10 May 2024
(xviii)	Project Akash Teer MIL Grade NAS	DGQA	BEL Ghaziabad & Sonipath	M/s BEL Ghaziabad	25 May 2024
(xix)	(Augmented Reality Head Mounted Display) ARHMD System	NC-NC evaluation	Jodhpur	Dimension NXG Thane	Under progress
(xx)	Tactical Access Switch (TAS)	FoPM Limited Validation trials	Noida	M/s Tata Advanced Systems Ltd, Noida	28 May 2024

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PRE-DISPATCH INSPECTIONS & JOINT RECEIPT INSPECTIONS40. **DQA (A)**

Sr No.	Main Equipment/Main Unit Assy	No of items	Venue	Date of JRI/PDI completion
(a)	<u>CQA (A) Kirkee.</u> (JRI)			
(i)	Cartg SA 5.56 mm Amn for 5.56 mm Tavor Rifles (PDI)	43, 42,000 nos	Ex-CBC, Brazil.	26 to 30 Jun 23.
(ii)	Cartg SA 5.56 mm ammunition for TAVOR Assault Rifle.	70,30,000 Nos	CAD Pulgaon.	25 -30 Oct 23.
(iii)	SMERCH 300 mm 9M55S RP (Check Proof)	92 Nos.	ITR Balasore	22-26 May 23.
(iv)	Cartg SA 5.56mm for Tavor Aslt Rif (re-check Proof) & Cartg SA 9mm subsonic amn	10L & 2.80L	AFK proof range.	13 – 20 Jun 23
(v)	Cartg with B-32 API bullet (Check Proof)	24,86,018 Nos. & 14,49,000 Nos.	SQAE(A) Varangaon	26 Jun to 01 Jul 23.
(vi)	Cartg SA 5.56 mm ammunition for TAVOR Assault(Check Proof)	70,30,000 Nos	AFK	10-20 Nov 2023
(b)	<u>CQA (W), Jabalpur.</u> (JRI)			
(i)	155mm/39 Cal M777 A2 ULH	07 x JRI for 299 Items	COD Jabalpur	2023-24
(ii)	155mm/ 52 Cal TR SP K-9 Vajra (ESP, Conveyor Gear Box Assy)	01 x JRI for 01 item	COD Jabalpur	11 Sep 2023.

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(iii)	60mm Mortar (PDI)	106 Nos	COD Jabalpur	2023-24
(c)	<u>CQA (I) Dehradun.</u> (PDI)			
(i)	TI sights for Assault Rif & Carbine	900 Nos.	M/s Tonbo Imaging Mysore	22 Mar 23 to 01 Apr 23.
(ii)	HHTI (UC)	346 Nos.	M/s Tonbo Imaging Mysore	07 Jun 23 to 13 Jun 23
(iii)	Ariel Targeting System	05 Sets	M/s Alpha Elsec Defence & Aerospace System Pvt Ltd, B'lore	13 Mar 23 to 18 Mar 23
(iv)	Logistic Drone Medium Altitude	48 Nos.	M/s Raphe m Phibr Pvt Ltd, Noida	12 Sep 23 to 19 Sep 23
(v)	Mini Unmanned Arial Vehicle	100 Nos	Ms/ Idea Forge Navi Mumbai	30 Oct 23 to 08 Nov 23
(vi)	SVL Quad Copter M/s Parity Infotech Solution Pvt Ltd, Delhi	200 Nos.	M/s Idea Forge Pvt Ltd, Navi Mumbai	13 Dec 23 to 20 Dec 23
(vii)	Remotely Piloted Arial Vehicle	250 Nos.	M/s Aero ARC Pvt Ltd, Coimbatore	15 Dec 2023 to 21 Dec 23
(viii)	SVL Quad Copter M/s Strategic Marketing Pvt Ltd, Dehradun	200 Nos.	M/s Idea Forge Pvt Ltd, Navi Mumbai	29 Jan 24 to 03 Feb 2024
(ix)	Multipurpose Thermal Monocular Sight with LRF (MTMSL)	500 Nos.	M/s TATA Advance system Ltd Bengaluru	15 Feb 24 to 23 Feb 24
(x)	Body Worn Camera	7000 Nos	M/s Sanchar Communication System, New Delhi	27 Feb 24 to 29 Feb24
(xi)	Reflex Sight (Holographic)	3000 Nos	M/s BEL, MTM	10-16 Mar 24
(xii)	IDDIS	07 Nos.	M/s BEL MTM	03 Jan 24 to 13 Jan 24
(xiii)	Remotely Piloted Arial Vehicle	500 Nos.	M/s Aero ARC Pvt Ltd, Coimbatore.	07 Mar 24 to 14 Mar 24
<u>CQA (I) Dehradun.</u> (JRI)				

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(i)	Loiter Munition	116 Nos	CAD, Pulgaon	20 Mar 23 to 25 Mar 23
(ii)	TI sights for Assault Rif & Carbine	300 Nos.	COD, Agra	09 May 2023
(iii)	HHTI (UC)	346 Nos.	COD, Agra	14 Jun 2023
(iv)	Spares of 155mm/39 Cal M777A2 ULH Gun	145 Nos.	COD, Jabalpur	01 Apr 23 to 01 Apr 23
(v)	TI-IOE Indigenous TI Modules	319 Nos.	COD, Agra	26 Apr 2023
(vi)	Loiter Munition	116 Nos	CAD, Pulgaon	20 Mar 23 to 25 Mar 23
(vii)	TI sights for Assault Rif & Carbine	300 Nos.	COD, Agra	09 May 2023
(viii)	HHTI (UC)	200 Nos.	COD, Agra	14 Jun 23 & 22 July 23
(ix)	TI-IOE Indigenous TI Module	319 Nos	COD, Agra	26 Apr 23 & 12 Aug 23
(x)	Director Fire Control No7 Case MK-5	38 Nos	COD, Agra	26 July 23
(xi)	MRLS and Technical requirement for TIFCS	22 Nos	COD, Agra	10 sep 22 & 12 July 23
(xii)	ATIM TI Sight for ATGM Launcher	188 Nos	COD Agra	06 Jun 23 & 06-13 July 23
(xiii)	Sensor Harness Assy Absolute position Encoder	10 Nos 20 Nos	COD Agra	10 July 23 to 14 Jul 2023.
(d)	<u>SQAE (A) Jabalpur.</u>			
(i)	RL MK-III	600 Nos	COD Jabalpur	Completed on 08 Aug 2023.
(ii)	60 mm Mortars (Re-JRI)	106 Nos	COD Jabalpur	11 Dec 2023 to 14 Dec 2023.
(e)	<u>SQAE (A) Ambajhari.</u>			
(i)	Warhead of Aerial Targeting system (ATS)	123 Nos	CAD Pulgaon	21 Jul 23.

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(ii)	Inert Warhead of Aerial Targeting System (PDI)	20 Nos	Bangalore	08-09 Jan 24.
(iii)	30mm VOG 17 Amn	457858 (03 Lot)	CAD Pulgaon & LPR Khamaria.	17 Jan – 02 Mar 24.
(f)	<u>SQAE (A) & LPR Khamaria.</u>			
(i)	RD 84MM HEAT 751	5000 Nos	FFV, Sweden	18 Apr 23
(ii)	RD 40MM RLV HEF VOG-25	92495 Nos	M/s Arcus Co., Bulgaria	24- 29 Apr 23
(iii)	20MM AMR (DGQA Evaluation)	892 Nos	OFT	09 May 23
(iv)	7.62MM SIG 716 ASLT FOR BIPOD	13940 Nos	M/s Audo Viso Pvt Ltd	17 – 18 Apr 23
(v)	EQPT 84MM RL MK-III	08 Nos	FFV, Sweden	02 Aug – 04 Aug 23
(vi)	7.62MM SIG 716 ASLT for Rear Iron Sight (1 st & 2 nd Consignment)	NA	M/s Electronica Automatic Pvt Ltd	08-15 Jun 23
(vii)	7.62X51MM NEGEV LMG (4 th Consignment)	3479 Nos	M/s IWI, Israel	29 - 31 Aug 23
(viii)	7.62MM SIG 716 ASLT for Rear Iron Sight (3 rd Consignment)	NA	M/s Electronica Automatic Pvt Ltd	19 Sep – 09 Oct 23
(ix)	7.62MM SIG 716 ASLT for Rear Iron Sight (* 3 Lots) (4 th & 5 th Consignment)	66400 Nos (* 03 lots)	M/s Electronica Automatic Pvt Ltd	05 - 15 Oct 23
(x)	7.62MM SIG 716 ASLT Fore Hand Grip	9979 Nos	M/s Audo Viso Pvt Ltd	10 Oct 23
(xi)	23MM TWIN GUN	02 QC were raised & settled	M/s Rosemons Estonia	28-29 Nov 23.
(xii)	30MM VOG-17 AMN (Quality Claim)	257858 Nos	M/s Arcus Co., Bulgaria	06- 28 Feb 2024.

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(g)	<u>SQAE (A) Trichy.</u>			
(i)	SIG 716 ASLT RIFLE (Rear Iron Sights) JRI/Check Proof.	21,000 Nos	COD, Jabalpur & LPR, Khamaria.	08 May 23 to 17 Jun 23.
(ii)	SIG 716 ASLT RIFLE (Rear Iron Sights) JRI/Check Proof	21,000 Nos	COD, Jabalpur & LPR Khamaria.	08- 23 Sep 23.
(iii)	SIG 716 ASLT RIFLE (For Head Grip) JRI/Check Proof	9,997 Nos	COD, Jabalpur	07-13 Jan 24.

41. **DQA (VEH).**

Sr No.	Main Equipment/Main Unit Assy	No of items	Venue	Date of JRI/PDI completion
(a)	<u>CQA (SV) Dehu Road.</u>			
(i)	Veh Platform of Grad BM-21 MBRL (02 sets of SMTs/STEs and Fixtures).	03 Sets	FOD Bhatinda,COD Dehuroad	Completed on 18 Feb 24.
(b)	<u>SQAE (EE), Mumbai.</u>			
(i)	Mountain Foot Bridge	27 Nos.	WOM	17 Feb -27 Mar 23
(ii)	Mule Accessories	7 Nos.	WOM	18 Mar 24
(iii)	Modular Bridge System	2 Nos.	L&T	30 Mar 24

42. **DQA (CV).**

Sr No.	Main Equipment/Main Unit Assy	No of items	Venue	Date of JRI/PDI completion
(i)	Tank T-72 Spares	19 Nos.	JRI CAFVD Kirkee	12 Apr 2023

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(ii)	ALNS Mk-II (PDI)	165 Nos.	M/s BEL, Chennai	5 th Lot of PDI completed on 25 Mar 2024
(iii)	MES lorry (PDI)	14 Nos.	OREL, Russia	20 Jan 2024
(iv)	Stand used for CLR (PDI)	03 Nos.	Kourov, Russia	22 Mar 2024
(v)	T-90 (JRI)	62 Nos.	505 ABW, Delhi	Quantitative & visual checks completed on 15 Feb 2024

43.

DQA (L).

Sr. No.	Main Eqpt/ Main Unit Assy.	No. of Items	Venue	Date of JRI/PDI Completion
(a) CQA(L) Bangalore				
(i)	ADC & RS (Akash Teer)	25	M/s BEL Ghaziabad	28 Mar 24
(ii)	BSS	81 MPT	M/s BEL Ghaziabad	21 Dec 23
(iii)	URRF (HB)	366	COD Agra	21 Dec 23
(b) CQA(EW), Secunderabad				
(i)	Manportable Counter Drone System	40 Nos	Bangalore & Chitrdurga	26 Apr to 03 May 23
		40 Nos		21 Aug – 02 Sep 23
		24 Nos		19-29 Feb 24
(ii)	IEWs-MT (Himprahar) – 4 th Comn Block	01 No	Vemagal, Bangalore	27 Apr to 14 May 23
	IEWs-MT (Himprahar) – 5 th Comn Block	01 No		23 Aug – 06 Sep 23
	IEWs-MT (Himprahar) – 2nd Non	01 No		24 – 29 Dec 23

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	Comn Block			
	IEWS-MT (Himprahar) 1 st CCC Block	01 No		19 Feb to 02 Mar 24
(iii)	CCIS	05 Nos	Hyderabad	18 Sep – 03 Oct 23
		01 No		25 – 30 Oct 23
(iv)	IDDIS	05 Nos	Machilipatnam	03 – 19 Oct 23
		07 Nos	Machilipatnam	03 – 13 Jan 24
(iv)	36xMonitoring Receivers	36 Nos	New Delhi	11 – 29 Dec 23
(vi)	Automatic Spectrum Monitoring System	03 Nos	Hyderabad	04 – 22 Mar 24
(vii)	Integrated Drone Detection & Interdiction System (IDDIS)	06 Nos	COD, Agra	13 Feb to 16 Feb 24
(viii)	36xMonitoring Receivers	36 Nos	COD, Agra	05 Feb to 02 Mar 24

44.

DQA(R&S).

Sr No.	Main Equipment/Main Unit Assy	No of items	Venue	Date of JRI/PDI completion
(a)	<u>CQA(R) Bengaluru.</u>			
(i)	ADFCR(G) (JRI)	21,000 Nos	COD, Agra	17 -21 Apr 23 & 08 -19 May 23
(ii)	Border Surveillance system (Trial)	21,000 Nos	14 Sikh Leh	15 Jun 23 to 16 Jul 23
(iii)	IDDIS (JRI)	9,997 Nos	BEL, MTM	03 -19 Oct 23 & 04 -13 Jan 24
(c)	<u>CQA(S)Secunderabad.</u> (PDI)			

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(i)	Logistic Drones Medium Altitude (LDMA)- Qty On Order 200 Nos	48 Nos	M/s Raphe m Phibr Pvt Ltd Noida, India	12-18 Sep 23
(ii)	Mini UAV, Qty On Order 600 Nos	100 Nos	M/s Idea Forge Technology Pvt Ltd, Mumbai	13-19 Dec 23
(iii)	Mini UAV, Qty On Order 200 Nos	100 Nos	M/s Idea Forge Technology Pvt Ltd, Mumbai	30 Oct -03 Nov 23
(iv)	Surveillance Copter with Accessories Qty On Order 600 Nos	200 Nos	M/s Parity Info tech Pvt Ltd, Navi Mumbai	13-1 Dec 23
(v)	Remotely Piloted Aerial Vehicle With Complete Accessories Qty On Order 750 Nos	250 Nos	M/s Aero arc Pvt Ltd, New Delhi	15-21 Dec 23
(vi)	Surveillance Copter with Accessories Qty On Order 400 Nos	200 Nos (1 st Lot)	M/s Parity Strategic Marketing	29 Jan -03 Feb 24
(vii)	Remotely Piloted Aerial Vehicle With Complete Accessories Qty On Order 750 Nos	250 Nos	M/s Aero arc Pvt Ltd, New Delhi	05 -14 Mar 24
(d)	<u>CQA(S)Secunderabad.</u> (JRI)			
(i)	Mini UAV	05 Systems	OD Fort Allahabad	31 Jul 23 to 05 Aug 23
(ii)	Logistic Drones Medium Altitude (LDMA)- Qty On Order 48 Nos	48 Nos	CASD, Delhi Cantt	04-12 Oct 23
(iii)	Surveillance Copter with Accessories Qty On Order 400 Nos	200 Nos	CASD, Delhi Cantt	11 Mar 24 and subsequent days
(iv)	Mini UAV, Qty On Order 200 Nos	26 Nos 38 Nos 01 No	224 ABOD, Jodhpur 1 FOD Udampur OD Prayagraj (Allahabad)	01 Jan 24 -29 Jan 24
(v)	Remotely Piloted Aerial Vehicle With Complete Accessories Qty On Order 750 Nos	250 Nos at	CASD, Delhi Cantt	07-20 Mar 2024
(vi)	Surveillance Copter with Accessories Qty On Order 600 Nos	200 Nos	CASD, Delhi Cantt	05 – 17 Feb 24 (1st Lot)
(vii)	Spares for OSA-AK	17 Nos of 2nd lot 16 Nos of 3rd lot	233 ABOD, Jodhpur	26 Jun 23 & 08 Sep 23

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EMERGENCY/FAST TRACK PROCUREMENT CASES

45. **DQA (A).**

Sr No.	Main Equipment/Item	No of items/Remarks
(a)	<u>CQA (A), Khadkee.</u>	
(i)	0.338 (Lapua) Ammunition	4,489 Lakhs.
(ii)	Cartg 5.56 mm	70.3 lakhs
(iii)	125mm FSAPDS 3VBM17 rds with 3BM42 Armour Piercing Projectile Ex- Russia	12,852 Nos.
(iv)	Electronic Fuze	1, 34,831 Nos
(v)	Electronic Fuze for Proximity for 105 mm Artillery	156461 Nos.

46. **DQA (V & EE).**

Sr No.	Main Equipment/Item	No of items/Remarks
(a)	<u>CQA (SV) Dehu Road Pune.</u>	
(i)	01 x IPMV	09 No's
(ii)	01 x HMTV 6x6 GTV	252 No's
(iii)	01 x Winterization Kit	19 Nos.
(b)	<u>CQA (V) Ahmednagar.</u>	
(i)	Quick reaction force Vehicle (heavy)	18 Nos.
(ii)	High Mobility Vehicle (HMRV)	91 Nos.
(iii)	Light Strike Vehicle (LSV)	60 Nos.
(iv)	Quick reaction force Vehicle (Heavy) QRFV	36 Nos.
(v)	Light Bullet Proof Vehicle (LBPV)	375 Nos.
(vi)	Quick reaction Force Vehicle (Medium)	81 Nos.
(vii)	Procurement of specialist Mobility Vehicle (SMV)	96 Nos.
(viii)	Vehicle Mounted infantry Mortar System (VMIMS)	50 Nos
(ix)	Air Conditioned Mobile blood Collector Van ACMBCV)	01 No
(x)	Logistics Rough Terrain Vehicle (LGS RTV)	300 Nos.
(xi)	All Terrain Vehicle (ATV)	250 Nos.
(xii)	Tactical Load Hauler	300 Nos.

47. **DQA (Electronics).**

Sr No.	Main Equipment/Item	No of items/Remarks
(i)	Pure Lead Tin (PLT) battery 12V, 100Ah@C20 VRLA battery with mounting Rack/ Fitment tray and Accessories Kit	1178 Nos.
(ii)	Inertial Navigation System (INS)	106 Nos.
(iii)	High Mobility Reconnaissance Vehicle (HMRV)	91 Nos.
(iv)	LWRR for Mountains	140 Nos.
(v)	SDR AFV Version	400 Nos.
(vi)	Family of Infantry SDR	930 Nos.
(vii)	URRF HB	773 Nos.
(viii)	URRF along with DMEU MK-II	316 Nos.

TECHNICAL DOCUMENTS/ VETTING

48. **DQA (A).**

Sr No.	Documents Vetted	No of items/Remarks
(a)	<u>CQA (A), Khadki.</u> (ATP OFK)	
(i)	Round 30mm BMP-II with APT Shell.	ATP approved
(ii)	Round 30mm BMP-II with HET Shell.	ATP approved
(iii)	Round 30mm BMP-II with HET Shell.	ATP approved
(iv)	Round 30mm BMP-II, with HES.	ATP approved
(ATP OFBL)		
(v)	Round 30mm BMP-II with APT Shell.	ATP approved
(vi)	Round 30mm BMP-II with HEI Shell.	ATP approved
(b)	<u>CQA (W) Jabalpur.</u>	
(i)	EMER	43 Nos.
(ii)	Import Indent	01/06 Items.
(iii)	CES	24 Nos.
(iv)	DRL	39 Nos.
(v)	DGQA-19/DC	20 Nos.
(vi)	AL	16 Nos.
(vii)	Identification of Items	881 items.

49. **DQA (V & EE).**

Sr No.	Documents Vetted	No of items/Remarks
(a)	<u>CQA (SV), Dehu Road.</u>	
(i)	Tech Lit	14 Nos.
(ii)	Trial Dir	02 Nos.
(iii)	ATP	02 Nos.
(iv)	QAI	04 Nos.
(v)	Tech Specification	01No.

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(vi)	CICG inventory (Mismatch items)	23,502 Nos
(vii)	SSG (Schilka and Kvdrat)	01/28 Nos/Items
(b)	<u>CQA (BEML).</u>	
(i)	Drawings	96 Nos.
(ii)	Specifications	05 Nos.
(iii)	ATP	17 Nos.
(iv)	QAPs	278 Nos.
(c)	<u>CQA (OFV), Jabalpur.</u>	
(i)	RFP	10 Nos.
(ii)	ATP	11 Nos.
(iii)	GSQR	02 Nos.
(iv)	Supply Order	11 Nos.
(v)	General registration	03 Nos.
(vi)	Green Channel	01 No.
(vii)	RFI	02 Nos.
(viii)	General registration	410 Nos.
(d)	<u>CQA (EE), Pune.</u>	
(i)	JSS	22 Nos.
(ii)	RFP	77 Nos.
(iii)	DRL	1307 Nos.
(iv)	DFRL	333 Nos.
(v)	Indents	273 Nos.
(vi)	New Specification	03 Nos.
(vii)	GSQR/PSQR/JSQR	24 Nos.
(viii)	PRs	539 Nos.
(ix)	Tech Literature	49 Nos.
(x)	RFI	02 Nos.
(xi)	EMER	30 Nos.
(xii)	QAP/ATP	20 Nos.
(xiii)	Rev of Specification	14 Nos.

50. **DQA (CV).**

Sr No.	Documents Vetted	No of items/Remarks
(a)	<u>CQA (HV), Avadi.</u>	
(i)	No. of drawings/ Specification sealed	5281
(ii)	No. of Indents and extract Vetted (Indents/Items)	1138 / 4897
(iii)	No of FDL/ items vetted	03 Indent / 414 Items
(iv)	No of Publication of Assignment List	554/9658 items
(b)	<u>CQA (ICV).</u>	

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(i)	No. of Indents and extract Vetted (Indents/Items)	421 / 4912
(ii)	No of Publication of Assignment List	67/514 Items.
(iii)	ATP	17 Nos.
(iv)	QAPs	278 Nos.
(c)	<u>CQA (AVA).</u>	
(i)	Draft RFP	26
(ii)	Draft Contracts	04
(iii)	Trial directives (CBRN (Tr) MK-II	01
(iv)	Draft ATP (Spares of AERV,)	03
(v)	Draft SoC (ALNS Mk-II & BMP-II based FRT)	02
(vi)	No. of drawings/ Specification sealed	27
(vii)	No. of Indents and extract Vetted (Indents/Items)	837/1611
(d)	<u>CQA (AVL).</u>	
(i)	No. of drawings/ Specification sealed	1085
(ii)	No. of Indents and extract Vetted (Indents/Items)	365 /853
(iii)	No of FDL/ DDL items vetted	02/39 items
(iv)	No of Publication of Assignment List	04/1177 items

51. **DQA (L).**

Sr No.	Documents Vetted	No of items/Remarks
(i)	Indents and extract	33 items
(ii)	FDL	10/40 items
(iii)	QAP	07 Nos.
(iv)	QAI	04 Nos.
(v)	ATP	37 Nos.
(vi)	Tech Documents / literature	07 Nos.
(vii)	Trial Directive	13 Nos.
(viii)	MQAP	01
(ix)	UHB & Technical Manual	02
(x)	UHB & Technical Manual	02
(xi)	CES	01
(xii)	Draft Contract	01
(xiii)	FAT documents	01
(xiv)	UHB – 01	03
(xv)	Drawings	161
(xvi)	Draft GSQR	01

52. **DQA (R&S).**

Sr No.	Documents Vetted	No of items
(a)	<u>CQA(S) Secunderabad.</u>	
(i)	CES	02 Nos.
(ii)	Indents	11 Nos.
(iii)	User Hand Books	02 Nos.
(iv)	QAP	01 No.
(b)	<u>CQA(R) Bengaluru.</u>	
(i)	PSQR	05 Nos.
(ii)	RFP	17 Nos.
(iii)	GSQR	07 Nos.
(iv)	ATP	51 Nos.
(v)	QTP	04 Nos.
(vi)	QAP	01 No.
(vii)	MQAP	02 Nos.
(viii)	CES	06 (66 Items)
(ix)	Draft Contract	04 Nos.

53. **DQA (S).**

Sr No.	Documents Vetted	No of items/Remarks
(a)	<u>CQA (M), Kanpur.</u>	
(i)	Technical documentation	1/11 Nos.
(ii)	RFP	34 Nos.
(iii)	AT/SO	32 Nos.
(b)	<u>CQA (T&C), Kanpur.</u>	
(i)	Technical documentation	91 Nos.
(ii)	RFP	51 Nos.
(iii)	RFI	04 Nos.
(c)	<u>CQA (GS), Kanpur.</u>	
(i)	RFP	22 Nos.
(ii)	AT/SO	106 Nos.
(d)	<u>CQA (PP), Kanpur.</u>	
(i)	RFP	46 Nos.

TECHNICAL ACTIVITIES

54. **DQA (A).**

(a) **CQA (W) Jabalpur.**

(i) **Preparation/ Revision Of ATPs & QAIs For FAI.** ATPs & QAIs (In-house Mfg & BOI) of Eqpts/Stores/Components being offered to this Estt for FAI during the period 01 Apr 2023 to 31 Mar 2024 have been prepared with mutual consent of GCF & SQAE (A). Summary of the same is as under:-

<u>ATPs</u>		
(aa)	ATPs required	52 Nos.
(ab)	Approved & Issued	23 Nos.
(ac)	Under various stages of approval	25 Nos.
(ad)	Draft ATPs awaited from GCF	04 Nos.
<u>QAIs</u>		
(aa)	Required	1051 Nos.
(ab)	Approved	808 Nos.
(ac)	Under preparation	243 Nos.

(ii) **155/ 45 CAL EU GUN System 'DHANUSH'.** 155/ 45 Cal EU Gun System is categorised as Category F, post corporatisation of OFB. SQAE (A) is mandated for Product establishment support and FAI of end product. During FY 2023-24, DGQA I-Notes of 05 x Guns have been issued after successful completion of Pre-Proof Inspection, Proof Firing & Post Proof Inspection.

(iii) **155/45 CAL UP-GUNNED Weapon System 'SHARANG'.** Up gunning project is being undertaken at GIF and VFJ locations. FAI is undertaken as per ATP attached to the Contract. During the PY 2023-24, DGQA I –Note of 26 x Guns have been issued after successful completion of Pre-Proof Inspection, Proof Firing & Post Proof Inspection. This Estt also associate in output JRI of Sharang Gun at COD, Jabalpur, before issue to the user. During the FY 2023-24, 26 Nos Guns were cleared in output JRI.

(b) **SQAE (A) Ambajhari.**

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S. No.	Store	Lot No	Qty	I-Note issued on
(i)	Slug rep Shell 155mm ERFB (BT) (FAIs Carried Out)	063E	103 Nos	29 Jun 2023
		064E	103 Nos	31 Aug 2023
		065E	100 Nos	09 Oct 2023
		066E	205 Nos	13 Dec 2023
		067E	303 Nos	09 Feb 2024
		068E	503 Nos	09 Feb 2024
		069E	303 Nos	27 Mar 2024
(ii)	Slug rep Shell 155mm ERFB (BB) (FAIs Carried Out)	070E	203 Nos	27 Mar 2024

55. **DQA (V & EE).**

(a) **CQA (V), Ahmednagar.**

- (i) SoC along-with feasibility report and action plan for establishment of “Electric Vehicle Testing Lab” submitted on 22 Mar 2024.
- (ii) Registration of Vendors Survey board to identify of spares/ items of the Controllerate responsibility.
- (iii) Tyre Test Plant SoC for in principal approval of ADGQA (V & EE) for repair of Tyre Test Plant.
- (iv) **SOMP**. : The details of current SOs pertaining to main eqpt and Spares are being updated on SO monitoring portal. No of supply orders (SOs) updated on SOMP during the year-52 Nos.

(b) **CQA (BEML) Bangalore.**

- (i) By strategically deploying QA personnel at various BEML units, viz; Palakkad, Mysuru & KGF, CQA (BEML) was able to provide QA coverage to any main eqpt/spares offered at any of these locations without any delay. Inspection Notes 52 Nos and QAC 37 Nos issued against various Spares & Equipment.
- (ii) **CICG Portal**: 750 Items (NSN and Supersession) updated in portal.
- (iii) **SO Monitoring Portal**. : 170 SOs uploaded in SO Monitoring Portal.
- (iv) **Codification**. CQA (BEML) is associated with BEML Ltd w.r.t. codification of items of BEML, Tatra 6x6, 8x8 and 12x12 and HRV AV-15.
- (v) **Indigenization**. CQA (BEML) is associate with BEML Ltd on following Indigenization of Spares.
 - (aa) M/s Turbo Tech Precision Engg Pvt Ltd, Bangalore has indigenized Air compressor for HMTV which has been subjected for 400 Hrs Endurance test as per QAP and the same has been successfully completed and forwarded to M/s BEML for FFT.
 - (ab) Co-ordinated during testing (as per IS 11948) of Steering Gear Box, indigenously designed and developed by M/s BEML & M/s Ghatge Patil Industries Ltd, Kolhapur.

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(c) **SQAE (V), Chennai.**

- (i) QA check complete for Qty 100 Nos of HMV 6x6 GTV
- (ii) QA check completed for Qty 12 Nos of Driving Simulator and stage clearance certificate issued.
- (iii) FOPM conducted on Qty 01 No of Veh FAT 4x4.
- (iv) QA check carried out on Qty 185 Nos of Veh FAT 4x4 out of 1126 Nos ordered Qty.
- (v) FTP qty 01 No Tactical Load Hauler completed for procurement of 300 Nos.

(d) **CQA (SV), Dehu Road.**

- (i) Attended Annual Board of officers on 9th & 10th Nov 2023 at COD Kandivali to examine all ex-import inventory of Scania veh spares (Total – 314 items) for source marking.
- (ii) Comments on draft RFP for procurement of Gun Towing Veh HMV 6x6 for Qty 1719 No's prepared.
- (iii) Detailed trial compliance matrix and observation in r/o QR-SAM (TLV- Transport and loading veh and MSL-Missile Launcher veh) forwarded to all stake holders on 19 Oct 2023.
- (iv) ATP & Tech. Spec finalized for HMV 6x6 GTV and accordingly QA Authorization issued on 06 Dec 2023 for Qty, 252 No's Comments on Draft Trial methodology forwarded in r/o HMV 6x6 GTV Veh for 155mm / 52 Cal Towed Gun Systems.
- (v) Comments on RFP forwarded in r/o HMV 6x6 GTV for Qty – 1719 No's.
- (vi) Comments on ESP in r/o Vehicle platform for GRAD BM-21 MBRL forwarded.
- (vii) Comments on Tech. Specification in r/o HMV 6x6 GTV for ATAGS submitted by M/s TASL forwarded for procurement of GTV Qty – 327 No's.
- (viii) ATP & Technical specifications in r/o Vehicle platform for GRAD BM-21 MBRL finalised and forwarded.
- (ix) List of 23,502 items mismatch with CICG inventory received from CAFVD, Kirke, the same are vetted and comments are forwarded to CAFVD, Kirke.
- (x) Fitment and Performance trial of Over Flow Fuel return pipe modification kit on Schilka mount carried out at MFFR, Rajasthan from 02 to 03 Mar 2024.
- (xi) Finalisation of ATP for HAA Winterisation Kit of K9 vajra.
- (xii) ATP for procurement of 155mm / 52 Cal TSPG (Qty 11 guns), 80x Guns with HAA Winterization & 20 x Guns without Winterisation Kit of K9 Vajra.
- (xiii) LVT of Winterisation Kit of K9 Vajra.
- (xiv) No. of Online Indents/Purchase Requisition cleared – 3812 No's.
- (xv) Change Request floated – 324 No's.

56. DQA(CV).

(a) CQA (HV).

(i) Participation in FFT Trial [M/s Bharat Forge Ltd, Pune – Track Assy of Tank T-72.

(aa) FFT Trial on Advanced sample commenced on 19 May 2023.

(ab) After completion of 96 KM, it was observed that Track rubber worn out and 33 Nos of RH Track Pin & 16 Nos LH Track Pin came outside and the Track Pin started rubbing against Hull side plate of the Tank.

(ii) Trial Participation (Indigenization Activities- DOI) - M/s BEML Limited, KGF – Side Gear Box RH & LH of Tank T-72.

(aa) Phase – I Stand Test trial was conducted at 505 ABW and CQA (HV). The trial completed on 26 Feb 2022.

(ab) Phase – II User trial was conducted at ACC&S, A'Nagar for 1500 Kms and completed on 21 Mar 2023.

(ac) Phase – III Stand Test trial was conducted at M/s BEML and SQAE (V), KEF reps on behalf of CQA (HV) Trial completed on 22 May 2023 and the performance of Side Gear Box found satisfactory.

(ad) I/Note issued to M.s BEML, KGF on 19 Jul 2023 by DOI, New Delhi.

57. DQA (N).

(a) QA Checks of Freon Gas R-134A & inspection of Oil MS 20. Relevant photographs are below.



(b) QA Activities on MS coil. QA Checks of Software Defined Radio (SDR) TAC



(c) **WEB BASED INSPECTION AND QUALITY ASSURANCE SOFTWARE.**
The WIQAS is first-of-its-kind fully integrated platform that provides end-to-end



automation of the QA business processes. It is a web-based, scalable and high-performance solution to cater to all inspection units pan India. It has been developed in-house by the Software SBU of M/s BEL Bengaluru in collaboration with DQA (N) with the primary aim of digitising QA records, approvals, enclosures, reports, I-notes and inspection data to facilitate efficient inspection and review process. In the first phase of its implementation, WIQAS has been implemented at four SBUs of M/s BEL at Bengaluru viz. ADSN, NS1, NS2 and MIL COM. The software was formally launched at CQAE (WE), Bengaluru by ADGQA (N) on 12 Jan 24.

58. **DQA (WP).**

(a) **Technical Activities.** Several Critical Engineering Equipment and systems such as Door Hatches, HP Air Compressors, Valves, AC Plants, Pumps, diesel Alternators, Air Filters, Canned Motor Pumps etc. have been inducted in Indian Navy during the Current Year. The Field Units of this Directorate were closely associated with the QA and FATs of these equipment and systems. Special focus

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is given to Inspection activities with Remote Monitoring, to reap the advantages of time and cost savings. The important QA activities undertaken are enumerated.

QAE (WE), Chennai



**FATs on HP Air Compressor (WP 400 & WP 800):
M/s Elgi Sauer Compressors Ltd, Coimbatore**

QAE (WE), Vadodara



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QAE (WE), Pune



FATs of Canned Motor Pump (4st Ship Set) : M/s KBL, Kirloskarwadi

QAE(WE/ WP), Kolkata



IFAT of 10th , 11th & 12th DA of 1 MW for Project P-17A : Diesel Engine Plant-
GRSE, Ranchi

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FATs of Air Filter Unit (AFU):M/s Flakt Group Pvt. Ltd., Kolkata.

QUALITY RELATED ACTIVITIES

59. **DQA (A).**

(a) **CQA(A) Khadki :** Subsequent to Post Corporatisation of OFB, meeting with DQA(A), DGOS, MGS, M/s MIL, M/s YIL and CQA(ME) are being conducted at CQA(A) to address all User and DPSU related Quality / Misc issues, on requirement basis.

(b) **SQAE (A) Ambajhari.**

(i) OFAJ had received Qty 100 Nos of Propulsion Unit for Rocket Pinaka from OF Chanda pertaining to Lot No 064 OC. The lot was inspected by QC/OFAJ and Qty 97Nos was submitted for quality audit after segregation. Reps have carried out inspection of Qty 97 Nos of PU in association with ARDE Rep on 19 May 2023.

(ii) A meeting was held on 26 May 2023 at OFAJ along with reps of CQA (A), SQAE (A) Khamaria, SQAE (A) Ambajhari to discuss various issues related to hard extraction of 84 mm Cartg Case.

(iii) A Video Conference was held with OFAJ reps, OFAJ Reps, CQA(A) Pune and ARDE Reps on 28 Jun 2023 regarding salvaging of Pinaka Rockets pertaining to PF Rocket Lot Nos 14, 50, 55 & 57 and 63 to 68.

(iv) OFAJ had received Qty 91 Nos of Propulsion Unit for Rocket Pinaka submitted to this Estt for quality audit after segregation. Reps of this Estt have carried out inspection of these PU components in association with ARDE Rep during 26-28 Jul 2023.

(v) Assembly and inspection of 91 Nos. of Propulsion Unit (Empty) of Lot No 67 OC was carried out by OFAJ (As per QAP). ARDE, SQAE (A), FCH, OFI and OFAJ rep have jointly drawn 11 samples on 26 Aug 2023.

(vi) Lot No 014R) of Propulsion Unit (Empty) was carried out by OFAJ (As per QAP). SQAE (A), OFCH, OFI and OFAJ rep have jointly drawn 11 Nos samples of Lot No 068R & 08 Nos of Lot No 014R on 13 Oct 2023 for Quality Audit and found satisfactory. 102 sets (PF Lot No. 068R) & RHE 72 Nos (Lot No 14R) of Propulsion Unit (Empty) are cleared for further processing.

(vii) Assembly and inspection of 104 sets (PF Lot No. 065R) of Propulsion Units were carried out by OFAJ (As per QAP). SQAE (A), OFCH, OFI and OFAJ rep have jointly drawn 11 Nos samples of of subject lot on 22 Feb 2024 (10% of samples including 01 No for burst test) for Quality Audit and found satisfactory. 103 sets of Propulsion Unit are cleared for further processing.

60. **CQA (W) Jabalpur.** No of advisory memo issued during QA &S of 155mm 45 cal EU Gun System 'Dhanush'

- | | | |
|-----|----------------------|----|
| (a) | By reps of CQA (SV): | 23 |
| (b) | By reps of CQA (I): | 12 |

61. **DQA (V & EE).**

(a) **CQA (V) Ahmednagar.** Template ATP formulated to facilitate OPA and manufacturers to prepare thorough draft ATPs thereby minimizing delay in finalization of RFP 7 contracts.

(b) **CQA (BEML) Bangalore.**

(i) By strategically deploying QA personnel at various BEML units, viz; Palakkad, Mysuru & KGF, CQA (BEML) was able to provide QA coverage to any main eqpt/spares offered at any of these locations without any delay. Inspection Notes 52 Nos and QAC 37 Nos issued against various Spares & Equipment.

(ii) **Indigenization.** Associated with BEML Ltd on following Indigenization of Spares.

(aa) M/s Turbo Tech Precision Engg Pvt Ltd, Bangalore has indigenized Air compressor for HMV has been subjected for 400 Hrs Endurance test as per QAP and the same has been successfully completed and forwarded to M/s BEML for FFT.

(ab) Co-ordinated during testing (as per IS 11948) of Steering Gear Box, indigenously designed and developed by M/s BEML & M/s Ghatge Patil Industries Ltd, Kolhapur.

(c) **CQA (EE) Pune.** Vendor meet is being organized every Wednesday at 1200 hrs

62. **DQA (L).** Regular Interaction Meeting with Line Dte, OPA, COD, DPSU, New DPSU and Vendors also as and when required.

63. **DQA (R&S)**

(a) **CQA(R) B'luru**

(i) 8 supply orders spares of Bofors Gun System has been accorded BPC and Production/Inspection is under progress at M/s BE, Chennai.

(ii) 85 Nos of drawings issued.

DEFECT INVESTIGATIONS

64. **April 2023 to Mar 2024**

Directorate	No of Defect Report received during the period April 2023 to 2024	No of Defect Reports Pending as on 01 Apr 23 B/F	Total (1+2)	Defect Report Closed during the period Apr 23 to Mar 24	Pending as on 01 Apr 24		Total
					Within Stipulated time	Beyond Stipulated time	
DQA (A)	89	85	174	146	18	10	28
DQA (V&EE)	428	83	511	455	51	5	56
DQA (CV)	231	78	309	272	34	3	37
DQA (R&S)	35	9	44	36	8	0	8
DQA (S)	1	0	1	1	0	0	0
DQA (L)	23	8	31	25	3	3	6

PROCESS AUDIT, CAPACITY ASSESSMENT/CAPACITY VERIFICATION65. **DQA (A).**

(a) **CQA (A), Khadki.** Issued 03 General/Renewal registration certificate.

(b) **SQAE (A) Ambajhari.** Process audit of Zinc Plating process for Motor Tube of Pinaka MK-I has been carried out from 07-10 Aug 2023 jointly by SQAE(A) Ambajhari, OFAJ Rep & ARDE Rep. The following suggestions were made by the team:

(i) Clean gloves to be used for handling of the Motor Tube. Moreover, handling of Motor Tube to be minimized.

(ii) 1 sq. feet gap should be maintained among Motor Tubes and from the walls of the oven during Stress relieving, Hydrogen de-embrittlement & Baking process.

(c) **CQA (SA), Ichapur.**

(i) 08 Nos CA/CV carried out during the period.

(ii) **Process Audit.** SQAE (SA) Kanpur has conducted a process Audit of Receiver Guide Front (Right) of Gun M/C 7.62 mm (MAG) 2A1.

(iii) **SQAE (SA) Ichapur** have conducted 03 Nos process Audits.

(d) **SQAE (A), Jabalpur.** : During the period 01 Apr 2023 to 31 Mar 2024, 01 x Process Audits has been carried out. Defect of Barrel Bulge reported in 09 Nos barrels (06 Ex-FGK, 03 Ex-OFC) of 81 mm Mortar E-1. Process Audit on Weapon Aspect as per approved Process Schedule at OFC, FGK & GSF carried out at GSF, Cossipore

66. **DQA (M&E).** No. of Process Audit carried out-05 Nos.

67. **DQA (V&EE).**

Sr No	Main Eqpt	No of Items	Registration (Gen/Renewal/ RFP/TE)	Date of start /Completion	AHSP
(a)	<u>CQA (SV) Dehu Road.</u>				
(i)	KRAZ	52 Nos	General Registration	03 May 24	CQA (SV)
(ii)	SCANIA	01 No	-do-	12 Oct 22 20 Dec 23	
(iii)	Bofors	02 Nos	-do-	01-27 Dec 23	
(iv)	HMV 6X6	06 Nos	-do-	20 Dec 23-01 May 24	
(b)	<u>CQA (V) Ahmednagar.</u>				
(i)	Different Type Vehicle	599 Nos	General Registration	12 Apr 23-09 Oct 23	CQA(V)

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(ii)	Different Type Vehicle	45 Nos	RFP/TE	30 Jun 23-24 May 24	CQA (BEML)
(c)	<u>SQAE (V) Hastings Kolkata.</u>				
(i)	BD80 (Dozer)	02 Nos	Additional items	25 May 23-07 July 23	CQA(BEML)
(ii)	BD50 (Dozer)	112 Nos	Additional items	11 Dec 23-05 Feb 24	
(iii)	T-72	01 No	RFP/TE	25 May 23-05 July 23	CQA (V) CQA (EE)
(iv)	BMP-2	02 Nos	RFP/TE	18 May 23-13 Oct 23	CQA (V) CQA (ICV)
(d)	<u>SQAE (EE) Mumbai.</u>				
(i)	Boat Assult Pneumatic Light Wt (BAPLW)	NA	Capacity Assessment	05 Jun 23	CQA (EE)
(ii)	Manual Fire Extinguisher	NA	Capacity Assessment	21 July 23	
(iii)	Various item of FF	NA	Capacity Assessment	08 Aug 23	

68. **DQA (V & EE).**

- (a) **SQAE (V), Mumbai.** 01 X process audit at M/s BEL, Taloja carried out.
- (b) **CQA (BEML) Bengaluru.**
- (i) **Process Audit.**
- (aa) Process Audit of "Cabin Stamped" Parts manufactured by M/s Prabha Industries Kanchipuram, Tamilnadu.
- (ab) Process Audit of Platform of PINAKA LCR & RV vehicle.
- (ac) Process Audit of 50T Trailer aggregates during manufacturing stage at M/s. JCBL, Chennai.
- (ad) Process Audit of Platform of BCP- Pinaka 5th – 10th Regt was carried out M/s. Prabha Automotive Industries, Hosur.
- (ii) **SQAE(V) Hastings Kolkata.** Process audit carried out for 02 firms:
- (aa) M/s Traco Enterprises, Kolkata.
- (ab) M/s Eastern Enterprises, Kolkata.
- (d) **SQAE (V), Chennai.**
- (i) **Process' Audit:** Process Audit for 'Painting Process' on Crew Cabin of HMV 6x6 GTV has been carried out by VQAW, Bengaluru Reps.
- (ii) **Capacity Assessment.**

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(aa) CA carried out on 12 & 13 Feb 2024 for Renewal of General Registration of M/s Ashok Leyland Defence System Ltd, Chennai & Certificate issued.

(ab) CA carried out on 05-07 Mar 2024 for General Registration of M/s DR Millipore Tech Pvt Ltd, Hyderabad and Certificate issued.

(ac) CA carried out on 05-07 Mar 2024 for General Registration of M/s DR Millipore Tech Pvt Ltd, Hyderabad and Certificate issued.

(e) **SQAE (V), Mumbai.**

Sr No	CA Cases		No of Cases
(i)	B/F from last year		06
(ii)	New Cases Received		09
(iii)	Total Cases		15
(iv)	Approval by AHSP		
	(aa)	Approved for Registration (Including previous year cases)	07
	(ab)	Not Approved for Registration (Including previous year cases)	Nil
(v)	Closed		02
(vi)	Under Progress		06

69. **DQA (CV).**

(a) **Process Audit:**

Sr No.	Main Eqpt/Item	Process Type	Date of Completion
(i)	V92-S2 Engine	Assembly process of V92-S2 Engine	03 Jul 23-30 Sep 23
(ii)	V92-S2, V46-6 Engine	Manufacturing process of brg Aux drive gear	31 Jul 23-18 Oct 23
(iii)	V92-S2V46-6 Engine	Manufacturing process of End cap	29 Jun 23-21 Aug 23
(iv)	UTD-20 Eng	Assy process of installation Cylinder liners CBCC of UTD-20	17 Oct 23-28 Oct 23
(v)	UTD-20 Engine /CBCC	Assy process of installation Cylinder liners CBCC of UTD-20 eng	21 Mar 24 -30 Mar24
(vi)	Crank Shaft(2A46M-02-96) for T-90 Tk Gun	PA of Input Material	26 May –31 July 23
(vii)	Rubberized Road Wheel	Joint Process Audit at M/s Sundaram Industries (P) Ltd Madurai	21-24 Jun 23

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(viii)	Air Compressor	Re-Process Audit (Jointly) at M/s GEM Precision Tools Coimbatore	29-31 Aug 23
(ix)	Mud Guard Front LH, Mud Guard Front RH, Mud Guard Rear LH, Mud Guard Rear RH ,Track Guard Middle	Joint Process Audit carried out at OFMK Premises	06-10 Nov 23
(x)	Final Drive / Final Reduction Gear to	Joint Process Audit carried out at MTPF Ambarnath	04-09 Dec 23

(b) **CA/CV**. (Against General/Renewal/RFP/TE)

Sr No	Main Equipment	No of Items	Date of start/Completion
(i)	<u>CQA (AVL)</u>		
(aa)	T-72 (Against RFP)	01	13-Dec-23-19-Jan-24
(ab)	T-72 (Against GeM Bid)	06 Nos	07 Sep 23-12 Sep 23 25 Apr 23-08 May 23 14 Jun 23-08 Feb 24 01 Sep 23-08 Feb 24
(ac)	T-72 (Against Additional)	02 Nos	27 Jan 23 – 15 Dec 23
(ad)	T-72 (Renewal Reg)	37 Nos	24 Aug 23-16 Sep 23
(ae)	T-90 (GeM)	05 Nos	19 Jan 24-12 Feb 24 25 May 23-15 Apr 24 01 Jun 23-05 July 23
(af)	T-72 & T-90	19 Nos	26 Jul 23-17 Aug 23 13 Jun 23-15 Apr 24
(ag)	Vijayantha, T-55 (Gen Reg)	01 No	14-Mar-23-26 Mar 23
(ah)	T-72 & T-90, ICV BMP-II,	10	04 Mar 24-29 Apr 24
(aj)	T-72 & ICV BMP-II	10 Nos	12 Mar 24-15 Apr 24
(ak)	T-72 & T-90 (Renewal Reg)	86 Nos	18 Jul 23-10 Aug 23
(al)	ICV BMP-II (GeM)	03 Nos	30 Nov 22-26 Jun 24 06-Jul 23-07 May 24
(am)	ICV BMP-II, II-k, CMT & AAT	01 No	17 May 23-08 Feb 24
(ii)	<u>CQA (ICV)</u>		
(aa)	BMP-II and its variants	186 Nos	02-04 May 23

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	(Gen Reg)		13-15 Jun 23 14-15 Dec 23
(ab)	BMP-II and its variants (RFP/TE)	15 Nos	07-09 Jun 23 04-05 July 23 12-14 July 23 31 Aug 23 -01 Sep 23 10-11 Oct 23 02-04 Nov 23 04-05 Jan 24 01 Feb 24
(iii)	<u>CQA (AVA)</u>		
(aa)	Tank T-72 (ERA MK-I Boxes/ Container Assy) (Gen Reg)	06 Nos	17-20 July 23

70. **DQA (R&S).**

(a) **SQAE (L) Bengaluru.** Details of process audit carried out for the FY2023-24 is as follows:-

- (i) ULSB Mk III.
- (ii) Wiring Harness Branched Cables
- (iii) Drive Controller local Controller (Left).

USER INTERACTION MEETS

71. **DQA (A).**

(a) **CQA (A) Khadki.** User Interaction meeting was held on Smerch.

72. **DQA (V & EE).**

(a) **CQA (OFV), Jabalpur.** User Interaction cum training camp was organized in Eastern Command AOR (33 Corps Zone) from 27 Apr 2023 to 03 May 2023 jointly by CQA (OFV), VFJ, M/s Ashok Leyland Ltd and M/s TASL.



DGQA USER INTERACTION CUM TRAINING AND SERVICE CAMP, WELCOME ADDRESS BY BRIG KULWINDER SINGH SM, BRIG EME AT 7033 EME BN SUKUNA EASTERN COMMAND AOR (33 Corps Zone) From 27 Apr 2023 - 02 May 2023.

(b) **CQA (BEML), Bangalore, User Interaction cum Service Camp.** : CQA (BEML) coordinated with BEML Ltd for conduct of User interaction-cum-service camp of BEML TATRA Vehicles of 9 Corps, duly coordinated by 6003 (I) Armd Wksp and 6002 (I) Armd Wksp. The Team comprising rep from CQA (BEML) and BEML Ltd organized & successfully conducted the Camp at Jammu Cantt and Pathankot Cantt from 31 July - 07 Aug 2023. During the Camp the Team undertook repair of Fifty Eight (58) Tatra Vehs and also provided training / educative classes for the Users. The User Interaction and Service Camp has enhanced the of readiness of the fighting formations by attending / rectifying various critical defects of TATRA Vehs and has also facilitated in providing maintenance training to user. The knowledge so gained by the user would definitely be utilized for further training and ensuring proper maintenance of TATRA Vehs.



(c). **CQA (V), Ahmednagar. Participation in Maharashtra Defence Expo 2024, Pune:** Expo 2024 was organised by Industry Department of Govt of Maharashtra from 24 to 26 Feb 2024 at Moshi Pune. A team of Officers were detailed for the above Def Expo for the purpose of generating awareness on Vendor Registration. Reps from 71 MSMEs had visited the stall for vendor registration with queries regarding the registration process and eligibility conditions. The same was deliberated in detail by the reps of this Controllerate in accordance with JSG 015:2021 and DPM 2009.

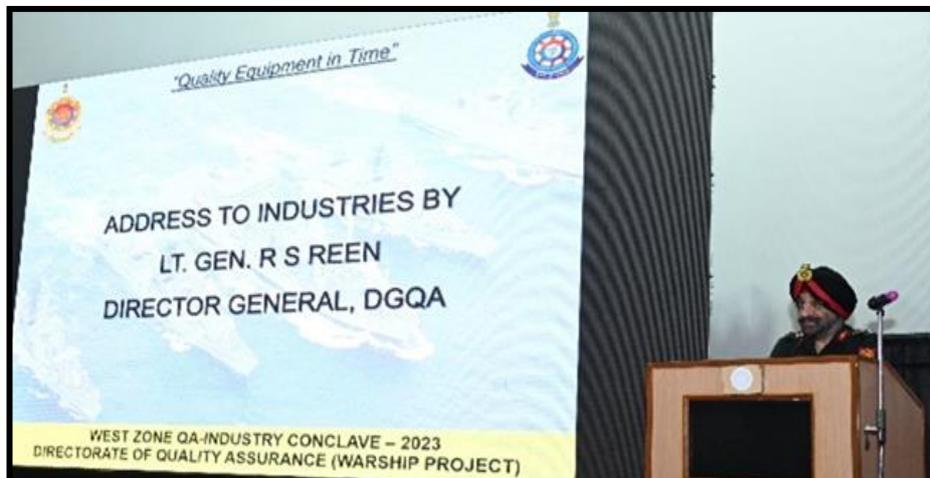
73. **DQA (CV).**

(a) **CQA (AVL).** User Interaction Meets 02 Nos.

74. **DQA (L),** User Interaction Meets 05 Nos.

75. **DQA (N).** Vendor meetings were conducted by DQA(N) units on 11 Aug 23, 22 Nov 23 and 19 Feb 2024, where periodic interactions with vendors carried out and brief on Inspection methodology, CA & VR, Govt. policies namely GCS & SCS and its benefits were disseminated.

76. **DQA (WP) Conducted West Zone QA-Conclave 2023 ON 14 DEC 23 at Vadodara.** Lt Gen RS Reen, DG, DGQA chaired the meet and Shri T Natarajan, AS (DP) addressed the event over VC. Industry from West Zone participated in the event. Press release of the event was issued through PIB and Tweet on this event was also published by MoD/DDP.



PROOF FIRING/FIELD FIRING

77. **DQA (A)**

(a) **CQA (W) Jabalpur:** Proof firing/field firing- 03(Pinaka & Dhanush)

(b) **SQAE (A) & LPR Khamaria.** Details of Proof activities carried out during the year 2023-24 are as under:-

<u>Amn Proof</u>		
SI No.	Type of Proof	No. of Lots proved during the year 2023-24
(i)	OTL Proof	221
(ii)	OTL Proof (Re-Proof)	24
(iii)	OTL Proof (Fresh)	14
(iv)	Component Proof	907
(v)	Propellant proof	122
(vi)	Depot Proof	45
(vii)	GM's Trial	39
(viii)	Rd 84mm ATEX Ex ARDE, Trial	01
(ix)	Rd 84mm MK-III	03
(x)	Charge Demolition 2.25lbs	02
(xi)	Rd 40mm L/70 NAMMO (Internal Trial)	01
(xii)	DI Proof	07
(xiii)	DGQA Evaluation (20mm SAPHEI Amn, 40mm HEAP/HEDP/ RP/ VOG-25, Eqpt 84mm RL-III (PH-II) & Grd 30mm VOG-17)	46
(xiv)	Check Proof	24
(xv)	23mm Twin gun	05
(xvi)	30mm Ballistic Crusher Barrel (BCB)	18
(xvii)	105/37mm IFG ex 506ABW	06
(xviii)	105/37mm LFG	00

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(xix)	Art 2A 46/T-72	56
(xx)	Art 2A 46M/T-90	54
(xxi)	Eqpt 40mm L70 Ex- 506 ABW	62
(xxii)	155/45mm Sharang	32
(xxiii)	EU Gun 155/45mm Dhanush	10
(xxiv)	Gun 155mm Bofors(Ex- ABW 506)	03
(xxv)	81mm Mortar	73
(xxvi)	81mm smoke Launcher	01
(xxvii)	84mm RL MK-III	66
(xxviii)	51mm Mortar (Ex GSF)	482
(xxix)	Ordanance 40mmL-70	07
(xxx)	Venturi & MEIP 84mm MK-III	06
(xxxi)	Shot Gun proof	2882

(c) **SQAE (A) Badmal.**

(i) **Amn manufactured at OFBL.**

- (aa) Mortar Bomb 51mm HE
- (ab) Fuze DA5A
- (ac) Mine AT 4DND
- (ad) Fuze Mine AT 4AND
- (ae) Fuze Mine AR 2BND

(ii) **Amn manufactured at AFK.**

- (aa) Rd 14.5mm TAPD
- (ab) Mortar Bomb 51mm HE.

(d) **SQAE (A),Jabalpur.** Details of Proof Firing & Field Firing attended / witnessed by the reps of SQAE (A), GCF during the period 01 Apr 2023 to 31 Mar 2024 are as follows :-

Sr No	Main Equipment	Test of Proof Activity	Name of Proof Range	witnessed by reps (Nos)
(i)	155/45 Cal Sharang Wpn Sys	IFC	LPR, Khamaria	26
(ii)	155/45 Cal EU Wpn Sys "Dhanush"	IFC	PXE, Balasore.	04
(iii)	155/45 Cal EU Wpn Sys "Dhanush"	IFC	LPR, Khamaria	05

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- (e) **CQA (SA)**. Proof Firing & Field Firing 05 Nos carried out.
- (f) **SQAE (A) Medak**. Adjustment firing of 30mm Gun Art 2A42 & 7.62 mm PKT M/c Gun fitted on BMP-IK (OE) – Qty 80 Nos, BMP-II (OE) – Qty 12 Nos.

78. **DQA (CV)**.

(a) **CQA (AVA) Avadi**.

- (i) Random Proof Firing of T-90 (OH- Casted Turret) Tank T-72 BLT and T-72 Trawl concluded successfully at CPE, Itarsi on 15- 19 Mar 2024
- (ii) Random Proof Firing of T-90 MK-III Tank carried out at CPE, Itarasi on 20-21 Dec 2023.
- (iii) Proof Firing of 31XT-72(OH-II), 03XT-72(OH-I), 01XT-90(OH), 10XT-90(MK- III) and 32XT-72 Trawl Tanks completed at Proof Range Complex, Avadi.

79. **DQA (L)**.

Sr No	Main Equipment	Test of Proof Activity	Date of Start/ Date of Completion	Name of Proof Range
(i)	PINAKA Weapon System	Firing	16 Mar 24 –22 Mar 24	Pokharan firing range
(ii)	ATGM	Field Firing	20 Feb 24 – 29 Feb 24	TFFR, Siliguri

80. **DQA (R&S)**.

- (a) **CQA(S) Sec.** : Missile Field Firings- 14 Nos, Proof Firing-10 Nos.
- (b) **SQE (L&S) Chandi**. : Attended 29 field firings of ATGM missiles.

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81. **DQA (V & EE).**

- (a) **CQA (EE), Pune –** CICG, Cyber Security, GeM procurement, File tracking, IT Sty Expdr, Misc 109C Expdr, TD details carried out online.
- (b) **CQA (V), Ahmednagar.**
 - (i) Preparation of Lab Portal is under process.
 - (ii) DIC flow chart submitted to Controller, CQA(R) Bangalore Nodal Officer Defect Investigation Portal on 19 Feb 2024.
- (c). **CQA (BEML), Bangalore.**
 - (i) **CICG Portal.** : 750 Items (NSN and Supersession) updated in portal.
 - (ii) **SO Monitoring Portal.** : 170 nos of SOs uploaded in SO Monitoring Portal.

82. **DQA (CV).**

- (a) **CQA (HV) Avadi.**
 - (i) **SO Monitoring Portal.** Details of Supply Orders are being uploaded in the portal for transparency and better governance of Defence supply chain management. A total of 484 Revenue Supply orders have been updated in the portal.
 - (ii) India Defence Mart portal developed by DDP/MoD in association with DPIT and Directorate of Standardisation (DoS) to facilitate Defence manufacturers with Single point Vendor Registration with allotment of unique Vendor identification Code (NCAGE) and facilitating to showcase their products on the website. 24 out of 31 registered suppliers dealing with CQA (HV) has registered on board.
- (b) **CQA (ICV).** All current revenue procurement SOs entered in SOMP.
- (c) **CQA (AVL).** Procurement portal is under progress with CDAC Team.
 - (i) **Supply Order Monitoring Portal.** Details of Supply Orders are being uploaded in the portal for transparency and **better governance** of Defence supply chain management. A total of 393 Revenue Supply Orders have been updated in the portal.
 - (ii) **IDM Portal.** India Defence Mart portal developed by DDP/MoD in association with DPIT and Directorate of Standardisation (DoS) to facilitate Defence manufacturers with Single point Vendor Registration with allotment of unique Vendor identification Code (NCAGE) and facilitating to showcase their

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products on the website. 24 out of 31 registered suppliers dealing CQA (HV) has registered on board.

83. **DQA (L)**. Digital DGQA 03 Segments completed.

- (a) Web portal based secure ERP.
- (b) Secure Networking layer through IP encryptors.
- (c) Computer layer with robust software - Secured Bharat Operating System (BOSS)
- (d) Following will be the part of ERP packages:-
 - (i) Inspection Coverage.
 - (ii) Procurement.
 - (iii) Configuration Management.
 - (iv) Defect Investigation.
 - (v) Lab Testing Management.
 - (vi) Technical Archiving.
 - (vii) Unified Dashboard.

iDEX CASES

84. DQA (A).

(a) CQA (A) Khadki. : Precision Guided Kit for 81 mm Mortar Amn (DISC-5/Challenge 4 iDEX Project).

(i) Brief of the Project: Precision Guided Kit (PGK) will have GPS based guided system with on-board Microprocessor which will ensure amn CEP of 10m. The PGK will be retrofitted to the amn held by the user in their inventory or to the amn under production. Programmed targeting than manual sighting of amn will result in saving of amn.

(ii) Current Status of Project.

(aa) M/s Zenus Numerix Pvt Ltd. The firm carried out trial firing at CPE, Itarsi on 18 Aug 2023. All Rds recorded Short Range. The firm was carried out modification to the PKG & has requested for another rounds of firing at CPE, Itarsi. The case has been forwarded to HQ DQA (A). 2nd trial firing on 07 & 08 Nov 2023 is completed. 3rd trial firing is being scheduled from 12-13 Feb 2024 at CPE, Itarsi.

(ab) M/s AERON Systems Pvt Ltd, Pune: The firm has developed a trial sample and has sought to carry out trial/ test firing at CPE, Itarsi. CQA (A) has recommended HQ DQA (A)/Arm-6, 7 & 8 to allot the Proof Range as per SOP. Further, CQA (A) has forwarded the parameters to be recorded during the trial and relevant range table details. Also, the firm submitted safety certificate before conduct of trial firing. 01x trial firing conducted.

85. DQA (CV).

(a) CQA (HV).

(i) Name of the Project. AFV Protection and Countermeasure System (APS)

(aa) Brief of the Project. The APS is installed on Combat Vehicles which automatically acquire, track and respond with hard kill or soft skill capabilities to a variety of threats including Rocket-Propelled Grenades (RPGs) and Anti-Tank Guided Missiles (ATGMs).

(ab) Current status of the Project: MoU between DIO and M/s Kinetix Engineering Solutions Ltd., Bengaluru was signed on 25 Jul 2019. The timelines for development of the project was 24 months, which implied the project should have been completed by 25 Jul 2021. However, till Jan 2023 the project was not completed. The Vendor in Mar 2023 expressed their unwillingness to continue in the project. Accordingly, the case has been foreclosed in Jun 2023.

(b) CQA (ICV).

(i) Name of the Project: See Through Armour (STA)

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(aa) **Brief of the Project.** STA is being designed and developed to provide the crew with 360° of situational awareness up to 500 m day and night to make rapid informed decisions.

(ab) **Current status of the Project.** 2nd validation trial conducted at Babina Field Firing Range from 01 Feb 2024 to 06 Feb 2024 and 21-27 Jun 2023 and attended by SQAE (L) Medak.

(ii) **Name of the Project:** Integrated Surveillance and Targeting System ISAT-S.

(aa) **Brief of the Project.** Integrated Surveillance and Targeting system for mechanised forces will provide integral Beyond Line Of Sight (BLOS) surveillance & Targeting capability to a combat team. The system will enhance group situational awareness with the combat and combat team.

(ab) **Current status of the Project.** Under EOI stage.

(c) **CQA (AVL).**

(i) **Name of the project:** Identification of Friend or Foe (IFF) for ICV/AFV.

(aa) **Brief of the Project:** It is system for electronically identifying the Armoured Fighting Vehicle in the battlefield positively as Friend or Foe.

(ab) **Current Status of the project:** Four Developmental Agencies (DAs) identified for the ibid development. QTP/ATP in r/o Two DAs have been finalised. Environmental Tests as per QTP in r/o of two DAs is under progress at NABL/International accredited Labs.

(ii) **Name of the project:** Situational Awareness system for mechanized columns

(aa) **Brief of the Project:** Situation awareness is based on strength of modern communication and digital technology. Situational awareness is intended through which the commander should be able to commute continuously, see the terrain, own forces and decide the course of action and communicate their plans digitally on system. It consists of following subsystems: Inertial Navigation System, Software Defined Radio (5W and 50W) and Tablet PC.

(ab) **Current Status of the project** QTP & ATP of Inertial Navigation System and Software Defined Radio (5W and 50W) have been forwarded by the firm. ATP of Tablet PC has not received yet and Environmental/Endurance Tests reports have been received partially.

86. **DQA (L).**

(a) **CQA (L) Bangalore.**

(i) **Name of the project:** Next Generation Data Communication over existing Radio Network without modification to existing infra-structure

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(aa) **Brief of the Project:** M/s Starbru Tech systems Pvt Ltd. Designed Tactical Visual Wireless Data Module (TVWDM) under iDEX Project, which can be connected through Auxiliary Cable to Radio Set (Stars V Mk I/CNR 900) to perform data communication with data terminal Eqpt via Bluetooth. It will cater for text/message, video, live location sharing and live location sharing among Radio sets in real time. This device will also work when Radio is in rely mode.

(ab) **Current Status of the project** Milestone IV completed and CQAL requested M/s STARBRU to intimate the status of Milestone IV in respect of the ibid project.

(b) **CQA (EW) Secunderabad.**

(i) **Name of the project:** AI based Satellite Imagery Analysis.

(aa) **Brief of the Project:** To lay down the user (Indian Army) requirements a for development and deployment of a composite solution to include a software and / or hardware based Automatic Satellite Imagery Analysis System, capable of object/target detection, identification, classification and analysis.

(ab) **Current Status of the project:** Milestone –IV achieved.

87. **DQA(R&S)**

(a) **SQAE (L) Bangalore.**

(i) **Name of the project:** Long Endurance Aerial Svl Platform.

(aa) **Brief of the Project:** An aerial surveillance platform which has long endurance and provides high quality of surveillance to indentify and interpret target.

(ab) **Current Status of the project** Problem Definition Statement (PDS) and Product Requirement Units (PRU) were forwarded to CQA(S) on 08 Jul 2022 to obtain comments from Sub AHSP and then forward the consolidated comments.

(ii) **Name of the project:** Remotely Piloted Airborne Vehicle (RPAV).

(aa) **Brief of the Project** An airborne armed platform which can stay airborne over target area for a long time, can acquire, track and attack targets at a high speed and have surveillance sensors on board for day and night surveillance.

(ab) **Current Status of the project** Contract No. 17015/9/Cap Proc/GS/CD /CNC (RPAV) dated 24 Jul 2023 has been placed with M/S Z motion Autonomous System and Firm has proposed tentative dates for PDI as 28 June to 01 Jul 2024 and for JRI as 22 Jul to 24 Jul 2024.

(iii) **Name of the project:** Continuous Unmanned Surveillance Tied Sys for Mechanised forces.

(aa) **Brief of the Project.** The Continuous Unmanned Surveillance Tied Sys for Mechanised forces provide us the ability to conduct static surveillance from a height to detect targets which are undetectable by ground surveillance device and also carry out close aerial reconnaissance in untethered mode Beyond Line of Sight targets.

(ab) **Current Status of the project.** Problem Definition Statement (PDS) and Product Requirement Units (PRU) were forwarded to CQA(S) on 18 Jan 2023 to obtain their comments as well as Sub AHSP comments. Comments on PRU were forwarded by CQAS to AC-3 on 28 Feb 2023 and DG Armd Corp/AC-3 intimated that Video Conference held on 28 Dec 2023 to discuss the way forward for CUST-S (iDEX proj). Vendors issues on various aspects of the project were discussed. Nomination of PFT member from CQA(S) fwd to AC-3 on 27 Jul 2023.

MAKE-I & II CASES

88. **DQA (A)**

(a) **CQA (A) Khadki.**

(i) **Name of the project:** Rd 30 mm HEI & HET and Rd 23 mm APIT & HEIT

(aa) **Brief of the Project.** NFM stores by ARDE being Designer – Mine AP Blast Nipun & Mine AT Point Attack Vibhav.

(ab) **Current Status of Project.** Draft RFP of Rd 30 mm HEI & HET and Rd 23 mm APIT & HEIT (qty 500000 Nos.) has been received after scrutiny of subject RFP, comments forwarded to HQ, DQA (A).

89. **DQA (CV).**

(a) **CQA (HV) Avadi.**

(i) **Name of the project:** AFV- Indian Light tank (AFV-ILT) (Project Name ZORAWAR)

(aa) **Brief of the Project:** In Tank T-90 & T-72 the combat weight is approx 45 Tons, limits their employment within the tactical battle area especially high altitude area and limits their strategic mobility by air and across lower weight classification bridges. A light tank would ideally fill the gap in capabilities described above while meeting operational goals in an integrated operational environment. Hence case for procurement of qty 295 Nos of AFV-ILT under MAKE-I category, Chapter-III of DAP 2020 was initiated by MoD.

(ab) **Current Status of the project:** 07 prospective Vendors participated in the meeting held on 08/06/2023. [M/s Bharat Forge, M/s Tata Adv Sys, M/s BHEL, M/s L&T, M/s Mahendra Defence Sys, M/s Tonbo Imaging & M/s HVF(AVNL)]. EoI submitted by 6 vendors. M/s Bharat Forge, M/s Tata Adv Sys, M/s BHEL, M/s L&T, M/s Mahindra Defence Sys & M/s HVF (AVNL). Broad Methodology of technical trials by DGQA forwarded to GS Branch, DGCD/CD-15A on 01 Jul 2024. RFP under finalisation.

(ii) **Name of the project.** Project Future Ready Combat Vehicle (FRCV): Make-I (RANJIT)

(aa) **Brief of the Project.** Indian Army needs to induct contemporary medium weight class Tank to be called as Future Ready Combat Veh (FRCV) should be designed to deliver highest lethality in battle field combined with integrated survivability concept and connected by a fully designed NGVA data backbone to enable next generation operational capabilities and automation paving way for unmanned turret operations and Human-Machine Teaming.

(ab) **Current Status of the project.** PSQR Staapproved /feasibility Study completed and case for proc of FRCV to be progressed under 'Make-I' Category. Revised Draft Statement of Case (SoC) received on 04 Oct 2023 and comments forwarded. Concurrence to SoC for AoN received from CQA (AVA) and CQA (AVL). CQA (HV) compiled the received comments and forwarded to HQ DQA (CV).

(iii) **Name of the project:** Ground Based Autonomous System: Make-II

(aa) **Brief of the Project:** Indian Army presently does not have any un-manned ground vehicle to undertake Surveillance, casualty evacuation, and delivery of loads. A custom made unmanned tracked / wheeled vehicle with desired capability is required to be developed. The GBAS should provide a platform for unmanned and autonomous conduct of day and night surveillance, situational awareness, casualty evacuation, carriage & delivery of operational loads in Deserts, Plains and high altitude / Mountainous terrain. An external driver should be able to remotely operate the GBAS, control all on-board equipment and get inputs from the GBAS in real time. Ministry of Defence (MoD) has accorded approval-in-Principle to progress the proposal under Make-II category.

(ab) **Current Status Of Project:** Eol for procurement of GBAS was uploaded on DDP website on 17 Nov 2023. A Total of 28 Vendors responded to Eol till 09 Feb 2024. PFT mtg to finalise Eol responses & prepare draft PSO was held on 06 May24 & 20 Jun 2024. The aspect of core sys/sub-sys/software in draft PSO was discussed. Rep of DDP, MoD informed that Vendor should be either holding a valid or should have applied for same while responding to Eol and the Vendor must confirm holding of 'Defence Industrial License' before commencement of PRR. PFT decided to seek supporting documents from those Vendors who are yet to submit the proof of Defence Industrial License' /applied for same.

90. **DQA (L).**

(a) **CQA (L) Bangalore.**

(i) **Name of the project:** Mechanical Minefield Marking Eqpt, MK-II.

(aa) **Brief of the Project:** The Equipment will be used to mechanically erect perimeter fence for marking minefields in the terrain as obtained in plains, deserts and semi-deserts.

(ab) **Current Status Of Project:** Finalized ATP has been approved, signed and handed over to rep of R&DE (E) dt. 16 Aug 2023.

(ii) **Name of the project:** Project Shakti.

(aa) **Brief of the Project:** ACCCS- "SHAKTI" consists of networks of computers and interactive terminals to provide automated Command

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and Control system for the Field Artillery operations and data management.

(ab) **Current Status of Project.** All LRUs supplied, some deliverables are pending for delivery. DD Expired.

(iii) **Name of the project:** Augmented Reality Head Mounted Display Make-II

(aa) **Brief of the Project:** The Augmented Reality Head Mounted Display System (ARHMD) is enhanced target engagement facility for operator of Ground-Based Air Defence Weapon Systems (GBADWS) like the IGLA shoulder-fired IR homing Air Defence Missile System and the Zu 23 mm Gun system.

(ab) **Current Status of Project.** User Trail and DGQA Evaluation under progress.

(b) **CQA (EW) Secunderabad.**

(i) **Name of the project:** IEWS (HIMSHKATI).

(aa) **Brief of the Project.** Project Himshakti is an Integrated Electronic Warfare System (IEWS). The system will be capable of Detecting, Monitoring, Analyzing, Locating and Jamming adversary's all types of Comn, Non Comn, Satellite, GSM including 4G and 5G, drones and UAVs.

(ab) **Current Status Of Project.** Validation of upgraded CC Block completed.

FORMULATION OF JSS/JSGs91. **List of JSS / JSG – Published.**

<u>Sr No</u>	<u>Title of JSS / JSG</u>	<u>JSS / JSG No.</u>	<u>Publication Date</u>
<u>Common for Land Systems</u>			
1	Quality Management System (QMS)	JSG 0833:2024	02.02.2024
2	Quality & Reliability Framework & Procedure for Design, Development, Production & Sustenance of Land System	JSG 0829:2023	27.12.2023
3	System Quality Assurance (including hardware, software & system) by way of Verification and Validation (V&V)	JSG 1040 : 2023	26.06.2023
4	Comprehensive Quality Assurance Guide (CQAG)	JSG 0824 : 2022	21.11.2022
<u>Armament</u>			
6	JSG for Evaluation of Small Arms Ammunition	JSG 0134 : 2023	01.05.2023
<u>Vehicle</u>			
7	Ballistic Evaluation and Test Methodology for 'B' Vehicles and its Components	JSG 0532:2023	11.03.2023
8	'Electric' Vehicles Testing (M & N category)	JSG 0531:2023	10.10.2023
9	Use of Commercially off the Shelf (COTS) Vehicular Components in Defence Supplies	JSG 0510:2023	19.12.2023
<u>Electronics</u>			
10	Detailed Specification for Printed Boards, Multilayer (DS class 5999)	JSS 52302 : 2023	06.07.2023
11	Software Defined Radio (SDR)	JSG 0823 : 2023	06.07.2023
12	Acceptance Criteria & Applicable Environmental Tests : COTS-Electrical and Electronic items of Ground Equipment for Military Applications	JSG 0825 : 2023	03.02.2023
13	Detailed specification for High Frequency (microwave) Printed wiring boards, Single and Double sided	JSG 0826 : 2023	04.01.2023
14	List of approved Electronic Components	JSG 50102 : 2022	27.01.2023
15	Electronic War Fare (EW) Systems (Land Based)	JSG 0828 : 2024	11.03.2024
16	Combat Radio and Radio Relay equipment	JSG 0832 : 2024	08.04.2024
17	Network Centric Projects (NCP):DGQA Evaluation & Test Methodology	JSG 0827 : 2024	25.04.2024

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18	Printed Circuit Boards, Rigid, Multilayer through Hole	JSG 52302 : 2024	31.05.2024
<u>Stores (SCME Items)</u>			
19	Ballistic Goggles	JSS 8465-48 : 2024	02.05.2024
20	Karbiner Plain MK-2	JSS 8465-37 : 2024	02.05.2024
21	Pulley	JSS 3020-01 : 2024	06.05.2024
22	Ladder Crevasse Crossing	JSS 4240-05 : 2024	08.05.2024
23	ICE Piton 'F' Type	JSS 8465-40 : 2024	06.05.2024
24	Ladder ICE Wall Climbing	JSS 4240-06 : 2024	06.05.2024
25	Jumars (Plate Type) Ascending LH & RH	JSS 8465-42 : 2024	06.05.2024
26	Descender	JSS 8465-43 : 2024	06.05.2024
27	Snow Goggles	JSS 8465-44 : 2024	08.05.2024
28	Boot Crampons Adjustable	JSS 8465-45 : 2024	06.05.2024
29	ICE AXE and Shovel	JSS 5110-58 : 2024	02.05.2024
30	Attachment Casualty Clearance	JSS 6530-28 : 2024	08.05.2024
31	Knife All Purpose	JSS 5110-57 : 2024	08.05.2024
32	Combination Harness	JSS 4240-07 : 2024	06.05.2024
33	Climbing Rope Nylon, Glacier Region	JSS 4020-14 : 2024	08.05.2024
34	Rucksack 70 Ltrs	JSS 8465-47 : 2024	02.05.2024
35	Survival Blanket MK I (Signal Red/Deep Orange/Golden Yellow)	JSS 7210-03 : 2024	08.05.2024
36	Men's Shirt Cold Weather Thermal Undergarment for Glacier Region	JSS 8415-29 : 2024	02.05.2024
37	Men's Drawers Cold Weather Thermal Undergarment for Glacier Region	JSS 8415-28 : 2024	08.05.2024
38	Socks Woolen Special (Two Layer)	JSS 8440-08 : 2024	06.05.2024
39	Trouser Wind Cheater	JSS 8415-30 : 2024	08.05.2024
40	Poncho Glacier	JSS 8415-31 : 2024	08.05.2024

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41	Candle Wax Non-Drip	JSS 9160-12 : 2024	06.05.2024
42	Sledge Evacuation (FRP)	JSS 4240-08 : 2024	30.05.2024
43	Hammer Piton for Glacier & High Altitude Area	JSS 5120-62 : 2024	30.05.2024
44	Bag Carrying Rescue	JSS 8105-03 : 2024	30.05.2024
45	Thermal Insole (Generic)	JSS 8335-03 : 2024	30.05.2024
46	Tent Glacier 10-12 Men Complete (Textile Decking)	JSS 8340-42 : 2024	30.05.2024
47	Facemask Cum Balaclava	JSS 8405-28 : 2024	28.05.2024
48	Head Cap Special	JSS 8415-27 : 2024	28.05.2024
49	Track Suit (Summer Suit for Super High Altitude Area)	JSS 8415-32 : 2024	28.05.2024
50	Rock Piton	JSS 8465-39 : 2024	28.05.2024
51	ICE Piton 'G'	JSS 8465-41 : 2024	28.05.2024
52	Rod Avalanche	JSS 4240-09 : 2024	24.05.2024
53	Mattress Glacier	JSS 6545-05 : 2024	24.05.2024
54	Jacket Wind Cheater	JSS 8410-06 : 2024	15.05.2024
55	Gaiters Glacier	JSS 8440-09 : 2024	24.05.2024
56	Karabiner Screw Type MK-2	JSS 8465-38 : 2024	24.05.2024
57	Cord Avalanche	JSS 8465-46 : 2024	15.05.2024
<u>Radar & Systems</u>			
58	Ground Based Radar System for Indian Armed Forces	JSG 0830 : 2024	11.03.2024
59	Indoor and Outdoor Simulator Systems used by Armed Forces	JSG 0831 : 2024	31.05.2024
<u>Military Explosives</u>			
60	Lacquer, Clear, Phenol Formaldehyde, Stoving Lead Free (APC No 209) Types A, B, C, D & E	JSS 8010-47:2017 (Third Revision)	15.05.2024
61	Guanidine Nitrate	JSS 6810-95:2018 (Fourth Revision)	15.05.2024
62	APC (Adhesives Varnishes and Lacquers) (Various) (Shellac Based)	JSS 8010-63:2016 (Fourth Revision)	15.05.2024
63	Webbing Cotton	JSS 8305-18:2017 (Fourth Revision)	15.05.2024

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64	Pyrotechnic Composition (Type A) Sr No 429-A	JSS 1365-10:2018 (Third Revision)	08.04.2024
65	Pyrotechnic composition (Type A) Sr No 807	JSS 1365-25:2018 (Third Revision)	15.05.2024
66	Pyrotechnic composition (Type B)	JSS 1365-13:2018 (Third Revision)	15.05.2024
67	Hexachloroethane	JSS 6810-99:2016 (Third Revision)	15.05.2024
68	Lead Styphnate (ME 300, RD 1302, 1303)	JSS 1375-06:2018 (Third Revision)	15.05.2024

TESTS

92. DQA (A).

(a) CQA (SA) Ichapur Dedicated test facilities at all three Resident SQAEs

All the three resident SQAEs under CQA(SA) are in the advance stage of completion of creating test facilities within their premises which will facilitate DGQA Technical Evaluations of Small Arms under one roof proposed to be procured by Indian Army. This will help **Make in India** program of the Govt of India. The detailed status of equipment's at SQAE(SA) Kanpur, SQAE(SA), Ichapur and SQAE(A) Trichy are as follows:-

(b) Status of Test Facilities.

SI No.	Test Facility	Availability at SQAEs			Remarks
		SQAE(SA) Ichapur	SQAE(SA) Kanpur	SQAE(A) Trichy	
(i)	Sand Dispensing Equipment	Available	Available	Available	-
(ii)	Fixture for Rain Test	Available	Available	Available	
(iii)	Stand for Drop Test	Available	Available	Available	
(iv)	Steel Sieve (05 Nos). Grain size approx 40, 45, 100, 250 & 300 microns	Available	Available	Available	
(v)	Tank for Water Immersion Test and Mud Test (Size: L150cm X B100cm X D110cm)	Available	Available	Available	-
(vi)	Temperature insulated containers (L150cm X B100cm X D110cm)	Available	Available	Available	
(vii)	Table size 6m X 1.5m for Interchangeability test	Available	Available	Available	
(viii)	Miscellaneous Stores:- (i) Digital weighing machine (Capacity upto 40Kg) (ii) Steel Tape (iii) Digital still/video camera	Available	Available	Available	-

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(ix)	Digital Sound Level measuring Instruments. Range 0 dB to 200 dB.	Available	Available	Available	-
(x)	Humidity chamber of Size L150cm X B100cm X D110cm, RH at 95±4% at temp +40°± 20°C	Available	Available	Available	
(xi)	(a) Rate of Fire measuring instruments, capability up to 2000 RPM (If possible, capable to measure rate of fire in burst mode of fire).	Not available	Not available	Available	Procurement action of Doppler Radar for SQAE(SA) Ichapur and SQAE(SA) Kanpur is under progress
	(b) Muzzle velocity (Measuring capacity upto 1500 m/s).	Not available	Not available	Available	
(xii)	Environmental test at extreme high & low temperature [range (Hot) upto +75° C & (Cold) upto -55°C].	Available	Not available	Available (Environmental test Chamber (Hot) up to +75° C).	Procurement action of Environmental test Chamber (Cold) upto -55° C for SQAE (SA) Kanpur and Trichy is under progress.

93. **DQA (M&E)**. Routine samples tested 2960 Nos.

94. **DQA (V & EE)**.

(a) **CQA (SV) Dehu Road**. : 07 Nos sample tested.

95. **DQA (CV)**: 513 Nos sample received and 3326 test carried out at CQA (HV), Avadi

96. DQA (L).

Sr No	Nos of Sample received	Test Type	Qty (Nos)	Testing Estt.
CQA(L) Bangalore				
(a)	Batteries	Class 'C' Samples	19	CQA(L)
(b)	Batteries	Control Samples	38	CQA(L)
(c)	Batteries	Evaluation/ NCNC	07	CQA(L)
(d)	Batteries	Shelf Life Test	121	CQA(L)
(e)	7.2V, 1.5Ah Charger Battery Li-Ion	Class C	08	CQA(L)
(f)	BtyChg Li-Ion BCS 14252	Class C	01	CQA(L)
(g)	3.5 KW Motor AC 3 Ph 220 V 50 Hz 2900 RPM	Class C	01	CQA(L)
(h)	03 Nos of DMEU MK-II for URRF	Class C	Qty on Order=316	CQA(L)

COLLEGIATE MEETING, QRMS, QCMS, SEMINARS

97. DQA (A).

(a) CQA (A) Khadki.

- (i) Meeting was organised on Incorrect Marking/Stencilling on Electronic Fuzes held at CQA (A) on 26/06/2023 with CAD Pulgaon, ECIL Hyderabad, SQA (A), S'Bad.
- (ii) Meeting to decide a way ahead for Implementations of remedial measures suggested by ULT for 105mm & 130mm Amn. Conducted on 23/05/23 with MIL, YIL & DRDO.
- (iii) Pre-Trial meet for DGQA / User Evaluation for procurement of 122 mm Grad BM-21 Rkt through Make in India at Sena Bhavan on 12 Jun 2023 vendor M/s BDL.
- (iv) Meeting was organised on Use of Shock Watch Labels during transportation of Pinaka Rkts conducted at CQA (A) on 14 Jun 2023 Vendor: M/s OFCH.
- (v) Meeting was organised on issues pertaining to Chemical Analysis and Breakdown procedure for indigenously developed Elec PF Fuzes of 105 mm, 130 mm & 155 mm Amn Ex ECIL Hyderabad conducted on 21st Sep 2023 at CQA (A) Pune.
- (vi) A Pre trial meeting was held at HQ, DQA (A) for 155 mm Amn four variants in connection with Make in India.
- (vi) Trial Readiness Review (TRR) meeting on Pinaka PF lot Nos. 43A, 44A, 45A, 64R and RHE lot No. 002A conducted at CQA (A) on 03 Aug 2023.
- (vii) A Collegiate meeting through VC wrt Re-validation of non-complaint parameter of ADM Type-1 was held on 18 Jul 2023 and the meeting was attended by Lt Col MP Pathka, DC, CQA (A), Lt Col MY Phatak, SQA (A) Khadki and Shri SB Nathe, AE (QA), CQA (A) Khadki.
- (viii) Pre-Trial meet of BMCS Low Zone for 155 mm ammunition was held at DG, Arty on 23 Aug 2023 and briefed on the ongoing stages of procurement of BMCS under 'Make in India'. The OIC, DGQA Technical Evaluation Trial explained the methodology of DGQA Technical Evaluation Trial programme to the Vendors. The important points promulgated to the Vendors and discussed during the Pre-trial meet are as under:-
 - (aa) Visit to PTL, Pune
 - (ab) No. of Samples required for DGQA Technical Evaluation Trial.
 - (ac) Certificates of the Safety Tests as per Appx 'A' para 6(f) to 6(j) of Trial Directives.
 - (ad) Technical Documents to be submitted by the Vendors.
 - (ae) Visual Inspection, Dimensional /Gauging.
 - (af) Environment Tests at PTL / ARDE.
 - (ag) Dynamic Firing tests at PXE, Balasore.
 - (ah) Muzzle Velocity and Standard Deviation.
 - (aj) Date of Submission of samples.
- (ix) First meeting on AHSP transfer of 120 mm amn held at CQA (A) on 23 Nov 2023.

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- (x) A meeting through VC was held on 27 Dec 2023 for QA coverage of 81 mm AT-AT Smoke Grenade. MoM received and HEMRL has to take decision on QA coverage.
- (xi) A Collegiate meeting through VC held on 02 Nov 2023 to discuss PDI of homogenous Swarn Drone.
- (xii) A Collegiate meeting through VC held on 15 Nov 2023 to discuss PDI of homogenous Swarn Drone.
- (xiii) A meeting through VC held on 11 Dec 2023 & 26 Dec 2023 in connection with finalization of ATP and way forward of conduct of PDI for homogenous Swarn Drone.
- (xiv) A Collegiate meeting through VC held on 10 Jan 2024 to discuss PDI of homogenous Swarn Drone.
- (xv) A Collegiate meeting through VC held on 24 Jan 2024 to discuss ISAT EOI.
- (xvi) A Collegiate meeting through VC held on 12 Mar 2024 to discuss PDI of homogenous Swarn Drone.
- (xvii) A meeting on 20 Mar 2024 for discussion on Status of Grant of Self Certification and Transfer of AHSP responsibility from CQA(A) to M/s MIL, Pune.

98. **DQA (V & EE).**

(a) **CQA (V) Ahmednagar.**

- (i) Webinar was conducted by CQA (V) Ahmednagar on 22Aug 2023 regarding issues, queries of vendors on online vendor registration portal and IDM Portal by the Vendors.
- (ii) On the occasion of 94th raising day of CQA(V) , Ahmednagar. ARAI,, Pune, CIRT, Pune, NFSU Gandhi Nagar, M/s Fronius India, Pune and WRI, Truchirapalli have participated in Webinar.
- (iii) Attended Quarterly Review Meeting on Defect Investigation on 25 May, 07 Nov 2023 & 26 Feb 2024 through VC.
- (iv) Meeting/ VC conducted/ attended.
 - (aa) Controller, CQA (V) visited VRDE, A'Nagar on 08 Aug 2023 and interacted with Dir. VRDE. Presentation was given on ongoing R&D activities of VRDE.
 - (ab) Attended meeting through VC on QA procedure for ensuring the uniformity amongst the DGQA Estts on 14 Dec 2023.
 - (ac) VC conducted on Technical Discussion on Material Properties on Non Skid Chain between SQA EVs, VQAWs and HQ, DQAV on 12 Dec 2023.
 - (ad) VC conducted on Technical Discussion on Material Properties of Non Skid Chain with M/s Monal Chain Ltd, M/s Ferretero Hoists Pvt Ltd and SQA E (V) Delhi and SQA (V) Mumbai on 10 Jan 2024.

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(b) **CQA (BEML) Bengaluru.** : Quality Liaison Meetings (through VC) have been conducted by CQA (BEML) in the first week of every month from Apr 2023 to Mar 2024 to discuss issues pertaining to QA of Eqpt & spares. QLMs are attended by Controller & Senior Officers of CQA (BEML) and reps of M/s BEML from B'lore office, Palakkad, Mysuru, KGF & Pune units.

99. **DQA (CV)**

(a) **Collegiate meeting, QRMs, QCMs, Seminar:**

Sl No	Type of Meeting	DQA(CV)	CQA(HV)	CQA(ICV)	CQA(AVA)	CQA(AVL)
(a)	No. of Collegiate Meeting held	11 Nos	06 Nos	-	73 Nos	07 Nos
(b)	No. of Quality Review Meeting (QRM) held / attended	04 Nos				
(c)	No. of Quality Liaison Meeting (QLM) held	-	08 Nos	-	02 Nos	-
(d)	No of Seminars Conducted / Attended	01 No	-	-	07 Nos	05 Nos

100. **DQA (L).**

(a) **Collegiate meeting & QCMs, Seminars.**

SR NO.	MEETING	DATE OF MEETING	PLACE OF MEETING
(i)	Collegiate Meeting on MML (SP)	09 Jan 2024	CQA(L), B'Luru
(ii)	Meeting on Grant of Green Channel Cases.	17 to 19 Aug 2023	M/s. BEL, Kotdwara
(iii)	ULH Warranty Sentencing Committee Meeting	31 Aug 2023	CQA(L), B'Luru
(iv)	Meeting on DGQA HMB for Cyber Security	22 Nov 2023	Online Meeting
(v)	Meeting wrt MML(SP) with CQA(EE) and R&DE Pune	30 Jan 2024	CQA(L), B'Luru
(vi)	QRSAM meeting attended regarding environmental test for ground system	22 Mar 2024	Online Meeting
(vii)	Meeting for Design Evaluation & requirement of Evaluation w.r.t Software QA	19 Apr 2023	Online Meeting

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(viii)	Seminar conducted by online on iDEX Projects	17 Jul 2023	Online Meeting
(ix)	5 th EB of Proj HIMSHRUTI	22 Jun 2023	DLRL, Hyd
(x)	4 th JPMT of project Shatrughat & Samaghat	27 Oct 2023	DLRL, Hyd
(xi)	PRM for proj Drone Jammer (Vehicle Based)	28 Nov 2023	MCME, Hyd
(xii)	Organized / Participation of Quality Conclave : 2023	30 May 2023	Online Meeting
(xiii)	Virtual Customer Meeting	21 Jun 2023	Online Meeting
(xiv)	Chintan Shiver	03 & 10 Aug 2023	Online Meeting
(xv)	Mtg wrt DI on the V/UHF 20/100 MHz Transreceiver of LIC EW System	23 Feb 2024	Online Meeting
(xvi)	Mtg on Industries 4.0 Remote Inspection	20 & 21 Mar 2024	Online Meeting
(xvii)	Webinar on "Defence Export promotion scheme"	03 Jul 2023	Online Meeting
(xviii)	Webinar on "DTIS Scheme & its present status"	10 Jul 2023	Online Meeting
(xix)	Quality Seminar under aegis of CQA(HV) between DGQA Estts / Vendors of South Zone as part of Quality month celebration	28 Nov 2023	CQA(HV), Chennai
(xx)	Indian Defence Conclave	14 Dec 2023	Online Meeting
(xxi)	Collegiate Mtg for Finalization of ATP for Advanced Towed Artillery Gun System (ATAGS)	6,7 & 28 Nov 2023	M/s BEL Pune
(xxii)	"Seminar on Opportunities for Engineering MSMEs in Defence Manufacturing & Technology Supply Chain"	19 Jan 2024	Ghaziabad

(b) **QRM**. Quality Review Meeting is being conducted by HQ DQA (L), New Delhi through Video Conference chaired by ADGQA (L) and attended by Controllerates, Establishments, MAG and Manufacturers on Quarterly basis. Last QRM for the QE March 2024 held on 24 April 2024.

101. **DQA (S)**.

(a) **CQA (GS) Kanpur**. : Collegiate meeting, QRMs/QCMs Seminars -01, (quality seminar conducted in this estt dt 23.11.2023) SQAE (GS) Kanpur 18 Nos (which includes Interaction Meeting with Factory Management, Collegiate meetings and meetings with HoE though Online/VC mode).

TECHNICAL ACHIEVEMENTS, ASSISTANCE TO INDUSTRIES

102. **DQA (A).**

(a) **CQA (A) Khadki**

(i) DGQA evaluation stage – I for Pinaka ADM (Type-I) DPICM was conducted at ARDE for two Vendors i.e. M/s MIL & M/s EEL from 06 – 23 Jun 2023. Stage – I evaluation completed.

(ii) DGQA Technical evaluation of Grenade 40 mm HEAP, HEDP, RP and VOG-25 variants carried out at PTL, CQA(A) and LPR Khamaria from 10 Feb 2023 to 19 Jun 2023.

(iii) DGQA Technical evaluation of Cartg 20 mm SAPHEI Amn for AMR (Qty 3.04L) was conducted from 03 Apr to 25 Apr 2023 at LPR, Khamaria.

(iv) DGQA evaluation stage – I for Pinaka Guided Extended Range Rocket conducted at ARDE for two Vendors i.e. M/s MIL & M/s EEL from 20-28 Jul 2023. Stage–I evaluation completed.

(iv) DGQA / User evaluation (Stage – II) Phase II for Pinaka ADM (Type – I) DPICM was conducted at PFFR for two Vendors i.e. M/s MIL & M/s EEL from 16-24 Aug 2023.

(v) DGQA / User evaluation (Stage – II) Phase II for Pinaka ADM (Type – I) DPICM was conducted at MTFRR, Leh for two Vendors i.e. M/s MIL & M/s EEL from 23-29 Sep 2023.

(vi) DGQA Evaluation trial of Cartg SA 0.338 Lapue Magnum Ammunition, qty : 4,48,400 Rds, was conducted at PTL from 30-10-2023 to 04-11-2023 and at Vendor Premises / 3 MTR from 22-11-2023 to 27-11-2023.

(vii) DGQA Technical Evaluation of Cartg SA 12.7 mm API Ex OFV has been started from 04 Mar 2024 at PTL, CQA(A) Khadki and OF Varangaon.

(viii) 214 mm PINAKA GER (75 km) IDDM DA-ARDE PA - qty: 6480 Nos. of EEL/OFB. The Stage II, Phase 2 User Evaluation trials of PSQR validation at ITR Balasore conducted on dated 30 Jun 2024 to 05 Feb 2024. The Stage II, Phase 2 User Evaluation trials of PSQR validation at PFFR scheduled from 11-22 Apr 2024.

(ix) User trial (UTRR of 125 mm APFSDS 530 mm DoP of M/s MIL conducted from 01-07 Aug 2023 at PXE Balasore.

(x) Check Proof firing of 1st and 2nd Consignment of Cartg SA 5.56 mm ammunition for TAVOR Assault Rifle. Qty 70, 30,000 Nos. Ex M/s CBC Brazil was conducted from 10-20 Nov 2023 at AFK.

(b) CQA (W) Jabalpur. Combination Proof Firing of Recuperator & Buffer Assembly (Spare) of 105/37 mm LFG. In the month of June 2023, Combination Proof Firing of Recuperator & Buffer Assembly (Spare) of 105/37 mm LFG as proposed by SQAE (A), GCF PO, Jabalpur has been approved by the AHSP. This entails rationalization of proof, reduce the cost & time for proof and also reduce the wear of Eqpt 105/37 mm LFG, which is being used for proof.

103. DQA (V & EE).

Issue:-Windshield water tank burn due to compressor pipe fouling with tank

BEFORE



AFTER



Action taken – Routing of compressor pipe done as above to prevent burning of tank

Issue:-No cover available for Heater hose

BEFORE



AFTER



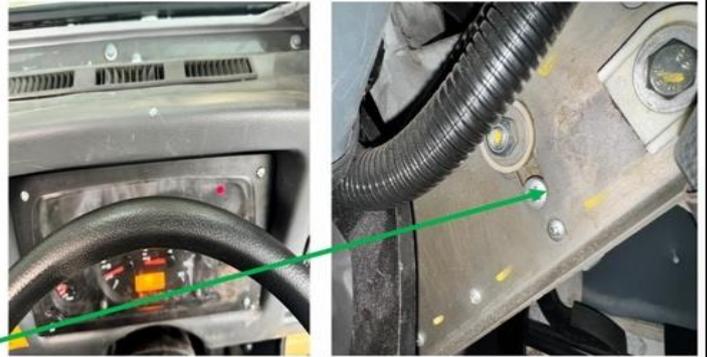
Action taken – Covered with corrugated tube to avoid damage to heater hose

Issue:-Steering wheel fouling with dashboard

BEFORE



AFTER



Action taken – Addition of stopper provided in steering adjustment slot to restrict the fouling

Issue:- Water leakage inside the vehicle through mine lock

BEFORE



AFTER



Action taken – Implementation of rubber grommet to arrest the leakage

(a) **CQA (SV) Dehu Road**: All Gp 'A' Officers CQA(SV) participated in OEMs meet on 20 Jul 2023 conducted through video conference to address the vendor related issues.

104. **DQA (L)**.

(a) **IEWS (HIMPRAHAR)** Re-FAT for 2nd Communication Block. was carried out from 24 Dec to 29 Dec 2023 at M/s TASL, Vemagal.

(b) Competent authority has accorded in-principle approval of setting up of Hardware Testing Lab, Software Testing Lab & Integrated Product Testing Lab under ISAFE at Sec-bad.

(c) **Appreciation Letter – QA- Project Drone Spoofer (Qty 28)** - An appreciation letter received from M/s Accord Software Systems Pvt Ltd for extending support during various stages of QA and to enable executing the supply well within the time limit.

- (d) **Demonstration on Hybrid QA 4.0 & Industry 4.0.** Demonstration of “Hybrid QA 4.0 & Industry 4.0 Model” to Defence Secretary was given on 27 Mar 2024 at South block, New Delhi.
- (e) **Project LIC (EW).** 499 items of different Qty of LIC (EW) MRLS cleared from M/s BEL, Hyderabad during the month Oct 2023.
- (f) **Project CCIS.** PDI conducted for Qty 06 Nos of Cellular Communication Sys at M/s BEL, Hyderabad during the month Nov 2023. CoC & PDI reports forwarded to PMO Suraj.
- (g) **Project IDDIS.** PDI for Qty 07 Nos of Project IDDIS in Phase 1 was conducted at M/s BEL, Machilipatanam from 03 to 13 Jan 2024. CoC issued.
- (h) **Project MRPI.** I-Note issued for Qty 02 sets of Multiple Radio Pre Initiator Set (MRPI -Taurus) at M/s Anadrone Sys, Hyderabad during the year 2023 -24.
- (j) **Project Shatrughat & Samaghat.** Nine entities were Design Verified & Validated as per the PSQR from 05 Feb to 22 Feb 2024. The observations for the same have been forwarded to DLRL & M/s BEL, Hyderabad for necessary action.
- (k) **Project HF Manpack SDR (MAKE-II).** Rep of DGQA visited three firms (M/s ECIL, M/s Astra Rafael Comsys Pvt Ltd., M/s ICOMM Tele Ltd., & M/s Innovation Comm Systems Ltd.) in Hyderabad as part of PFT team (on behalf of CQA (L)) from 27 Feb to 29 Feb 2024 to check the progress of the project.
- (l) **FCBC.** Quality checks have been carried out for Qty 74 Nos & QA certificate issued to M/s ICOMM, Hyderabad during the month Jan & Feb 2024.

105. **DQA (R&S).**

- (a) **SQAE (L) Bangalore :** A monthly Industry interaction conclave for the month of Aug 2023 was conducted by DQA(L) & DQA(R&S) on 08 Aug 2023 chaired by ADGQA(L) through VC. The following firms participated in the subject meeting ,M/s. Accord Software and Systems Pvt Ltd, Bangalore, M/s. Auto Tec Systems Pvt Ltd, Bangalore, M/s. TASL, Bangalore and M/s. Traab Engg India Pvt Ltd, Bangalore.

106. **DQA (S).**

- (a) **SQAE (GS) Chennai.** A Vendor meet was organized by ADGQA (CV), Avadi on 09 Aug 2023 SQAE (GS), Chennai participated in the event. Several firms pertaining to stores discipline attended the Vendors meet.
- (b) Quality seminar was held on 28 Nov 2023 as a part of Quality month Celebration. Rep of Esstt. delivered a lecture on SOP on Hierarchical functioning of DGQA Estt.

CERTIFICATION & ACCREDITATION (ISO: 2015, NABL17025-2017 etc)

107. **DQA (A).**

- (a) **CQA (A) Khadki.** Surveillance Audit of QMS (ISO 9001: 2015) of CQA, Khadki was carried out successfully on 25 Feb 2024 by BIS Auditor.
- (b). **CQA (W) Jabalpur** Renewal Audit for Renewal of IS/ISO 9001:2015 QMS Licence held by SQAE (A), GCF PO, Jabalpur has been carried out successfully on 20 & 21 Feb 2024, by a team of BIS (WR), Mumbai. In the brief Audit Report, Team Leader of BIS Audit Team has recommended for renewal/ re-certification of QMS License No CRO/QM/L-8003905.1 held by SQAE (A), GCF PO, Jabalpur. Payment of all the audit charges have been done to BIS (WR), Mumbai, licence document/certificate is awaited from BIS (WR), Mumbai.
- (c). **CQA (SA) Ichapur:** CQA (SA) Ichapur is certified with IS/ISO 9001:2015. Re-certification of QMS Certification Licence No. ERO/QM/L-5004006.1 dated 14 Nov 2023 was received on 22 Nov 2023. Grant of license is valid up to 29 Sep 2026.
- (d). **SQAE (A), Badmal.**
- (i) Certification of IS/ISO 9001:2015 is valid till 05.11.2024.
 - (ii) NABL accreditation of ME lab is valid till 24 Jul 2025.

108. **DQA (V & EE).**

- (a) **CQA (V) Ahmednagar.**
- (i) **ISO 9001:2015.** Surveillance audit of QMS IS/ISO 9001: 2015 was carried out by Sh ML Agrawal, Lead Auditor, BIS on 29 Mar 2023.
 - (ii) **NABL Accreditation.** This Estt successfully completed NABL Transition from ISO/IEC: 17025 - 2005 to ISO/IEC: 17025-2017 in the month of Mar 2021 & Re-assessment of Accreditation is valid up to 24 Apr 2024.
 - (iii) **BIS.** BIS certification of laboratory is valid up to 31 Dec 2023.
- (b) **CQA (SV) Dehu Road.**
- (i) ISO Surveillance Audit was carried out by Dr Pratibha Gupta, BIS Auditor on 21 Feb 2024 and extended the validation of the certificate up to 24 Feb 2025.
 - (ii) C&AG Audit on the performance of Codification & Standardization Activities at CQA (SV) has been carried out by Audit Team on behalf of Dte of Standardization on 06 Dec 2023. Presentation has been made to C&AG Audit Team.
- (c) **SQAE (V) Chennai.** ISO Audit was carried out by Audit Team of BIS, Chennai at the premises of SQAE (V) on 11 Sep 2023 and renewal of Certification up to 22 Oct 2026.

109. **DQA (L).**

(a) The NABL reassessment audit for testing labs of CQAL was carried out by NABL assessors on 03 & 04 Feb 2024. The labs have complied with the ISO 17025:2017 and completed the audit successfully.

(b) NABL has accorded renewal of accreditation, approving the scope of testing labs with validity from 07 Mar 2024 to 06 Mar 2026. NABL approved the scope of accreditation from existing 242 parameters to 427 parameters.

(c) The NABL reassessment audit for Calibration labs of CQAL is scheduled on 08 & 09 May 2024.

(d) ISO 9001:2015 Certification obtained from BIS, Southern Region, Chennai by CQA (EW), S'Bad and its validity from 01 Dec 2023 to 30 Nov 2026 and ISO 9001 2015 certification awarded to SQAE (L), Mumbai and Wing Pune for 03 years valid up to 14 Dec 2026 by BIS, Mumbai.

110. **DQA (R&S).**

(a) **SQA (L&S) Chandi.** : Surveillance Audit carried out successfully for ISO-2015 by BIS-Chennai on 01 Jun 2023.

(b) **SQAE (L&S) Chandigarh.**

(i) **ISO/IEC27001:2022 Certification:** Upgraded to ISO 27001: 2022 certificate. Re-certification of ISMS was done by 3M Consultants, Mohali (Pb) after conducting audit on 29 Sep 2022 without any NCs. Due date for renewal of certification is 13 Jun 2026.

(ii) **ISO 9001-2015 Certification:** 2nd Surveillance Audit was carried out by BIS; Chandigarh on 09 Nov 2023 without any NCs. Due date for renewal of certification is 01 Oct 2024.

(c) **SQAE (L) Bengaluru.** Audit of ISO 9001:2015 by BIS, Chennai was carried out on 05 & 06 Oct 2023 and awarded the ISO 9001:2015 certificate for the period of 3 years wef 01 Dec 2023.

111. **DG DGQA.**

(a) **DQA (WP).**



Lt Gen, R S Reen , DG, DGQA delivered Keynote address in North Zone Joint Naval QA Conclave on 10 May 23 at New Delhi

(b) **CQA (L), Bangalore.**



Lt Gen RS Reen, DG, DGQA being welcomed to CQAL by Brig KP Kumar, Controller on 17 Jun 2023.



Shri Surender Prasad Yadav, JS(LS) being welcomed by Lt Gen RS Reen, DG, DGQA and Brig KP Kumar, Controller, CQAL on 17 Jun 2023.

(c) **LPR Khamriya.**



Lt Gen R S Reen, DG, DGQA and Brig Anil Gupta commandant, QA & P during visit at LPR on 18 Aug 2023.

(d) CQA (W) Jabalpur.



Lt Gen RS Reen, DG, DGQA visited CQA (W) Jabalpur on 18-20 Aug 2023.

(e) SQAE (SA) Kanpur.



Lt Gen R S Reen, DG DGQA, visited SQAE (SA) Kanpur on 14 Oct 2023.



Lt Gen R S Reen, DG DGQA, Group photo with SQAE (SA) Kanpur officer and Staff on 14 Oct 2023.



Lt Gen R S Reen, DG DGQA, Meeting with SQAE (SA) Kanpur officer on 14 Oct 2023.

(f) **SQAE(S) Secunderabad.**



Lt Gen RS Reen, DG, DGQA visited SQAE(S) Secunderabad on 22 Dec 2023.

112. Lt Gen RS Reen, DG, DGQA visited QAE (WE), Vadodara on 14 Dec 23 as Chairman of West Zone QA-Conclave 2023 organised by DQA (WP).



Lt Gen RS Reen, DG, DGQA at West Zone QA-Conclave 2023 at QAE (WE), Vadodara on 14 Dec 23.

113. ADGQA

(a) **SQAE (S), Secunderabad** Lt Gen R S Reen, DG DGQA visited SQAE(S), Secunderabad on 22 Dec 2023. Lt Gen R S Reen, DG DGQA addressed all officers of DGQA of Secunderabad, Medak, SSQAG and MASQAA in SQAES Conf Hall on 22 Dec 2023. Officers participated in the address in which the DG discussed about the upcoming events pertaining to DGQA.



Maj Gen AS Negi, ADGQA, DQA(R&S) visited SQAE(S) on his Superannuation on 31 May 2023.

(b) **CQA (L)**



Shri Rajeev Ranjan, ADG (Adm) chairing the 29th Steering Committee Meeting of JCM III Level Council at CQAL from 11-12 Jul 23.

(c) **DQA (CV).**



ADGQA (CV) visited DGQA Complex, Chennai on 02 Aug 2023.

(d) **SQAE (V), Delhi.**



Shri RG Govardhan ADGQA (V & EE) Visited SQAE (V), Delhi on 31 Aug 2023.

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(e) **QAE(N) Chennai** Annual inspection of QAE (N), Chennai carried out by RAdm Ajay Patney, ADGQA (N) on 11-12 Sep 23.



(f) **CQA (A) Khadki**



Maj Gen S Srivastava, ADGQA (A) visited CQA (A) Khadki on 28 Nov 2023.

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Maj Gen S Srivastava, ADGQA (A) visited CQA (A) Khadki on 28 Nov 2023.

(g) **CQA (L).**



Maj Gen R Dhankhar, ADGQA (L) visited CQAL on 01 Mar 2024.

STATUS OF MoD SCHEMES

114. **Implementations of MoD Schemes**. Under the government policy of “**Make in India**” and Ease of doing business a number of new Govt Schemes were launched and implemented. The details are given below:-

(a) **Green Channel.**

Ser No	GCS Certification Awarded	Under Progress
(i)	DQA (N) has accorded 13 No's GCS certification till date, out of which 01 certification awarded during CFY which is comprising of spares of 2 systems.	<p><u>03 No's Applications received for Certification</u></p> <p>(aa) M/s BEL, Panchkula, Site visit completed, BP received with 03 Additional items which is not concerned by NHQ. Process of approval of BP is pending due to non-receipt of concurrence of 03 additional items by DEE.</p> <p>(ab) M/s BEL, Hyderabad, Site visit completed. BP awaited from the unit.</p> <p>(ac) 02 Nos. application from BEL, Bengaluru, Case forwarded to DEE for approval of items to be considered under GCC. Feedback regarding items awaited from NHQ for further progress of case.</p>

(b) **Status of Self Certification.**

Sr. No	Self-Certification Awarded	Under Progress
(i)	DQA (N) has accorded 10 No's SC certification till date, out of which 03 certification systems awarded during CFY.	<p><u>01 No. Applications received for Certification</u></p> <p>(aa) Self Certification of M/s Radiant corporation pvt Ltd., Hyderabad, BOO visit reschedule in Apr 24.</p>

(c) **SQAE (V), Chennai.** : Assessment carried out by VQAW rep. Along with ADGQA (V) on 15 to 16 Jun 2023 to M/s Ashok Leyland Ltd, Hosur for Green Channel Status and GCS awarded on 07 Jul 2023.

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PART III

ADMINISTRATION

1. TRAINING.
2. RAJBHASHA ANUBHAG
3. VIGILANCE ACTIVITIES.
4. SPORTS.
5. DIRECTRATE OF ADMINISTRATION.
6. POLICY, PLANNING & TRAINING DIRECTORATE.
7. MISCELLANOUS.

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TRAINING

DEFENCE INSTITUTE QUALITY ASSURANCE

115. Various activities of **DIQA** during the year 2023-24.

(a) **Training Courses.**

Srl No	Name of the course	Period	Mode	Conducted By	No of Participants attended
(i)	BQMC#30 (Phase - I)	10-28 Apr 2023	Online	DIQA	18
(ii)	Certified reliability Engg(CRE#1) by IIT, KGP	01-13 May 2023	Online	DIQA	40
(iii)	Course on ISO 17020, 17065 & 17067 by QCI	15-19 May 2023	Class room	DIQA	30
(iv)	Auditors Course on ISO-17021-1 by QCI	24-26 May 2023	Class room	DIQA	32
(v)	Basic Armt Tech Course (BARMT#1)	15-26 May 2023	Class room	CATI	15
(vi)	Cyber Security (CS#4) by CDAC	29-31 May 2023	Online	DIQA	37
(vii)	Webinar on MoD Schemes	01-02 Jun 2023	Online	DIQA	129
(viii)	Lead Auditors (LACQMS#43)	05-09 Jun 2023	Class room	DIQA	21
(ix)	HQMC#11	12-16 Jun 2023	Class room	DIQA	18
(x)	Six Sigma (GB) (BSS#3) by ISI Blr	19-23 Jun 2023	Class room	DIQA	18
(xi)	Root Cause Analysis (RCA#3) by ISI Blr	26-28 Jun 2023	Class room	DIQA	19
(xii)	Workshop on Global QA practices	30-Jun-23	Online	DIQA	216
(xiii)	BQMC#30 (Phase - II)	03-07 Jul 2023	Class room	DIQA	17
(xiv)	Basic Missile /UAV tech Course (BMISUAV#1) by CQA(S), Secunderabad.	10-21 Jul 2023	Class room	CQA(S), Secunderabad	20
(xv)	Refresher Course RC-Gp 'B' #2	10-21 Jul 2023	Online	DIQA	24
(xvi)	Basic Explosive Course (BEC#7)	24-28 Jul 2023	Online	CQA(AMN) Pune	21
(xvii)	SQMC#14	31 Jul-11 Aug 2023	Class room	DIQA	20
(xviii)	Lab Auditors (LABAC#35)	21-25 Aug 2023	Class room	DIQA	19
(xix)	Workshop for Quality Heads of Defence	28-30 Aug 2023.	online	DIQA	200
(xx)	Basic Metallurgy Course (BMC#7)	28 Aug - 01 Sep 2023	Class	CQA(Met)	21

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(xxi)	Lead Auditors (LACISMS#2)	04-08 Sep 2023	Class	DIQA	21
(xxii)	Basic Software QA Course (BSWQAC#1)	11-22 Sep 2023	Class	CQA(EW)	18
(xxiii)	CRE#2 by IIT, KGP	18 Sep to 20 Oct 2023	online	DIQA	42
(xxiv)	Basic Electronics Course (BELEC#1)	09-20 Oct 2023	Class	CQA(L) & CQA(R)	19
(xxv)	BQMC#31 (Phase-I)	06-24 Nov 2023	Online	DIQA	19
(xxvi)	Cyber Security (CS#5) by CDAC	28-30 Nov 2023	Online	DIQA	18
(xxvii)	Basic 'A' Veh tech Course (BAVEH#1)	04-15 Dec 2023	Class room		
(xxvii)	Tech Mgt for Defence QA (TMDQA#3)	04-08 Dec 2023	Class	DIQA	20
(xxix)	QMAC-DSO#32	08-12 Jan 2024	Class	DIQA	19
(xxx)	Basic Gentex Course (BGENTEX#1)	15-25 Jan 2024	Class	CQA(GS)	17
(xxxi)	SPC & SQC by ISI, Bangalore	29 Jan-02 Feb 2024	Class	DIQA	23
(xxxii)	BQMC#31 (Phase II)	05-09 Feb 2024	Class room	DIQA	18
(xxxiii)	SQMC#15	12-23 Feb 2024	Class room	DIQA	18
(xxxiv)	Auditors Course on ISO -17021-1 by QCI	26-28 Feb 2024	Class room	QCI, New Delhi	23
(xxxv)	Refresher Course RC-Gp'B' #3	18-29 Mar 2024	Online	DIQA	40

(b) Details of Courses attended by Officers and Staff of DIQA (Conducted by various Other Institutions).

<u>Ser No</u>	<u>Type of Courses</u>	<u>No. of Courses</u>	<u>No of Officers Trained</u>	<u>No of Staff Trained</u>
i	Workshop	02	04	Nil
ii	Refresher Course	01	Nil	01
iii	Webinar	02	03	Nil
iv	IT Courses	02	02	01
TOTAL		07	09	02

116. Apart from training at DIQA Bengaluru, in view of technological advances and changes in modern QA techniques, training on various topics are organised for officers & staff to have effective and efficient deployment of man power for various QA activities. Various training capsules were outsourced by respective Directorates for Officers & staff of DGQA organisation at various institutes. Dte/Establishment wise details are given below:-

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(a) **CQA (A) Khadke.** : Details of coursed conducted at CQA (A) Khadki during the year 2023-24 are as under:-

Sl. No.	Name of the Course	Duration	No. of participants
(i)	B ARM#1 DIQA for Group A/B	15 May 26 May 2023	15
(ii)	119 th Armament Quality Assurance Course(AQAC)	05 Jun 2023 to 22 Sep 2023	19
(iii)	21 th Armament Officers Course (AOC) for Gp 'A' Officers	03-20 Oct 2023	08
(iv)	8 th Course on Industrial Relation	20-24 Nov 2023	08
(v)	16 th Course on Ammunition for AE / JE	04 -08 Dec 2023	07
(vi)	15 th Refresher Course for SA	11 – 16 Dec 2023	06
(vii)	15 th Refresher Course for Instrument	18-22 Dec 2023	11
(viii)	7 th Engineering Drawing Course for Gp 'A' Officers	29 Jan 2024 to 02 Feb 2024	07
(ix)	15 th Refresher Course for Weapons (Course was conducted at CQA (W) Jabalpur under the aegis of CQA (A) Pune.)	8 -13 Jan 2024	10
(x)	Attachment of BME Course student to CQA (A) Pune. (Basic Explosive (BME) course was conducted CQA (ME) Pune & attached to CQA (A) Pune.	8-10 Jan 2024	09

(b) **CQA (SV) Dehu Road:** A training session on Basic ANSYS Simulation Solution was conducted at CQA (SV), Dehu Road on 12 May 2023. The session was organized by M/s 3D Engineering Automation LLP, Pune. All the group 'A' and group 'B' officers attended the training session to understand the feasibility of simulation software in the technical activities like Defect investigation, Trials & Testing.

(c) **CQA (V), Ahmednagar.**

Srl No	Course	Period
(i)	AHSP Activities	10-14 July 2023
(ii)	Rubber Polymer Tyre & Tubes	21 -25 Aug 2023
(iii)	ISO 9001-2015, Overview on TPI, Green Channel Certification and IPR	11-15 Dec 2023
(iv)	ISO 9001:2015 Internal Auditor	16 Dec 2023
(v)	'B' Vehicle Technology	08-12 Jan 2024

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(vi)	Emerging Technology of Electric Vehicle ('B' Veh) & Industry 4.0 & Quality Aspects	05-09 Feb 2023
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(d) **CQA (OFV), Jabalpur.**

SI No	Trg/Lecture	Type	Officers	Staff	Total
(i)	Non Payment	DIQA	08	Nil	08
		AHSP	04	08	12
		Others	02	02	04
(ii)	Payment courses	IT	Nil	Nil	Nil
		Non IT	03	Nil	03

Type of Courses	No. of Courses	Officers Trained (Nos)	Staff Trained (Nos)	
IT Courses	4	7	6	
(iii) In House Lecture	Delivered by officers & staff of CQA(OFV)	23	10	33

117. **DQA (CV).**

(a) **CQA (HV).** : On line Course on "A vehicle Technology" was conducted by CQA (HV) from 04 Dec to 08 Dec 2023. The details of training attended by the Officers and Staff are given below:

Type of Courses	No. of Courses	Officers Trained (Nos)	Staff Trained (Nos)
IT Courses	05	Nil	18
QA Courses	29	21	17
HRD & Mgt Course	05	Nil	11

(b) **CQA (ICV).**

(i) **In-house Training.** CQA (ICV) was entrusted with the responsibility of conducting following training courses as a part of CVTS training programme for the year 2023-24.

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(aa) **Workshop Technology**. The course conducted at CQA (ICV) from 07 to 11 Aug 2023. A total of 11 participants from various DGQA (V & CV) establishments attended the training programme.

(ab) **Quality Improvement Tools**. The course conducted at CQA (ICV) from 09 to 13 Oct 2023. A total of 12 participants from various DGQA (V & CV) establishments attended the training programme.

(ac) **'A' Veh Technology**. 'A' Veh Technology (Familiarisation with BMP) course conducted at CQA (ICV) from 11 to 15 Dec 2023. A total of 17 participants from various DGQA (V & CV) establishments attended the course.

(ii) **Training at External Agencies**. The details of personnel who have attended the training programmes conducted by various institutions are as follows: -

Ser No	Institution	Officers Trained (Nos)	Staff Trained (Nos)
(i)	DIQA	16	00
(ii)	CVTI	09	05
(iii)	Other Agencies	62	49
Total		87	54

(c) **CQA(AVA)**. : The details of training attended by the Officers and Staff are given below:

Type of Courses	No. of Courses	Officers Trained (Nos)	Staff Trained (Nos)
IT Courses	08	06	06
QA Courses	12	36	07
HRD & Mgt Course	22	27	15

राजभाषा अनुभाग

गुणता आश्वासन महानिदेशालय की वर्ष 2023-24 की वार्षिक रिपोर्ट

118. सरकार की राजभाषा नीति के कार्यान्वयन और राजभाषा संबंधी संवैधानिक उपबंधों, राजभाषा अधिनियम 1963, राजभाषा नियम, 1976 के अनुपालन हेतु गुणता आश्वासन महानिदेशालय में राजभाषा अनुभाग की स्थापना की गई है। इस अनुभाग द्वारा वर्ष 2023-24 के दौरान निम्नलिखित कार्य किए गए:-

- (a) गुणता आश्वासन महानिदेशालय के विभिन्न निदेशालयों से प्राप्त होने वाली प्रशासनिक, तकनीकी, संसदीय सामग्री, रिपोर्टों एवं स्थायी प्रकार के प्रपत्रों आदि का अनुवाद, टंकण तथा मिलान कार्य किया गया।
- (b) महानिदेशक महोदय की अध्यक्षता में प्रत्येक तिमाही में राजभाषा कार्यान्वयन समिति की बैठकों का आयोजन (वर्ष के दौरान कुल 04 बैठकों का आयोजन) किया गया। निदेशालय स्तर पर अपर महानिदेशकों की अध्यक्षता में राजभाषा कार्यान्वयन समिति की बैठकों का आयोजन नियमित रूप से किया गया।
- (c) वर्ष के दौरान प्रत्येक तिमाही में हिंदी कार्यशालाओं का आयोजन किया गया। इन कार्यशालाओं में विभिन्न निदेशालयों से 35 अधिकारियों/कर्मचारियों ने भाग लिया। इन कार्यशालाओं में कर्मिकों को राजभाषा संबंधी संवैधानिक स्थिति, राजभाषा नीति, नियम, प्रोत्साहन योजनाओं, हिंदी व्याकरण, नोटिंग/ड्राफ्टिंग तथा सरकारी काम-काज में राजभाषा हिंदी के प्रयोग को बढ़ाने के संबंध में प्रशिक्षित किया गया।

इसके अतिरिक्त हिंदी पखवाड़े के दौरान सभी निदेशालयों का राजभाषायी निरीक्षण किया गया जिस के आधार पर 03 निदेशालयों को प्रथम, द्वितीय तथा तृतीय शील्डें प्रदान की गईं।

(d) मुख्यालय में 16 अगस्त, 2023 से 31 अगस्त, 2023 तक हिंदी पखवाड़े का आयोजन किया गया, जिसके दौरान हिंदीभाषी एवं हिंदीतरभाषी कर्मिकों के लिए अलग-अलग प्रतियोगिताओं का आयोजन किया गया। इसमें हिंदी निबंध, हिंदी टिप्पण/आलेखन, अनुवाद, कविता पाठ, हिंदी टंकण, एवं श्रुतलेख प्रतियोगिताएं आयोजित की गईं। इसके अलावा वर्षभर में प्रत्येक निदेशालय में सर्वाधिक कार्य करने वाले कर्मिकों को 2000 रु. का पुरस्कार दिया गया।

(e) महानिदेशालय में हिंदी में सर्वाधिक कार्य करने वाले निम्नलिखित निदेशालयों को राजभाषा शील्ड प्रदान की गई:-

स्थान	निदेशालय का नाम
प्रथम शील्ड	इलेक्ट्रॉनिक्स निदेशालय
द्वितीय शील्ड	युद्धपोत परियोजना निदेशालय
तृतीय शील्ड	प्रशासन निदेशालय

(f) गृह मंत्रालय के शिक्षण/प्रशिक्षण कार्यक्रम के अंतर्गत महानिदेशालय में तैनात 15 अधिकारियों/कर्मचारियों को हिंदी शिक्षण, हिंदी टंकण एवं हिंदी आशुलिपि का प्रशिक्षण दिलाने हेतु समय-समय पर प्रशिक्षण सत्रों में नामित किया गया। राजभाषा विभाग, गृह मंत्रालय द्वारा चलाई जा रही प्रोत्साहन

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योजनाओं के अंतर्गत अधिकारियों एवं कर्मचारियों के लिए मूल हिंदी टिप्पण/आलेखन की 20,000 शब्दों की योजना एवं हिंदी आशुलिपि/टंकण प्रशिक्षण और हिंदी में सर्वाधिक काम करने हेतु नकद पुरस्कार की मंजूरी प्रदान की गई।

(g) 14-15 सितम्बर 2023 को निदेशक महोदय की अगुवाई में एक दल ने तृतीय अखिल भारतीय हिंदी सम्मेलन पुणे में भाग लिया।

(h) गृह मंत्रालय, राजभाषा विभाग व रक्षा मंत्रालय, राजभाषा प्रभाग से प्राप्त विभिन्न आदेशों व परिपत्रों को गुआमनि में परिचालित किया एवं उनके कार्यान्वयन की मॉनिटरिंग की गई।

(j) सभी निदेशालयों एवं अधीनस्थ स्थापनाओं से प्राप्त हिंदी तिमाही प्रगति रिपोर्टों की समीक्षा की गई।

(k) विभिन्न निदेशालयों की अधीनस्थ स्थापनाओं से प्रकाशित की जाने वाली गृहपत्रिकाओं के लिए महानिदेशक महोदय के संदेश तैयार कर भेजे तथा इन पत्रिकाओं की समीक्षा की गई व समुचित मार्गदर्शन किया गया।

(l) इसके अतिरिक्त प्रत्येक तिमाही में रक्षा मंत्रालय, राजभाषा प्रभाग द्वारा संयुक्त सचिव (पी एंड सी) की अध्यक्षता में राजभाषा कार्यान्वयन समिति की बैठकों का आयोजन किया जाता है। इन बैठकों में गुआमनि मुख्यालय का राजभाषा अनुभाग गुआमनि का प्रतिनिधित्व करता है। इन बैठकों में हिंदी के व्यापक प्रचार-प्रसार करने तथा सरकारी कार्यों में हिंदी के प्रयोग को निरंतर बढ़ाने के लिए चर्चा की जाती है तथा समुचित निर्णय लिए जाते हैं। इन निर्णयों को अमलीजामा पहनाने के लिए महानिदेशक महोदय की अध्यक्षता में होने वाली गुआमनि मुख्यालय की राजभाषा कार्यान्वयन समिति की बैठकों में चर्चा की जाती है तथा इस बैठक में लिए गए निर्णयों पर समुचित कदम उठाए जाते हैं।

हिंदी पखवाड़ा एवं हिंदी दिवस
HINDI DIVAS/SAPTAH/PAKHWADA

119. **DQA (A)**

(a) **CQA (A) Khadki**



Hindi Diwas celebrated form 14-28 Sep 2023.

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(b) **SQAE (A) & LPR Khamriya**. Hindi Pakhwara organized from 14 Sep to 30 Sep 2023. Competition on Hindi Nibandh, Hindi Translation & Hindi Kavita Path organized on this occasion.

120. **DQA (V & EE)**.

(a) **CQA (EE)**. : "Hindi Diwas / Pakhwada observed in CQA (EE) from 01 Sep to 14 Sep 2023. On this occasion, various activities were organised during this period. Hindi Diwas celebrated on 14 Sep 2023. 1st, 2nd & 03rd Prizes and consolation prizes against each activity have been given to the participants.

(b) **CQA (SV), Dehu Road**. Hindi Pakhwada was observed from 13th – 27th Sep 2023. The following activities were conducted on this occasion and prizes were distributed to the winners Essay Writing Competition, Poem Recitation, Noting in Hindi and Hindi Typing Competition.

121. **DQA (L)**. Hindi Cell of DGQA Adm Dte, New Delhi has centrally conducted various competitions to celebrate Hindi Pakhwada.

(a) Hindi Week was conducted by Controllerates / Establishment under Electronics Dte. Various competitions viz., Essay Writing, Quiz, Noting / Drafting and Rajbhasha GK Test were held. Prizes were awarded for the Winners.



Hindi Pakhwada prizes were distributed to the winners

122. **DQA (R&S)**. All Officers and Staff took part in Hindi Pakhwada conducted between 14 Sep to 28 Sep 2023. A presentation on 'Hindi Day Importance' was delivered by the HOE on 28 Sep 23. Various competitions like Hindi Quiz, Essay Writing, Dictation, Slogan writing, talk in Hindi etc were held for encouraging use of Raj Bhasha. Day to day Hindi correspondence with Bilingual letter head and Signature of signing authorities has been initiated. Progress Report on Hindi is submitted to HQ DQA(R&S).

123. **DQA (N)**. Hindi Pakhwada was conducted by DQA(N) and its field units from 21 Sep 23 to 28 Sep 23. Various events such as Essay writing, English to Hindi translation and objective questions and answers were organized.



124. **DQA (WP)**. Rajbhasha Hindi Pakhwara: Quality Assurance Establishment (Warship Equipment), Bhopal celebrated **Rajbhasha HindiPakhwara** from 12 Sep – 26 Sep 2023 through various in-house activities to promote use of Hindi among the all staff members. The pakhwara was then concluded with successful grand event on **26 Sep 2023**.

VIGILANCE ACTIVITIES

125. **SQAE (A) & LPR Khamaria** : Surprise Checks are being performed for various activities being done by Admin, Stores, Store Godown, MT Section, Secretariat, Cash Office, Canteen Funds, Regimental Funds etc on a regularly basis by Vigilance Officer as per directions of Commandant (QA & Proof).

126. **DQA (M&E)**. Vigilance Awareness week was celebrated from 26 Oct 2022 to 01 Nov 2023 in all Estts under control of DQA (M&E) Dte.

- (a) Integrity pledge in Hindi and English has been taken by all the officers and employees of the Establishments under control of DQA (M&E)
- (b) Dte. Samples received from trade Firms / other units are being codified to conceal the identity of the Firms /Units to laboratory personnel and the results are de-codified.
- (c) The entry of the Firm's rep inside the laboratory is being restricted to avoid any influence on test result.

127. **DQA (V & EE)**.

(a). **CQA(EE),Pune**

- (i) Banner & Posters for the theme of "INTEGRITY- A WAY OF LIFE" were displayed at several prominent places in the estt premises. Vigilance Awareness week was observed in this Controllerate from Octto02Nov2019.
- (ii) Pledge was taken by all officers and staff of the Controllerate.

(b) **CQA (SV), Dehu Road**. The Vigilance Awareness Week was observed in this estt with dedication & commitment from 30 Oct 2023 by Officers & Staff.

(c) **CQA (OFV), Jabalpur**. Vigilance officer nominated in the Controllerate has carried out constructive role in preventive vigilance. HoE enlightened the employees about their rights and the role to play in preventing corruption during vigilance awareness week during 30 Oct 2023 to 05 Nov 2023.

128. **DQA (CV)**. Vigilance Awareness Week was conducted from 30 Oct to 05 Nov 2023 which commenced with Integrity Pledge at 1100 hrs at the premises of DQA (CV).

(a) **CQA (HV)**. Col M Muraleedharan, Vigilance Officer, carried out the following activities: -

- (i) Biometric Attendance.
- (ii) TPO/Stores Procedure.
- (iii) RFR/Rejection management.
- (iv) Admin and Finance registers.
- (v) Outsourcing and Security Staff/Hiring of mess Staff.

- (vi) Cyber Security.
- (vii) Works & Admin.
- (b) **CQA (ICV)**. Total 03 Vigilance Checks carried out on monthly basis.
- (c) **CQA(AVA)**.
 - (i) Vigilance Awareness Week observed from 30 October 2023 to 05 November 2023. Vigilance pledge was taken on 30 October 2023.
 - (ii) Smt Lisamma Tom, AE (QA) Visited SQAE (A), Chennai to conduct Vigilance Surprise Check.

129. **DQA (R&S)**.

- (a) **SQAE (LS), Chandigarh**. Vigilance Awareness Week 2023 was observed by this estt from 30st Oct to 05th Nov 2023. During this period, Integrity pledge was taken by all Officers & Staff. A quiz competition was organized and other activities were also conducted during the week with the aim of identifying the corrupt practices and promoting ways to combat it at all levels.

130. **DQA (N)**. Vigilance Awareness week was conducted at DQA(N) and its field units from 30 Oct 23 to 05 Nov 23 with theme “**Say No to corruption, Commit to the Nation**” All officers and staff undertook pledge to uphold integrity and transparency in all sphere of life to eradicate corruption. During the above event QAO also emphasized on transparency, accountability in all Unit’s dealings with stakeholders..



131. **DQA (WP)**. Vigilance Awareness Week was observed across all Field Units of DQA (WP) from 30 Oct 23 to 05 Nov 23. Some glimpses of the activities conducted are given below.

- (a) **QAE (WE), Badarpur** Observed Vigilance Awareness Week and pledge taken by all the Officers and Staff.

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Vigilance Awareness Week Observed – (30 Oct 23 to 05 Nov 23).



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132. CQA (SV), Dehu Road.

(a) DGQA Interzonal Team Championship was won by West Zone wef 20 Feb to 23 Feb 2024. Following prizes were won by CQA (SV) Table Tennis Mens Doubles winner Table Tennis Women singles runners up.

(b) **Adventure Sports “Ex-Jalsahas” Water Sports** CQA (SV) has organized the “Ex-Jalsahas” Adventure Sports for the year 2024 at National Institute of Water Sports (NIWS) Goa from 11 Mar 2024 to 15 Mar 2024 under the aegis of HQ DGQA. A total strength of 33 Officers & Staff of all DGQA Estt participated in the event with zeal & enthusiasm.



Flagging off by Shri RK Tolambiya, Chairman Adventure Sports Cell



Adventure Sports Activity at National Institute of Water Sports (NIWS) Goa

133. **CQA (SA), Ichhapur** : All India DGQA Interzonal Table Tennis Tournament 2023-24 was successfully held from 20 Feb to 23 Feb 2024 at Rifle Club, The Park, Ichhapur under the arrangement of East Zone, DGQA SCB.



Opening Ceremony



All India DGQA Interzonal Table Tennis Tournament 2023-24

DIRECTORATE OF ADMINISTRATION

134. **DGQA (COORD).**

(a) **DGQA Commendation & Cash Award- 2022.** A total of 68 DGQA employees were awarded DGQA Commendation with Badge and 26 employees were given Cash Awards for the year 2022 on the occasion of DGQA Day, 2023 by Lt Gen RS Reen, DG, DGQA as a token of appreciation for their exemplary services.

(b) **Celebration of important Diwas & Weeks.** Some of the important Diwas & Weeks celebrated by DGQA Organization on a grand scale through active participation of all concerned during FY 2023-24 are as under :-

- (i) Vigilance Awareness Week- 2023 from 30 Oct 2023 to 05 Nov 2023.
- (ii) World Blood Donor Day- 14th Jun 2023.
- (iii) Run for Unity on Rashtriya Ekta Diwas - 31st Oct 2023 in various Estts of DGQA.
- (iv) 66th DGQA Day Celebration- 27 Sep 2023.
- (v) 9th International Day of Yoga- 21st Jun 2023.
- (vi) 'Meri Maati Mera Desh' and 'Har Ghar Tiranga' campaign during Azadi ka Amrit Mahotsav.
- (vii) Hindi Pakhwada from 16 Aug 2023 to 31 Aug 2023.

(c) **Adm-6A.**

(i) **Review of Service.** Periodic review of Government Service in r/o 19 Group 'A' DQAS officers was undertaken in order to strengthen the Govt. machinery in terms of guidelines issued by DoP&T.

(ii) **Placement in higher functional appointment (Director & DDG equivalent).** 32 PScO (NFSG) officers were placed in higher functional appointment of Director & DDG equivalent for better and efficient functioning of the DGQA Establishments.

(iii) **Promotion from feeder grade to higher grade.**

(aa) **Senior Scientific Officer- I to Principal Scientific Officer.**

13 SSO-I officers were promoted to the grade of PScO (JAG), dated 21.07.2023.

(ab) **Senior Scientific Officer-II to Senior Scientific Officer-I**
36 SSO-II officers has been promoted to the grade of SSO-I dated 08.03.2024.

(ac) **Admin Officer to Senior Admin Officer-II:** 05 Admin officers were promoted to the grade of Sr Admin Officer Grade II. Promotion-cum-posting order was issued dated 11.04.2023.

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(ad) **Admin Officer & Store Officer 38** Office Superintendents were promoted to the grade of Admin Officer and **06** Senior Store Superintendents were promoted to the grade of Store Officer dated 17.07.2023.

(iv) **Direct Recruitment.** Offer of Appointment has been issued to 17 candidates who were selected to the post of SSO-II through UPSC as **DR SSOs-II.**

(v) **RMD (CW).** The following expenditure has been incurred for works projects in DGQA Organization:-

Budget Head	Actual Expdr 2021-22	Actual Expdr 2022-23	Actual Expdr 2023-24 (31 Mar 2024)
Capital Head	4.93343 Cr	6.8787 Cr	5.9319 Cr
Revenue Head	58.46033 Cr	66.0448592 Cr	66.9315301 Cr

(vi) **Redressal of Grievances.** 100% disposal of grievances received during the FY 2023-24 have been done and the average disposal time is 23 days.

135. **DGQA / VIGILANCE CELL.**

(a) The objective of DGQA (Vig) is to ensure maintenance of high standards of discipline and efficiency in the organization. In order to achieve organizational objectives, considerable emphasis is placed on both preventive & punitive vigilance in all Establishments of DGQA Concerted efforts are made to finalize disciplinary/vigilance cases in a time bound manner and in accordance with the Govt policies/procedures.

(b) **Preventive Vigilance Measures.** Measures have been taken to improve systems and procedures to eliminate/reduce corruption, promote transparency and ease of doing business. Following package of preventive vigilance measures have been taken.

(i) **PIDPI Resolution.** Under three - month campaign on preventive vigilance measures as per advice of CVC, awareness building program was organized across the DGQA Estts on Public Interest Disclosure and protection of Informers (PIDPI) Resolution.

(ii) **Vigilance Surprise Check.** The methods and procedures of Vigilance Surprise Check in DGQA Estt have been further streamlined and revamped to ensure better operational results, improve transparency and accountability

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and reduce procedural violation/inadvertent errors arising out of lack of awareness.

(iii) **System Improvement Study**. System improvement studies in DGQA are regular undertaken to simplify and standardize rules and procedures to eliminate discretion and arbitrariness, which in turn reduce corruption.

(iv) **Capacity Building**. DGQA employees are made aware of the duties and responsibilities, code of conduct, rules and regulations through regular training and awareness programmes.

(v) **Leveraging Technology**. Leveraging Technology and using it as an endeavour to reduce corruption and promote transparency and accountability.

(vi) **Disposal of Complaints**. Anonymous and pseudonymous Complaints and Complaints lodged under PIDPI are dealt with utmost priority. Timely disposal of Complaints is ensured in line with in house complaint handling policy and as per directions in Vigilance Manual- 2021.

(c) **Vigilance Awareness Week**. Vigilance Awareness week was observed w.e.f. **30 Oct 2023 to 05 Nov 2023** to cover aspects of honesty, integrity & encourage employees to support the cause of eradicating corruption. A series of activities like quiz competition, debate, discussions, lectures, poster making were organized/performed during the period to spread awareness. Besides this, a three-month campaign (16th August 2023 to 15th November 2023) was undertaken on 06 preventive vigilance measures as in para 2 above on the advice of CVC.

(d) **Awareness Generation Programme on Prevention of Sexual Harassment of Women at Workplace**. A five member revised Internal Complaints Committee was constituted on 05 Sep 2023 with Smt D Padmavathy, JAG(NFSG), CQA(L), Bengaluru as the Chairperson as per provisions of 'Sexual Harassment of Women at Workplace (Prevention, Prohibition, Redressal) Act 2013. The information regarding constitution of ICC, its role and functions, procedure for filling of complains under SH Act was given wide publicity among all employees of DGQA organization.

DIRECTORATE OF POLICY, PLANNING AND TRAINING (PP&T)

136. Policy, Planning & Training (PP&T) Dte of DGQA Organisation is the interface between DGQA and MoD, MGO, Line Dtes of Army, BIS, CII & other Govt / civil agencies. Besides this, PP&T Dte is also responsible for laying down technical policy guidelines and training of Officers & staff. The functions & achievements of Policy, Planning & Training (PP&T) Dte are as under:-

- (a) **DGQA /Adm -16(TC)**. Function of DGQA/ Adm-16 TC is as under:-
- (i) Review, Formulation and implementation of all technical policy Directives. DGQA/ Adm-16 TC is responsible for the Review, Formulation and implementation of all technical policy Directives within the organization.
 - (ii) Following activities wrt Parliament Matters pertaining to DGQA:-
 - (aa) Centrally responsible to collate response to Parliament Questions of DGQA.
 - (ab) To Coordinate activities on issues pertaining to DGQA Budget outlay approval from the Standing Committee on Defence or any other issue requiring the views of DGQA.
 - (iii) **Third Party Inspection (TPI) Agency**. MoD / DDP has formulated a scheme for Third Party Inspection (TPI) to perform the QA functions pertaining to Non-Critical Defence Stores manufactured by Private Industries in India. TPI agency, accredited by QCI for ISO 9001-2015 and Certification of Conformity Assessment as per ISO/IEC 17020:2012, to undertake QA of non-critical Defence Stores. DGQA undertake registration of TPI Agency. Order Placing Authority (OPA) will have option to select the empanelled TPI Agency for carrying out QA.
 - (iv) **Goods & Service Tax (GST) Implemented**. GST replacing Service Tax etc in all the establishments of DGQA. Policy letters issued by MoD/ DDP eg levy of QA charges, Proof Testing of Fibre Glass Helmets etc required amendment where in the service Tax replaced with GST in line with Govt Policy on the subject.
 - (v) **Compilation & Presentation**.
 - (aa) It also coordinates activities pertaining to Policy Planning Board (PPB) meetings including progress and follow-up action thereon.
 - (ab) Compilation of inputs and preparation regarding monthly DO letter from DGQA to Secy (DP) on important events.
 - (ac) Prepares presentations for various dignitaries like RRM, COAS, Secy (DP), MGO, DGQA and so on.
 - (vi) **Important Conferences**. The section also coordinates all activities and compiles comments required for preparation during various important Conferences like ER Conf, Bi-annual Review of DRDO Projects, GSEPC Meeting, etc. DGQA Tech Coord (16TC) also monitors and provides periodic feedback to DGQA, Spl DGQA and MoD on important issues like recommendations of various Committees.

(vii) **Material for MoD Annual Report**. Compilation of inputs received from Tech Dtes on 'MoD Annual Report' for approval of DGQA and onward submission to MoD.

(viii) **DGQA Day Celebrations**. This office coordinated various activities for successful conduct of DGQA Day at Kothari Auditorium, DRDO Bhawan New Delhi.

(b) **DGQA/ Adm-1**.

(i) **Functions**. Functions of DGQA/ Adm-1 are as under:-

(aa) To coordinate & conduct various type of training imparted at various training establishments of DGQA. The type of training imparted are categorized as under:-

(ab) Induction Training.

(ac) Refresher Training.

(ad) Specialized Training.

(ii) To organize training of DGQA officers and staff by availing of opportunities provided by the Government/Semi Government Institutions like:-

(aa) National Defence College, New Delhi.

(ab) QCI of India, Delhi.

(ac) Institute of Technology Management, Mussorie.

(ad) Institute of Armament Technology, Pune.

(ae) Indian Institute of Public Administration, New Delhi.

(af) IIQM Jaipur, NISIET Hyderabad, NITS NOIDA and NITIE Mumbai.

(ag) National Institute of Foundry and Forge Technology, Ranchi.

(ah) Foreman Training Institution, Bangalore and Jamshedpur.

(aj) National Productivity Council, New Delhi.

(ak) Advanced Training Institution, Bombay, Kolkata, Kanpur, Hyderabad and Chennai.

(al) Defence Institute of advance Technology, Pune.

(am) IIMs and IITs.

(an) Army Training Institutes.

(c) **DGQA/ Adm-18**.

(i) **Functions**. Functions of DGQA/ Adm-18 are as under:-

(aa) **Publish DGQA Annual Report**. The DGQA Annual Report is published to highlight the important achievements of the organisation during the year. The activity is undertaken in the following stages:-

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(aaa) **Inviting Inputs & Compilation.** Inputs are invited from all directorates. The inputs are vetted by BOO & compilation of vetted inputs is carried out.

(aab) **Preparation of Draft DGQA Annual Report.** The Draft DGQA Annual Report is prepared and put up to DGQA for approval before final printing.

(ab) **DGQA Half Yearly Journal.** The DGQA Half Yearly Journal is published to disseminate knowledge on latest technical developments gained from various sources in India and abroad for the benefit of all members of the organization.

(ac) **DGQA Quarterly News Letter.** DGQA Quarterly News Letter is published to highlight the important Visits of VIPs, Technical activities/achievements, retirements of the officers and staff and other welfare activities of the organisation during the quarter.

(ii) **RAKSHA MANTRI'S AWARD FOR EXCELLENCE IN DEFENCE AND AEROSPACE SECTOR.**

(aa) Raksha Mantri Award for Excellence in Defence and Aerospace Sector has been instituted to encourage and reward excellence in various dimensions of Defence and Aerospace Sector.

(ab) Raksha Mantri's Awards for Excellence was re-instituted de-novo with effect from 2022, including Aerospace Sector and incorporating Private Defence Industries, to give boost to Atmanirbharata initiative of Government and to encourage growth of Private Defence Industries. The awards will be given to Large scale, Medium scale & Small scale Industries and Start-ups, under Innovation, Indigenisation and Export categories. Teams / Individuals from these Industries are also eligible to participate in the Innovation and Indigenisation categories.

(ac) The core objectives for institution of these Awards is to encourage and reward all-round excellence in various dimensions of organisational performance, facilitate widening and deepening of Industrial base in Indian Defence and Aerospace sector, by identifying 'hidden gems', especially from Private Industries, with focus on MSME / start-ups segment and promoting them as role models for others.

(ad) An online portal is developed and applications was received and processed, online, on this portal, for short-listing of winners under various categories/sub-categories.

(d). **DGQA/ Adm-19.**

(i) **Functions.** Functions of DGQA/ Adm-19 are as under:-

(aa) To Monitor Issue of DGQA approvals. DGQA approvals are published through PP & T Dte. DGQA approvals constitute an important aspect of Eqpt Management in the Army. These approvals serves as

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the basis of all procurement as well as phasing out of any eqpt / stores held in the Army.

(ab) Master Part Indices (MPI) Cards/History Sheets stored in Electronic Media. While DGQA approvals constitute the authority for all actions regarding provisioning of service eqpt of both Ordnance and Engineers, MPIs form the basic indices against which all stores particular spare parts are provisioned, held and issued. MPIs are printed in loose Leaflet form and each Leaflet refers to only one store with details such as make, part No, designation, inter-changeability and commonalities etc. The status of the achievement is being monitored at PP&T Dtes.

(ac) To Monitor the Digitization of Drawings. AsHSP are the repository of drawing/specification. Considering advancement of info tech, it was decided to digitise all the drawings held by AsHSP. Monitoring is done by PP&T Dte.

(ad) To Monitor the Codification Activities. Codification of defence stores is based on references cum characterisation which helps in identifying the items uniquely with the aim to sort out duplicities of items, rationalisation of the inventories and inter-changeability to ensure entry control of stores in Defence Services. Dte of Standardisation has been allotting annual codification targets to various agencies including AsHSP for codification with the approvals of Chairman DECC. Progress is monitored by PP&T/Adm-19.

(ae) To Monitor the Closure of Defect Reports. Accidents, Defects and failure of eqpt, weapons, ammunitions and explosives during use, storage, handling & transportation or fires caused by explosives are to be reported to the technical authorities with least delay. Respective AHSP investigate the defects & finalise the defect reports in consultation with HQ TG EME. Progress is monitored by PP&T/Adm-19.

(af) To Monitor ISO 9001:2015 Certification. The status of ISO 9001:2015 certification by Estt of DGQA is being monitored at PP&T/Adm-19.

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137. DGQA DAY CELEBRATIONS.

(a) HQ, DGQA.



Lt Gen RS Reen DG, DGQA at DGQA Day Inauguration

DQA (A).

(a) CQA (A) Khadki.



DGQA Day was celebrated at CQA (A) Khadki on 27 Sep 2023.

138. **DQA (R&S).**

(a) **SQAE (L) Jabalpur.** DGQA day celebrations were carried out on 27 Sep 2023. Sports & cultural events were organized before DGQA rising day.

AZADI KA AMRIT MAHOTSAV

139. **DQA (V & EE).** : Brig R Dhankhar, Controller CQA (SV) hoisted the National Flag on the occasion of 77th Independence Day Celebration on 15 Aug 2023 at CQA (SV) Dehu Road. All Officers, Staff & family members participated with enthusiasm and national fervour.



Brig R Dhankhar, Controller CQA(SV) hoisted the National Flag

140. **DQA (L).** The programs conducted by the establishment under the aegis of ‘Azadi Ka Amrit Mahotssav’ ‘Har Ghar Tiranga’ and Meri Maati Mera Desh Campaign.

INTERNATIONAL WOMEN’S DAY

141. **DQA (R&S).** Meeting of women Welfare Committee held Quarterly at HQ SQAE(S) and chaired by SQAQ, SQAE(S). SQAQ enquired about the well being of ladies in the establishment and any problems being faced by the ladies in the work place. There being no grievance from ladies side.

142. **DQA (N).** : International Women’s Day was celebrated on 08 Mar 2024 at DQA (N) and its field units.





International Women’s Day celebrated on 08 Mar 23.

INTERNATIONAL YOGA DAY EVENTS

143. **DQA (L)**. 9th International Yoga Day - A Seminar was conducted at CQAL the theme being Yoga for Vasudhaiva Kutumbakam on 21 June 2023 under the guidance of Dr G. Manjunath, Sr Associate professor from Swami Vivekananda Yoga Anusandana samsthana Bengaluru.



Dr Manjunath G, Senior Associate Professor, Swami Vivekananda Yoga Anusandana Samsthana giving a speech on importance of Yoga on the occasion of 9th International Yoga Day celebrations on 21 Jun 2023 at campus.

144. **DQA (R&S): SQAE(S).** All Officers & Staff gathered to celebrate International yoga day on 21 Jun 2023 and discussed the importance of this day as well as talked about the yoga's important in life. The event culminated with the exercises of Aasans in the lawn of SQAE(S) along with Officers/Staff of HQ DGQA(R&S) and followed by high tea.



International yoga day celebrated at SQAE (S) Secunderabad on 21 Jun 2023

145. **DQA(S). SQAE (GS) Chennai.** Yoga and Meditation Practice session. Banners/Posters highlighting importance of Yoga with the help of instructors from Brahma Kumaris, Chennai the event started with yoga song. Further the instructors elaborated the benefits of Yoga as well as asanas. All officers/Staff performed basic asanas.

146. **DQA (N).** International Yoga Day was celebrated in DQA(N) and its field units on 21 Jun 2023. All officers/staff of DQA (N) actively participated in the event.



International day of YOGA conducted on 21 Jun 23 by DQA (N)

***** **END** *****