

QUERIES HIGHLIGHTED BY THE COMPANIES DURING THE NICAT RFP MEETING HELD AT CENTAIC ON 23 MAY, 2022

Question No 01. How the companies/vendors can access and utilize the available resources related to HPC / GPU cluster facilities?

Answer. The NICAT site will be handed over to NICAT Incubation Management Team (Successful Bidder), ready with networking for provisioning of Internet services. HPC/GPU clusters available as Cloud-based services locally and internationally would be accessible by NICAT cohorts. Additionally, plans are in place for providing HPC Cloud Computing facilities within the Park also and would be made available to NICAT cohorts when available.

Question No 02. What mediums will be used by NICAT cohort companies to launch their marketing campaigns and how would NICAT itself be marketed?

Answer. The marketing strategies of companies undergoing NICAT's Incubation program would be defined by their respective business plans. However, NICAT Incubation Management Team is required to undertake all necessary and feasible marketing measures (including but not limited to social media campaigns) to attract top national talent into the program as well as represent the same effectively to all potential investors (Venture Capital Funds, Angel Investors, etc) and the same is to be made part of the proposals by all bidders.

Question No 03. How the existing facilities and Labs (available in civil institutes) along with expert Mentorship can be integrated in the existing setup for future applications i.e. AI / ML?

Answer. NICAT is located at the center of NASTP Rawalpindi with a purpose of maximizing integration with the innovation eco-system being put together. Mature R&D centers with experienced and capable HR are being co-located at the Park. Additionally, developing linkages with Academia and Industry for cooperation on expertise and capabilities sharing are already in the Parks charter of duties. A dedicated PMU is being setup to ensure translation of these benefits to NICAT residents as well. Plans are in place for providing access to engineering support facilities and panel of experts (both on-site and national level) to NICAT cohorts on affordable costs. The NICAT Management is expected to include requisite honorariums mechanism in their respective plans for effective engagement of relevant mentors.

Question No 04. Elaborate on the lead bidder criteria? Moreover, define the consortium marks if more than one company are participating as a group?

Answer. Lead bidder means the lead entity, in case of any consortium, a joint venture (JV), or partnership who is principally participating in the submission of the proposal and should submit a letter of intent for the purpose of identification. Moreover, there are no marks specific in evaluation criteria for coming up in the form of consortium.

Question No 05. Can the participating companies engage the international companies/vendors for the collaboration?

Answer. Yes, the companies can invite international companies/vendors from friendly allied countries. The lead bidder can come up in consortium with international firms.

Question No 06. What will be the cost for the utilization of Engineering Support facilities and training courses?

Answer. The recommended aerospace domain curriculum and its costs are attached as **Appendix 'A'**. These costs may be included in bidder's proposal. A catalog of aerospace domain engineering services and courses is being also compiled to be made available to incubates for utilization in their respective business and product engineering domains on as-and-when-required basis.

Question No 07. Provisioning of detailed Alpha-04 renders for the area demarcation for the NICAT?

Answer. Alpha-04 renders for the area demarcation for the NICAT are attached as **Appendix 'B'**.

Question No 08. Alpha-4 facilities available for NICAT and not to be included in bidders designs and cost estimates in financial proposal are as follows:

Answer.

S No	Facilities Included in Alpha 4	Remarks
1	HVAC	Available
2	Stand by Power	Available
3	Washrooms	Available
4	Waiting Area	Available at welcome center
5	Meeting Rooms (Common area in building). However, bidder can propose meeting room in NICAT premises	Available on rental basis
6	Cafeteria	Available at welcome center
7	Premises Security	Responsibility of alpha park management
8	Local area network & internet connectivity	Customizable connectivity is available. Bidders need to propose LAN/Wireless Network & connectivity over internet.
9	Lighting	Bidders can propose lightening solution to make the look & feel of the premises as per its proposed theme.

S No	Facilities not included in Alpha 4	Remarks
1	Furniture / Interior Décor	Bidders need to propose
2	Internet Services	Connectivity to integrate any internet service provider is available. Bidders need to propose
3	ICT equipment for NIC cohorts and management	Bidders need to propose
4	Computer / Training lab	Bidders have to come up a solution as per RFP to establish training/AV lab.
5.	Utilities	Please refer Appendix 'C'. Please address your queries in this regard at: dir.tech@acp-nastp.gov.pk ; dir.tech.ops@acp-nastp.gov.pk ; and procurement@ignite.org.pk before 14 th July 2022.

AEROSPACE DOMAIN CURRICULUM FOR NICAT AT NASTP (ALPHA)

S No	Course Title	Description	Offered By	Schedule	Duration	Total Cost - PKR (Cohort Size: 30)
1	Fundamentals of Aerospace Systems - Part 1	To give the participants a basic technical introduction of aircraft's core aerospace systems and their design considerations	CAE	1st Term	05 Days	1,650,000.00
2	Fundamentals of Avionics Systems - Part 1	To give the participants a basic technical introduction of aircraft's core avionics systems and their design considerations	CAE	1st Term	05 Days	1,650,000.00
3	Aviation Law (Initial Airworthiness) - Civil	At the end of this Training, the participant should have a comprehensive understanding of Aviation Product Design and Production regulatory driven processes. This training is intended to focus on the essential elements to provide a comprehensive understanding of the entire Regulatory and Certification Process in vogue with regards to aerospace product development in Pakistan (PCAA) and Globally (EASA / FAA).	NASTP(CTI)	1st Term	05 Days	1,650,000.00
4	Fundamental of Airworthiness Certification - Military	To educate the participants on the basic concepts of airworthiness and provide understanding of certification requirements in the major areas of aeromechanical qualification, reverse	PACA	1st Term	03 days	1,250,000.00

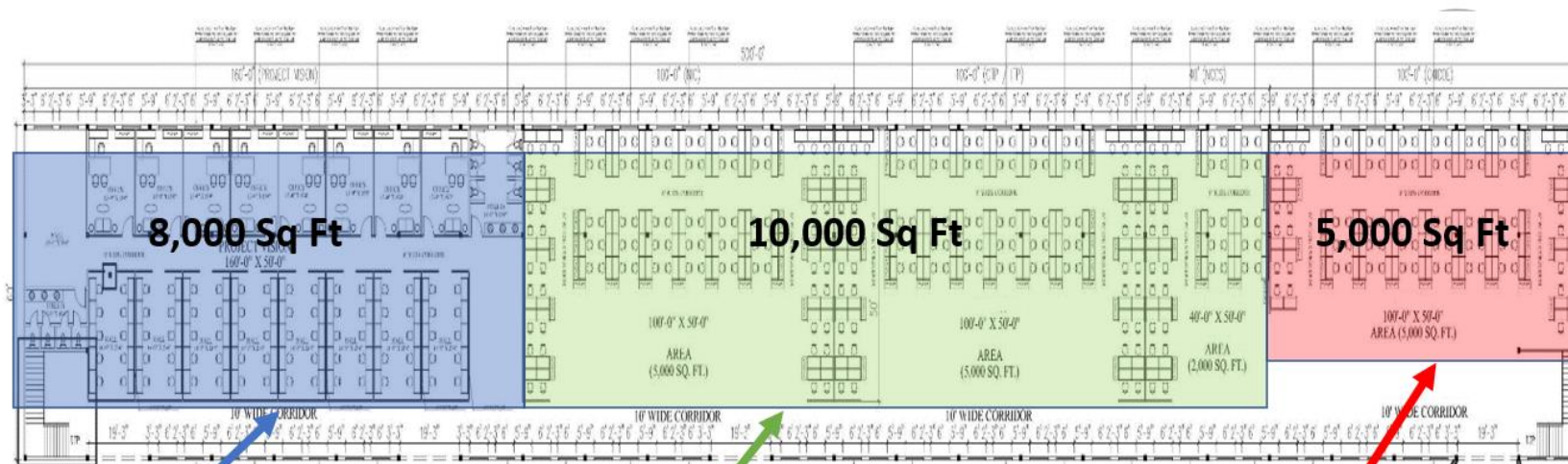
		engineering, EMI/EMC and System Safety Assessment etc.				
5	Organizations Approvals - Military	To provide understanding of certification requirements for design, production and maintenance focused organizations and requirements for certifying staff members	PACA	1st Term	03 days	1,250,000.00
6	Fundamentals of Aerospace Systems - Part 2	To give the participants a more advanced technical introduction of aircraft's core aerospace systems and their design considerations	CAE	2nd Term	05 Days	1,650,000.00
7	Fundamentals of Avionics Systems - Part 2	To give the participants a more advanced technical introduction of aircraft's core avionics systems and their design considerations	CAE	2nd Term	05 Days	1,650,000.00
8	Aviation Law (Continuing Airworthiness) - Civil	This unit aims to give students an understanding of the maintenance practices and systems of a commercial aircraft operator which ensure continuing airworthiness. Specific emphasis will be made on the legal and commercial requirements, and students will be provided with opportunities to become familiar with operational aspects of maintenance conduct and planning for airline operations.	NASTP(CTI)	2nd Term	05 Days	1,650,000.00
9	Electromagnetic Interference & Compatibility for Airborne Systems	To educate the participants on the LRU / Sub-system Level EMI & EMC requirements and related Military Standards	PACA	2nd Term	03 days	1,250,000.00
10	Environmental Stress Screening for Certification of Airborne Systems	To educate the participants on the LRU / Sub-system Level Environmental Stress Screening requirements and related Military Standards	PACA	2nd Term	03 days	1,250,000.00

11	Certification of Reverse Engineered Products	To educate the participants on the concepts related to certification of reverse engineered products and provide insight to Surface & Heat Treatment Processes, Material Characterization and Analysis, Role of NDT in reverse engineering etc.	PACA	2nd Term	03 days	1,250,000.00
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Total Annual Cost: 16,150,000.00

ALPHA-04 RENDERS FOR THE AREA DEMARCATON FOR THE NICAT





NASTP C2
Systems Division

NICAT

Cryptec – Siber Koza

Alpha – 4 (Ground Floor)

 **Proposed Charges****Alpha – 4 (Incubation Centre)****Service Charges : Rs 90 per Sq Ft****To Coverup Operations & Maintenance of Facilities**

Govt Taxes/ Land & Building

Janitorial Services

Infrastructure Maintenance

HVAC Maintenance

Generators Maintenance

• Utilities – Billing at Actual

- Electricity Charges
- HVAC Running Cost
- Generators Running Cost

Alpha – 4 (Internet Charges)**No installation cost****Internet free for first year****From 2nd year as per actual, charges**