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Trg Br 'A' (JT&P Sec)  
HQ ARTRAC  
Shimla – 171003

925001/FFL/Trg(Jt Trg)

30 Dec 2023


DGIS

### FFL WEBSITE DEVP

1. Please ref KRAMC, COAS Sectt note No COAS sect/KRAMC/KRA/0025 dt 27 Jan 2021 (Copy att).
2. **Est of FFL Webpage.** The FFL proj was envisaged with the aim of providing a link to FFC trainees for enhancing interaction with their alma maters in India. With approx 11000 offr alumni having passed out from different Cat A ests over the last 20 yrs, there is a concerted effort being made to strengthen the bonds betn them and the ests, for obvious mil-diplomatic benefits in the long run. Accordingly, newsletters are published on a six-monthly basis giving out highlights of the events and news from the Cat A ests. **As an interim measure**, these newsletters are hosted on the FFL webpage on the www.indarmy.nic.in website.
3. **Est of FFL Website.** As part of the **long-term initiative**, based on the COAS directions recd wide letter under ref, the Army Cdr, ARTRAC directed est of a **separate Alumni Website** for all past & future FFC alumni from Cat 'A' ests **with indl login IDs**.
4. Based on the directions recd, MCTE approached BISAG. Based on the interaction, quotations are recd at MCTE at **Appx 'A'** & cover page of the website is at **Appx 'B'**. It is proposed that a website be designed in house under the agies of DGIS to reduce the cost of devp & the proj be listed under ITPPP. If the website is devp in house the maint can be contracted for a duration of five years. **Mandatory & addl details for pre apvl stg are at Appx 'C'**. MCTE has already detailed the project team for the same.
5. For information and necessary action please.

Encl: As above

Copt to:-  
DDG IT, DGIS

  
(SS Pawar)  
Col  
Col GS (JT&FT)  
for GOC-in-C

MCTE - An early action is requested



**Bhaskaracharya National Institute for Space**

**Applications and Geo-informatics**

**Ministry of Electronics and Information Technology**

**Government of India**

**Proposal for**

**Friends For Life Web Portal**

**Military College of Telecommunication Engineering**

**Indian Army**

## 1 BACKGROUND

The Military College of Telecommunication Engineering (MCTE) is the engineering training establishment for the Corps of Signals, of the Indian Army. Indian Army Corps of Signals is a corps and a combat support arm of the Indian Army, which handles its military communications. The Army Training Command (ARTRAC) is one of the seven commands of the Indian Army. The main aim of the command is to maximize effectiveness of the training. It also acts as the nodal agency for all institutional training in the Army. Establishments under its ambit, spread over the length and breadth of the country, looking after the training requirements of the Indian Army and students from Friendly Foreign Countries.

The aim of developing the 'Friends for Life' web portal is to strengthen the bond with the FFC (Friendly Foreign Countries) alumni and continuing Lifelong connection between the training establishments and FFC students by sharing their details, feedbacks, promoting mutual understanding, respect, friendship and cultures.

## 2 ABOUT BISAG-N

Bhaskaracharya National Institute for Space Applications and Geo-informatics (BISAG-N) is an Autonomous Scientific Society functioning under the Ministry of Electronics and Information Technology, Government of India.

### **Aim**

To empower and serve the Nation through development of Space and Geo-spatial Technologies, its applications/solutions/services in accordance to governance principles for socio-economic welfare of the Society.

### **Objectives**

- To develop, integrate and achieve excellence in various emerging technologies such as Remote Sensing, Image Processing, GNSS, Spatial Computing, AI, ML, Mobile.

IoT, Big-data Analysis, Database Systems Management, ERP etc. through advance research and development.

- To Create and organize authenticated, compatible, standardized, large scale, Multipurpose Geo-spatial data bases and its horizontal and vertical linkages for efficient use in decision making, analysis and planning in collaboration with Government Ministries, National/State organizations and agencies under their ownership.
- To integrate Governance processes in an integrated technology-based system to provide holistic solution as per regulations/guidelines etc.
- To establish, upgrade, maintain and operational TV broadcast and Satellite based communication as National facility for education, capacity building, empowerment, training, skill development etc.
- Capacity Building to support startups and entrepreneurs in Geo-spatial technologies, establish a finishing school in advance Geo spatial technology and also to support international community in development and application of Geo-spatial technologies through a government approved programme.

### **Functions**

- Development of Technology (Aatma Nirbhar Bharat)
- Applications Development and Institutionalization (PM GatiShakti, PM Uday)
- Universalization of Education through DTH TV (PM eVidya, Digital India)
- AV Content Development Programme (Education & Security)
- Capacity Building Programme (Students, Govt. Officials, NGO, Private)

### **International Standards**

- ISO 9001:2015
- ISO 27001:2013
- CMMI Level - 5

BISAG-N assists Ministries/Departments of the Central as well as State Governments in applying Geo-spatial and other emerging technologies in an innovative manner, to improve the effective roll out of e-governance services for the common citizens.

### 3 SCOPE OF WORK

BISAG-N shall provide technical support for design, development, database Management, testing, re-engineering, and maintenance of the modules under the Friends For Life Web Portal. The Web Portal will be based on the principles of PWA - compatible with mobile, tablets, etc. The scope of work includes the development of the following modules:

- (1) Training Institute/Establishment Module
- (2) FFC alumni details Module
- (3) Articles management module
- (4) Photo gallery module
- (5) Special achievements module
- (6) E-Journals module
- (7) Hall of fame module
- (8) Activities management module
- (9) Events Management module
- (10) User Management module
- (11) Role Access Management module

### 4 ROLES AND RESPONSIBILITIES

#### 4.1 MCTE, HQ ARTRAC

- Overall project management.
- Domain expertise
- Project Funding
- NIC Cloud Infrastructure (VMs, domain, SSL Certificate and storage)

#### 4.2 BISAG-N

- Design, Development, Security Testing and Deployment

- Technical support and maintenance.
- Capacity building for stakeholders.

## 5 TECHNICAL DETAILS

The project shall prefer using the following stack:

- User Interface: HTML, CSS, JavaScript, Bootstrap, Ajax, jQuery, React.
- Services (Middleware): Microservice Architecture built on Java Spring boot.
- Database: PostgreSQL, MongoDB/ NOSQL.
- Security - OWASP Guidelines, SANS Institute Guidelines, Army Cyber Group Guidelines
- Application Server: Apache Tomcat, Nginx
- Services: REST API.

## 6 COST ESTIMATE

Total Software Development Cost is **Rs. 10,00,125** excluding applicable taxes (Rupees Ten Lakhs One Hundred Twenty-Five only).

Design, development, and adaptive changes – T0 + 3 months.

The break up of software development cost and other charges is provided below:

S.No.	Description	Total Cost (in INR)
1.	Friends For Life Web Portal	Rs. 7,95,000
2	CERT-In Security Audit	Rs. 50,000
3	Miscellaneous Cost	Rs. 1,00,000
4	Administrative Cost (7.5%)	Rs. 55,125
<b>Total Software Development Cost (A)</b>		<b>Rs. 10,00,125</b>

Total Maintenance & Support for 3 years is **Rs. 23,54,250** excluding applicable taxes (Rupees Twenty-Three Lakhs Fifty-Four Thousand Two Hundred Fifty only).

S.No.	Description	Total Cost (in INR)
1.	1 <sup>st</sup> Year: Maintenance & Support	Rs. 7,84,750
2.	2 <sup>nd</sup> Year: Maintenance & Support	Rs. 7,84,750
3.	3 <sup>rd</sup> Year: Maintenance & Support	Rs. 7,84,750
<b>Total Maintenance &amp; Support Cost (B)</b>		<b>Rs. 23,54,250</b>

### Payment Terms –

1. Advance payment of 40% for the software development cost.
2. 60% of payment on the go-live of the project.
3. Payment of AMC will be charged on yearly basis at the beginning of the year.

### Note:

1. In case of expansion of the scope of work (manpower, cloud infrastructure requirement, etc.), timeline extension, or specialized manpower for emerging technologies such as AI, blockchain, IoTs, etc., the cost shall vary and a new proposal would need to be considered.
2. T0 is the date when development will start after proficient and concise requirement gathering approval.

②

**Proposal for Friends For Life Web Portal Military College of Telecommunication Engineering Indian Army**

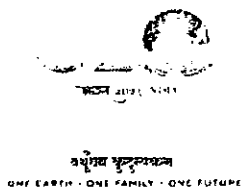
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1 attachment

Cc : Miren Karamta <miren.karamta@digitalindia.gov.in>, info@bisag.gujarat.gov.in, Gunjan Kanwar <gunjan.kanwar@digitalindia.gov.in>, Siddharth Dhawan <siddharth.dhawan@digitalindia.gov.in>

Please find attached herewith the proposal on "Friends For Life Web Portal Military College of Telecommunication Engineering Indian Army".

Dr. Vinay Thakur  
Additional Director General (ADG)  
BISAG-N  
Ministry of Electronics and IT  
Government of India  
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*[Handwritten signatures and initials]*

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FEL



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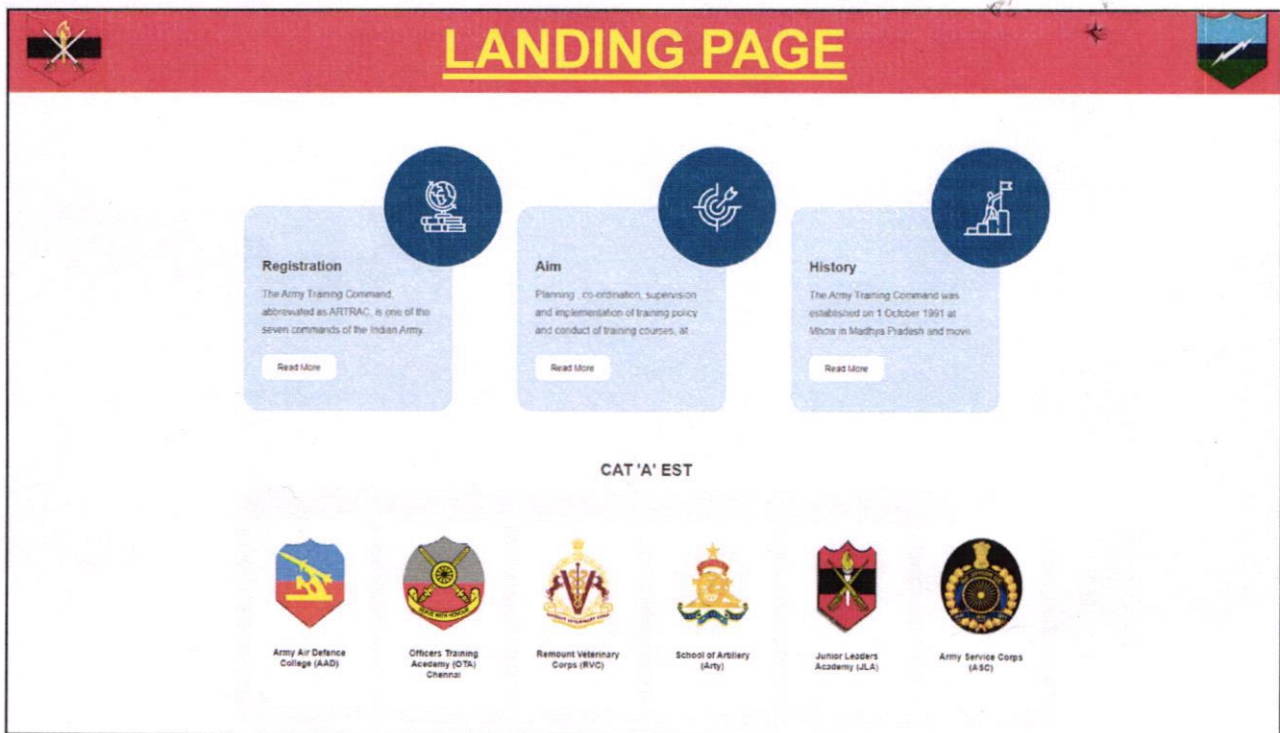
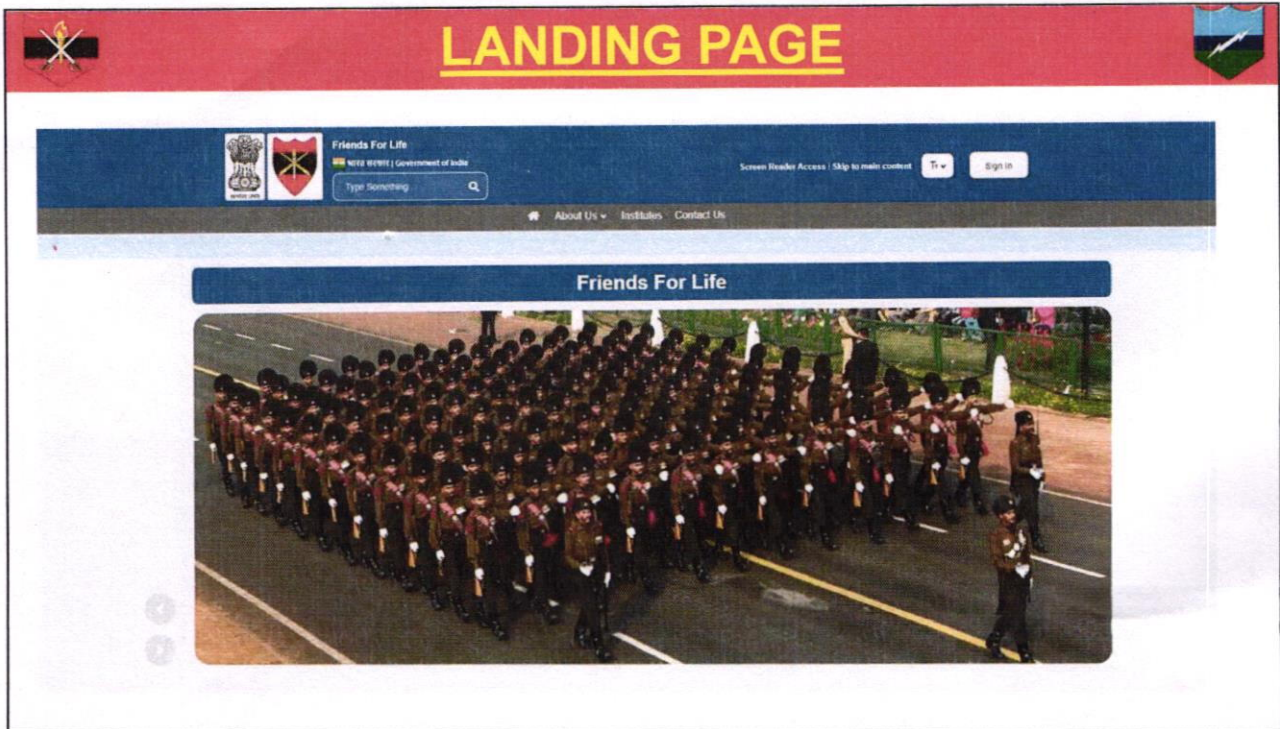
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— **Techno-Financial Proposal FFL.pdf**  
236 KB

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# LANDING PAGE


Photo Gallery

# LANDING PAGE


Photo Gallery

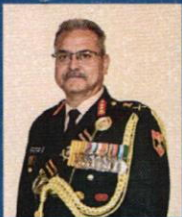
<b>32+</b> <small>Training Institutes</small>	<b>60,000+</b> <small>Students</small>	<b>5,500+</b> <small>Training Officers</small>	<b>7,324+</b> <small>Total Visitors</small>
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# LANDING PAGE











Lieutenant General  
**Surinder Singh Mahal**  
 AVSM, VSM

Thoughts Of The Day

*"Wisdom.... Comes Not From Age, But From Education And Learning."*



# LANDING PAGE





Lieutenant General  
**Surinder Singh Mahal**  
 AVSM, VSM








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Email Id: [satckts@gmail.com](mailto:satckts@gmail.com)


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# REGISTRATION



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The Army Training Command, abbreviated as ARTRAC, is one of the seven commands of the Indian Army. It is currently based at Shimla. It was established in 1991.

### Contact Us


Email Id: [safcdcb@gmail.com](mailto:safcdcb@gmail.com)

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# AIM



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## Aim

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Planning, co-ordination, supervision and implementation of training policy and conduct of training courses, at specified training establishments of the Indian Army. Supervision and monitoring of training in all other training establishments.

### Contact Us

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# HISTORY



Friends For Life  
 100th Anniversary Government of India

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## History

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The Army Training Command was established on 1 October 1991 at Mhow in Madhya Pradesh and moved to Shimla on 31 March 1993. The main aim of the command is to maximize effectiveness of the training. In 2019, it was decided to merge the Directorate General of Military Training (DGMT) with ARTRAC.

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# CAT 'A' Est



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Officers Training Academy (OTA) Chennai




Remount Veterinary Corps (RVC)




School of Artillery (Arty)




Armoured Corps(AC) Center and School




Army Service Corps (ASC)




Army War College (AWC)





Counter-Insurgency and Jungle Warfare School



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**Find us in**


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**AFNET**


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**Fax No.**

011-26181395



# SIGNUP



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PRE APVL STG (FRIENDS FOR LIFE WEBSITE)

Appx 'C'  
Ref JT&P letter No  
925002/FFL/Tg (JT&Tg) dt  
30 Dec 23

MENDATORY DETAILS

1. Name of proj (incl ver) - Friends for Life (Fresh Development)
2. Name of sponsor - MCTE, MHOW
3. Type of Sw (Bespoke/COTS/ Customized) - Customized
4. Brief justification/ endorsement on requirements for development of Sw appl - Friends for Life website is to be developed in order to maintain a life long connection between the training establishment and FFC students. This website will facilitate students for sharing their details and feedbacks. The aim is to foster strong bonds between FFC students and training establishments. The FFL website will be a medium to reconnect and serve as a springboard for further involvements.
5. Aim & Scope Purpose incl utility, beneficiaries and tgt users - The Aim of this website is to develop a platform to communicate with all foreign alumni of various trg ests ex ARTRAC and show case their achievements.
6. To be hosted on internet/ AND with brief justification - NIC (Internet)
7. Being developed in house or through IT funds - To be developed and maint by BISAG-N.
8. Usability of proposed application by other arms/ services/ org/ est - Usable (PAN-ARMY)
9. Hw and IT infrastructure required - To be hosted on NIC Server (Hosting & storage space reqd)
10. Brief details of content of the proposed Sw app - Log in page, e-journals, FFL news letters, Hall of fame, Pictures, List of all FFC alumni, misc etc.
11. Endorsement by Head of Br/ Svc/Fmn - Respective Cat 'A'/'B' est under ARTRAC.
12. Details of user base -
  - (a) Super Admin : Management of the website incl data backup (BISAG-N maint team).
  - (b) Admins : Respective trg est for their data.
  - (c) User : Students from Friendly foreign countries.



**ADDL DETAILS (OPTIONAL IN PRE APVL STG: MANDATORY  
IN POST APVL STG) : FRIENDS FOR LIFE WEBSITE**

- |   |  |
|---|--|
| 1. Envisaged cost of entire proj incl license fees and maint  | - As per MoU with BISAG-N 50 Lac (Website design – under MoU with BISAG MAINT for 5 yrs – 50 Lac)  |
| 2. Projected dt of completion incl maj timelines  | - Three months post Finalisation of Reqmts   |
| 3. Brief details of Sw platform and tech stack proposed for developed of appl incl op sys dependencies (if any) | - HTML/ CSS, PHP, MySQL & JavaScript Programming   |
| 4. Brief details of proposed network and bandwidth reqmts   | - NIC Infrastructure   |
| 5. Brief details of OS & Sys software reqmts  | - Web Browser (Mozilla/ Chrome/ IE)  |
| 6. Brief details of proposed data security measures incl backup of data   | - Auto data backup facility on weekly basis to avoid data loss. Through Maint team of BISAG-N.   |
| 7. Brief details of proposed Database Engine to be Used in appl   | - As per Database Software ('R' is oracle with Golden Gate Security).  |
| 8. Detls of Sw architecture and COTS Sw proposed to be utilized   | - HTML, CSS, PHP & JavaScript Programming for Dynamic website.   |
| 9. Detls of proposed architecture- centralized/ Federated/ Hybrid   | - Federated through trg ests.  |
| 10. Brief details of proposed utilization of Public Key Infra (PKI) and Iden and Access Mgt (IAM)               | - IAM alongwith secure coding is must as log-in page is being provided to foreign alumni.  |
| 11. Technology dependencies (if any)  | - Secure coding principles as well as Vulnerability analysis and Penetration.  |
| 12. Database reqmts testing report of devp website  | - MySql/ Oracle  |
| 13. Enhancement/ upgradation (incl patch mgt/ Sw updt procedure and mechanism                                   | - Indl CAT 'A' est would be resp for updating data of their indl webpages. However, any patch mgt and background SW updates to be done by maint team of BISAG-N atleast for three yrs. |
| 14. Details of licensing (if any)   | - To be covered under AMC  |

Telo : 33242, 23017854

FR-I  
KRAMC, COAS Sectt  
IHQ of MoD (Army)  
Room No 111/1A  
South Block, New Delhi-110011

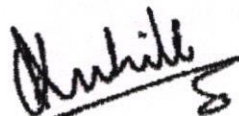
COAS Sectt/KRAMC/KRA/0025

27 Jan 2021

Trg Br (JT & P Sec)  
HQ ARTRAC  
Shimla - 171003

**INTERACTION WITH ALUMNI OFFERS FROM FFCs:**  
**FRIENDS FOR LIFE (FFL) NEWSLETTER**

1. Ref your letter No 925001/FFL/Trg (Jt Trg) dt 06 Jan 21.
2. The COAS has appre the efforts put in to strengthen the bond with the FFC alumni through the 'Friends For Life' proj.
3. In order to take this proj further, there is a need to host e-journals and other professional mtrl on the website which can be accessed by the alumni. Access to this 'unclass' mtrl could be through a login procedure with proper access facility to the alumni. Modalities for the same would need to be worked out.
4. Wide publicity to these initiatives needs to be given through trg est as well as Def Wings of respective countries in New Delhi.
5. For n/a pl.



(Amar Kuhile)  
Col  
Col KRAMC

**Copy to:-**

**MA to DCOAS (Strat)** - For Info pl.