File No. 8(19)/2018-D(Coord/DDP)
Government of India
Ministry of Defence
Department of Defence Production

South Block, New Delhi,
Dated :08.02.2019

ORDER

Subject: Implementation of the recommendations of the multi-stakeholder Task Force constituted by the Ministry of Defence for 'Strategic Implementation of Artificial Intelligence for National Security and Defence'.

Pursuant to the order of even no. dated 02.02.2018, the Task Force constituted by the Ministry of Defence for 'Strategic Implementation of Artificial Intelligence for National Security and Defence', has submitted its recommendations to the Ministry of Defence. Based on the recommendations, the following order is hereby issued:
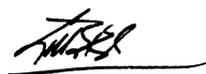
2.1: Establish a High Level Defence AI Council (DAIC) – DAIC shall be constituted with following members to provide necessary guidance to enable and effect development or tailoring of operating framework, policy level changes and structural support.

Hon'ble Raksha Mantri	Chairman
Chiefs of 3 Services	Member
Defence Secretary	Member
Secretary (DP)	Member Secretary
Secretary DRDO	Member
FA(DS)	Member
National Cyber Security Coordinator	Member
CISC	Member

Eminent representatives from industries and academia as members.

The following is a list of key responsibilities of DAIC:
- Enable AI adoption to be a part of defence strategy
- Provide strategic direction towards AI driven transformation in Defence
- Provide guidance and addressing issues related to data sharing
- Provide guidance in building strategic partnership with industry
- Review recommendations concerning acquisition of technology and startups
- Review the ethical, safe, secure and privacy assured usage of AI in defence
- Set policies in partnership with government institutions and industries to create deterrent for social and technology misuse

The execution of above responsibilities and implementation of all recommendations may necessitate the development or tailoring of operating framework, policy level changes and structural support. The DAIC shall provide necessary guidance to enable and effect these changes.
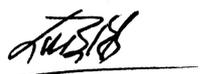
DAIC shall convene twice a year. Additional meetings may be convened on need basis. The focus is to guide high quality and speedy adoption of AI-enabled systems at scale and to ensure that the issues and concerns raised to DAIC are duly addressed.

3. **Integrate AI into India's Defence Strategy:** All organizations in MoD recognize that AI is a "force multiplier' and shall thereby integrate and embed AI, in an appropriate manner, in their strategies. MoD Organizations for the purpose of this order would mean the three Services and the Coast Guard, IDS HQs, DoD DRDO, DDP and their attached offices including OFB and various DRDO labs, DGQA, DGAQA, DPSUs and other affiliated corporate entities.

4. **Capacity Building within Defence**: The cognitive-based decision making capability of a physical and computing system will go through significant change in years to come. Defence organisations need to have deep knowledge on contemporary research and development in these areas and need to contribute significantly in terms of research articles, data, patents, knowhow, trade secrets and licensing of these IPs. These deep pockets of knowledge have to be leveraged further in building current and future talent for defence needs.

4.1: AI training courses in all defence training centres and institutes – Application of AI in defence is pervasive. All defence training centres and academic institutions shall identify the need, prepare content, and offer AI related training and courses.

4.2: AI training of defence personnel – In order to develop a critical mass of data analysts, data scientists and AI specialists, MoD organizations, including Services shall be encouraged to introduce appropriately designed training modules in their in-service trainings. SHQs shall also assess their service requirements and identify right candidates and sponsor them for long-term courses leading to Diploma, Master and PhD degrees. Defence personnel should be encouraged to enrol in internships and sabbaticals at leading AI technology companies and academic institutes to rapidly gain AI capabilities.

5.1 Funding: Each SHQs shall earmark Rs. 100 crores for AI specific application development in each year for next 5 years from their annual budgetary allocations.

5.2 Budget – A budgetary allocation of Rs. 100 Crores made by MoD each year for next 5 years to Defence AI Project Agency (DAIPA) for implementation of recommendations given by AI Task Force including taking up AI projects, setting up AI related infrastructure, clearing & preparing AI related data, Capacity building, etc. in MoD Organisations.
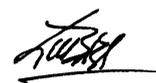
5.3 The requirement of funds would be reviewed by DAIC from time to time and suitably fine-tuned.

6: Establish a Defence AI Project Agency (DAIPA) – Formation of a Defence AI Project Agency (DAIPA) with Secretary (DP) as the ex officio head of the agency and members drawn from SHQs, IDS, DPSUs, DRDO, academia and industry partners.

Secretary (DP)	Chairman
AS (DP)	Member Secretary
3 Representatives of SHQs	Member
Representatives of IDS	Member
Representatives of DPSUs	Member
Representatives of DRDO	Member

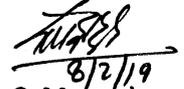Eminent representatives from industries and academia as members.

The DAIPA shall be responsible for taking all such steps as necessary for implementing this order. The key responsibilities of DAIPA will be to:

- Evolve and adopt a preferred technology stack within Defence establishments for development of AI Use Cases
- Evolve and adopt standards for technology development and delivery process for AI projects
- Review the categorisation and prioritisation of AI Use Cases at components, sub-system and system level including milestone-based fund allocation
- Tailor the standard operating procedures (SOPs) for the development and delivery of AI projects
- Formulate policy for IP Rights (IPR)
- Enable and review the on-time, on-budget, and high quality delivery of AI projects
- Review the scaling and adoption plan of AI-led and AI-enabled systems and processes with the user groups
- Incentivise the use of AI in existing systems and processes that demonstrate operating benefits
- Review the timely availability of talent in both user and technology development organisations

- Formulate policy for selection of, and contractual engagement with strategic industry partners

The DAIPA shall collaborate closely with SHQs, IDS HQs, DPSUs, DRDO, other MoD organisations, startups, technology development organisations, strategic to perform its roles and fulfil its responsibilities.

(R. C. Meena)
Deputy Secretary to Govt. of India
Tele: 2301 3705

All Members of the Committee

Copy to:-

(i)	PS to RM,
(ii)	NSA,
(iii)	Chiefs of IN, IA, IAF,
(iv)	Defence Secretary,
(v)	Secretary, DRDO,
(vi)	Secretary (DP),
(vii)	Joint Secretary (P&C).