

DIRECTOR GENERAL PROJECT SEABIRD
IHQ-MOD(NAVY)

INVITES

EXPRESSION OF INTEREST

FOR

DESIGN CONSULTANT FOR DEVELOPMENT OF
NAVAL AIR STATION AND ARMAMENT STORAGE
FACILITIES
AT KARWAR AS PART OF
PHASE IIA OF PROJECT SEABIRD

10 Sep 13

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1. Introduction

1.1 In 1986, the Indian Navy planned to establish a major Naval Base at Karwar (Karnataka), about 120 km South of Goa on the West coast of India under '**Project Seabird**'. A Master Plan for the Project was prepared in 1990, to be executed in phases, for creation of infrastructure and facilities for the basing of ships/ submarines, with all associated operational/support facilities. Phase I of Project Seabird has been completed and a limited number of ships, for which basing facilities have been created, are already operating out of the Naval Base.

1.2 **Naval Air Station (NAS)**. With the expansion of the Naval Base in Phase IIA including the basing of fixed wing aircraft and helicopter carrying ships at Karwar, a suitable Naval Air Station is required to be developed at Karwar at site 'Ç' for operation, basing, logistic support, maintenance support and training infrastructure for Short Range Maritime Reconnaissance (SRMR) aircraft, helicopters and Unmanned Air Vehicles (UAVs) of the Indian Navy. The site/ land required for the development of the Naval Air Station is already in the possession of the Indian Navy.

1.3 **Naval Armament Depot (NAD)** is a facility for storage, preparation and maintenance of various types of armaments and the repair / maintenance of various explosives categorised based on their hazard potential. NAD was constructed at Site E as part of the Project Seabird Phase I and needs to be suitably augmented to cater for the increased ammunition requirements for a large fleet planned to be based at Karwar.

1.4 **Missile Technical Position (MTP)** is a highly specialized technical facility intended for the storage, preparation, maintenance and upkeep of surface to surface (SSM) and surface to air (SAM) missiles. MTP was constructed, at Site E, as part of the Project Seabird Phase I for meeting the essential requirements of the number of ships presently based at Karwar and needs to be augmented to meet the requirements associated with the missile outfits of newer ships and submarines planned to be based at Karwar.

1.5 **Naval Armament Inspectorate (NAI)** consists of administrative and technical facilities and a Rocket Motor Static Firing Facility. The NAI is required to be constructed in Phase IIA at Site E, in close proximity to the existing NAD and MTP facilities. The NAI facility will also have a satellite unit located in Site A catering to a large number of modern weapon carrying platforms that will be based at Karwar.

1.6 **Common Facilities Area (CFA)** at Site E was developed as part of Project Seabird Phase I, for supporting the non explosive functions of NAD, MTP and NAI in one common area to avoid creation of similar facilities / amenities in each of the locations and to prevent non-technical staff from accessing the classified areas, whilst also adhering to the distance regulations as stipulated.

2. Objectives

2.1 **Naval Air Station (NAS).** The planning for NAS has been progressively refined over time by studies including REDECON NEDCO report, RITES report and reviews by the Airport Authority of India (AAI). In Nov 2009, the contract for preparation of the Detailed Project Reports (DPRs) for Phase IIA was concluded with an Australian firm M/S Sinclair Knight Merz (SKM). The DPRs, which also include the development of the Naval Air Station at Karwar, have been submitted by the consultant. Development of NAS will involve construction of a full fledged airfield with associated infrastructure and a wide range of facilities. The envisaged NAS is intended to meet the following Objectives:-

- (a) Provide self contained airfield to support the operations of SRMR aircraft and Helicopters by day and night from the Naval Air Station, Karwar.
- (b) Support transit operation of military aircraft belonging to Indian Air Force and Indian Army.
- (c) Provide limited diversionary facilities to aircraft operating from nearby airfields.
- (d) Provision for expansion in future catering to the requirement of operation of the civil/ commercial aircraft.
- (e) Provide requisite facilities for all the necessary operational, training and logistic support to air squadrons which will be based at NAS.
- (f) Provide residential facilities and associated township infrastructure for the large number of Naval officers, sailors and civilian staff employed at the Naval Air Station.
- (g) Provide adequate Communication, IT and security facilities required for the efficient operation, management and security of the sensitive Naval Air Station.
- (h) Provide power supply, water distribution system, fire fighting facilities and sewage treatment plant etc.

2.2 **Naval Armament Depot (NAD)** needs to be suitably augmented to cater for the increased ammunition requirements for a large fleet based at Karwar. Power supply, water distribution system and fire fighting facilities are required to be provided at the location of NAD, MTP and NAI.

2.3 **Missile Technical Position (MTP)** needs to be augmented to meet the requirements associated with the missile outfits of newer ships and submarines planned to be based at Karwar.

2.4 **Naval Armament Inspectorate (NAI)** is required to be constructed in Phase IIA at Site E, in close proximity of the existing NAD and MTP facilities. The NAI will also have a satellite unit located in Site A to cater for ship front support to a large number of modern weapon carrying platforms that will be based at Karwar.

2.5 **Common Facilities Area (CFA)** needs to be developed further to cater to a larger number of ships that are planned to be based at Karwar on completion of Phase II A.

3. Purpose

3.1 Requirement.

3.1.1 The construction of a Naval Air Station is a major requirement of Project Seabird Phase IIA. The design and construction of airfield has to comply with numerous standards as laid down in the ICAO publications, Orders for the Air Arm of the Indian Navy (INAP 2), DARA circulars other orders issued by AAI, Scale of Accommodation for Defence Services (SADS) and Naval Magazine and Explosive Regulations (NMER).

3.1.2 The construction of additional facilities and augmentation of the existing NAD, MTP and NAI is an essential requirement of Project Seabird Phase IIA. Design for new facilities and modification of the existing facilities will have to comply with numerous standards laid down in STEC , Naval Magazine and Explosive Regulations (NMER) and Center for Fire Environment and Explosive Safety (CFEES) guidelines.

3.2 Accordingly, the purpose of this Expression of Interest (Eoi) is to enable short-listing of reputable and capable design consultants with proven track record, who could be appointed as a Design Consultant for Naval Air Station and Armament Storage Facilities (**DC-NAS and Armaments Storage Facilities**) required to be constructed in Phase IIA of Project Seabird.

3.3. A detailed Request For Proposal (RFP) will be subsequently issued to the short-listed firms and proposals evaluated as per extant Government of India guidelines for the selection/ appointment of the DC-NAS and Armament Storage Facilities.

4. Technical Details of the Project Phase IIA

4.1 Duration

4.1.1 **Naval Air Station, Armament Storage Facilities** and associated residential accommodation, power supply, water supply and firefighting services under the Project Seabird Phase IIA are planned to be designed and constructed along with other work packages, which are expected to be progressed simultaneously, to ensure the operational availability of all essential facilities at sites 'C' and 'E' in **approximately four-five years**, with the work on some of the lesser important facilities extending for another two/ three years thereafter.

4.2. Scope of Works

4.2.1. The **Naval Air Station** will be located at Site C1 at Karwar and the following facilities will be included:-

- (a) Main Runway 15/33- 2,000m x 45m, PCN 63 (for a subgrade Category "D"). The final subgrade category will be determined once the geotechnical studies are completed. This runway will have Precision Approach Category CAT I in the 33 direction and non precision approach in the 15 direction.
- (b) Cross runway 04/22– 1,000m x 30m, PCN 30.
- (c) Parallel taxiway for Runway 15/33- 2,000m x 23m, PCN 63. Link taxiways x 4 PCN 63, and two rapid exit taxiways (nominal 23m width) PCN 63.
- (d) Runway link taxi tracks – 23m width – 03 Nos. for runway 04/22 PCN 63 and 3 Nos. runway 15/33 PCN 30 – 18m width.
- (e) Hangars – 09 No's. (03 Nos. Ht: 15m, 03 Nos. Ht: 12.5m, 03 Nos. Ht: 09m) and 07 hangar taxiways.
- (f) Ordnance loading apron and taxiway.
- (g) ATC tower building.
- (h) MET building (with Ground Based and Upper Air Observatory).
- (j) All associated operational, admin, storage, fuelling system, security facilities and services, including power, water, fire fighting sewage, etc.
- (k) Navigational aids including Radar (SSR/ASR)/ CADF/ AFLS/ ILS/ DVOR/DME & PAPI for both runways, airfield lighting and communication facilities.

(l) Residential facilities including Officers Mess & Single Sailors accommodation.

(m) Other infrastructure including boundary wall, watch towers, drainage, roads, culverts, flood mitigation measures, electrical substation and lighting of the complete air station.

(n) Requisite land development and earth leveling work.

4.2.2 Upgrading the NAD to include the following facilities:-

(a) Modifications to the Administrative and Technical Complexes.

(b) Construction of Additional magazines.

(c) Construction of workshops for ammunition, missiles, mines, torpedoes, etc.

4.2.3 Upgrading the MTP to include the following facilities:-

(a) Modifications to the Administrative and Training Facilities.

(b) Construction of Battery Shed, Special Vehicles garage and Effluent Treatment Plant.

4.2.4 Construction of the Naval Armament Inspectorate to include the following facilities:-

(a) Rocket Motor Static Firing Facility.

(b) Test facilities.

4.2.5 Construction in the Common Facilities Area to include the following facilities:-

(a) Modification in the existing Complexes at CFA.

(b) Amenities for officers and Staff.

(c) Workshop and Stores of NAD.

(d) Modifications to the Fuel Dispensing area and Station.

(e) Construction of Administrative Building for NAI.

(f) Other infrastructure including boundary wall, watch towers, drainage, roads, culverts and flood mitigation measures at Sites C and E.

4.2.6 Construction of certain buildings, facilities, firefighting apparatus and other works defined by Project Management Consultant (PMC) at sites C/E.

4.3. Coordination.

4.3.1 The project is hiring a "Project Management cum Marine Works Consultant (PMC cum MWC)" for overall coordination of project activities and execution of Marine Works under Phase IIA. All the designs proposed by the Design Consultants of individual work packages shall be vetted by the PMC cum MWC.

4.3.2 Separate Design consultants (Design Consultants-DC) will be appointed for undertaking detailed design of each work package of the Phase

IIA works at Naval Base Karwar. Each package will thereafter be tendered for construction. **The Design Consultants will be required to work in close coordination with the Project Management Consultant** in the selection of the contractors and contract management of the construction work, for which they have undertaken the detailed design. The Design Consultant will also be responsible for the contract management, day-to-day administration and monitoring of their respective work packages during the construction phase.

4.4 **Site Studies.**

4.4.1 Site topographic data and weather related information is partly available.

5. **Scope of the Consultancy being sought.**

5.1 It is envisaged to appoint a Design consultant for the development of Naval Air Station and Armament Storage Facilities as part of Phase IIA of Project Seabird. The Consultant is expected to undertake the following tasks:-

(a) Carry out complete detailed design and prepare detailed design drawings and specifications, prior to tenders being called for. The preliminary design as brought out in DPR will form the basis for the development of the **Naval Air Station and Armament Storage Facilities.**

(b) Manage and monitor the capital cost during the design and construction phase as per the budget cost estimate worked out in DPR by appointing a suitable cost planning consultant.

(c) Prepare TOR/ tender documents for selection / appointment of **NAS and Armament Storage Facilities** work contractor(s). He will be responsible for site supervision, quality assurance, certification of work/ bills, monitoring/ review of work, guarantee liabilities, etc.

5.2 The indicative envisaged roles of the Design Consultant are enumerated at Appendix A.

6. **Eligibility Criteria**

6.1 **Minimum Eligibility Criteria.** In order to qualify, the **DC-NAS and Armament Storage Facilities** should satisfy the following minimum eligibility criteria and submit the supporting documentation.

6.2 **Experience.** The Design Consultant is required to possess necessary experience to undertake the tasks of Project Design and Project Cost Management. Therefore, the consultant must have undertaken the following **tasks** during the last 07 years:-

(a) At least one task entailing Airport Design Consultancy Services involving design & cost management of similar project listed in Paragraph 4.2 above with a minimum project cost of Rs 500 Cr

AND

(b) At least one task entailing Armament Storage Facilities Design Consultancy Services involving design & cost management of similar project listed in Paragraph 4.2 above with a minimum project cost of Rs 90 Cr

With the Project fee as mentioned below:

(i) Three similar design consultancy contracts costing **not less than INR 36 Cr** (or equivalent in foreign currency),

OR

(ii) Two similar design consultancies contracts costing **not less than INR 45 Cr** (or equivalent in foreign currency),

OR

(iii) One similar design consultancy contract costing **not less than INR 72 Cr** (or equivalent in foreign currency).

6.3 **Available Expertise.** An indicative list of personnel expected to be employed on the Project for varying durations is placed at Appendix B. The Consultant **should have all key personnel** listed at Appendix B, on their regular employee roll.

6.4 **Financial Strength.** The Consultant shall have an average annual turnover of **INR 27 Crores (or equivalent in foreign currency)** in consultancy assignments during the preceding three years, ending 31 Mar 2013.

7. Instruction to Consultants/Firms

7.1. Applicants meeting the eligibility criteria may submit their Expression of Interest with relevant details, as per the formats at Annexure I to IV, along with a covering letter on their official letter-head duly signed by their authorised executive/representative.

7.2. There is no registration fee payable at the time of submitting the EoI.

7.3. Applicants shall submit the Expression of Interest in a sealed envelope marked '**Expression of Interest – DC NAS and Armament Storage Facilities –**

Project Seabird Phase IIA' to DG Project Seabird, West Block-5, RK Puram, New Delhi-110605 **on or before 15 Nov 13**, along with all supporting documents in both hard and soft copies. Submissions received after that date and time will not be considered. Incomplete submissions will also not be considered.

7.4 EOI/ documents submitted through e-mail or fax shall only be considered as advance intimation and ink-signed documents are required to be physically submitted by the appointed time and date as at Para 7.3 for final evaluation/ short-listing.

7.5 DG, Project Seabird reserves the right to accept or reject any of the Eoi without assigning any reason anytime or incurring any liabilities towards the firms. Submission of the Eoi shall not automatically make the applicant eligible to receive the Request for Proposal.

7.6 DG Project Seabird will treat the completed EOI forms as confidential. Materials submitted by the firms will not be returned whether the interested party's application is successful or not.

7.7 Successful short-listed firms will be subjected to security clearance by the Government of India for eligibility to participate in the subsequent bidding process.

7.8 Further updates would be posted on website www.indiannavy.nic.in. For any clarifications firms may contact:-

The Director General, Project Seabird
West Block-5, RK Puram
New Delhi-110605

7.9 Wrong or misleading information will lead to disqualification.

8. EOI Submission Format

8.1. The required information is to be provided as per the following format given at Annexures-I to IV:-

- | | | |
|-----|---------------------------|----------------|
| (a) | General Particulars | (Annexure-I) |
| (b) | Consultancy Undertaken | (Annexure-II) |
| (c) | Financial Capacity | (Annexure-III) |
| (d) | Key Personnel Particulars | (Annexure-IV) |

**ENVISAGED ROLES OF THE DC NAS AND ARMAMENT
STORAGE FACILITIES CONSULTANT**

1. The Consultant would be required to adequately appraise himself of the Project Seabird Master Plan, DPR's and other relevant documentation available with Project Seabird including the various available geophysical study reports.
2. The Consultant will also be required to have suitable design staff on site during the site supervision/contract administration stage so that design queries can be addressed quickly and any design-related proposals from Contractor can be efficiently handled, without delay. The Consultant will be required to proactively investigate possible cost savings due to design modifications, throughout the construction stage, in conjunction with the Contractor. The Contractor will in turn be encouraged to look for further cost savings during the construction phase and basis for sharing of such savings between Navy and the Contractor will be considered.
3. The Consultant will also be required to administer the construction contract and to carry out all the duties of the Employers Representative including ensuring the Contractor meets all safety and quality requirements, issuing site instructions, managing progress to program, including attending monthly meetings (as required by Project Seabird) and advising Project Seabird in relation to requests for Extensions of Time(EOT), alterations/additions/variations to contracted works and financial claims.
4. The Consultant will be required to undertake an obstacle survey and its analysis to confirm runway locations and alignment with regard to Obstacle Limitation Surface (OLS) and Procedures for Air Navigation Services –aircraft operations (PANSOPS) clearances. The detailed design must be modified to take account of any findings from the surveys and investigations.
5. The Consultant will be required to develop the Concept Design and prepare the Preliminary Design, Final Design, Specification and detailed Bill of Quantities for the development of the NAS and Armament Storage Facilities. He will be required to undertake the Investigatory Works which must include survey of the Obstacle Limitation, surfaces and realignment of the runways and amendment to the airport layout, if required, detailed site survey, identification of existing utilities and coordination with all relevant Authorities and Stakeholders.
6. The design consultant will assemble a team to include all relevant design consultants for the detailed design of the facility, including specialist providers of navigational aids, radar, control tower fit out, magazines and airfield lighting and other specialist designers as required.
7. Undertake all necessary investigations including geotechnical, environmental and survey to supplement existing available information. Terrain induced wind turbulence is to be assessed as part of the design process. The geotechnical investigation must address foundation stability, chemical analysis of ground water and soil samples (for acid sulphates and presence of chlorides) and design of cut

and fill slopes. If required stabilization measures must be incorporated into the design (including consideration of seismic loadings applicable to the site). The scope will include any redesign resulting from the site investigations and off site surveys and consultation with approving authorities.

8. In consultation with the Indian Navy and Airports Authority of India, and (preferably also the State Government and Local Councils) the consultant will be required to confirm the runway alignments relative to surveyed obstacles and confirm the location and category of the various navigational aids, radar, Met, ATC and fire rescue station, and the extent of earth works to remove terrain infringements and to site the various navigational and other aids. He will also confirm with IOC the proposed fuel depot and fuel hydrant distribution system. He will incorporate the issues/ concerns raised by State Government and Local Council in relation to aircraft noise, provision of off- site utilities to service the development and land use planning restrictions to ensure continued compatibility of off- airport development with the safe and effective operation of the airport.

9. Prepare revised airport development concept plan and based on the findings of the site survey and geotechnical studies prepare a master grading for the development, optimising earthworks and drainage.

10. The Consultant will be required to identify and assist with procurement of the long term lead items.

11. The responsibility of the Consultant will include all conduiting, cabling, built in equipment and all associated coordination with other discipline designers of the Project Seabird.

12. The Design Consultant will be required to consider broader issues which will need to be reflected in the construction contract documentation including matters relating to the site management planning including:-

(a) Clearly designated and defined work areas and access routes to each package site so as to minimise any disruption to ongoing base activities.

(b) Clearly defined high level safety and base security rules and guidelines (during construction).

(c) Processes for bulk materials control (including haulage routes) including handling during monsoon and high humidity periods.

(d) Processes to manage the supply of quarry products noting the large volumes involved and the lack of suitable quarries.

(e) Sites for the location of labour camps together with guidelines on the operation of these camps.

(f) Processes requiring contractors to meet or otherwise work with adjacent contractors as necessary to coordinate such aspects as access, safety, movement through each other's site etc so as to avoid conflicts, delays and cost over-runs which may otherwise result.

(g) Requirements with respect to preparation and compliance with Environmental Management Plans to achieve consistent and compliant processes for environmental management during construction.

(h) Consistent requirements for document control and information management throughout the contract.

13. The Design Consultant will be required to include commissioning and handover requirements in the contract documents including:-

(a) Clearly defined requirements in specifications for detailed testing and commissioning of facilities including witnessing by consultants and the Navy. To include the provision of signed (by the contractor) completed Inspections and Test Plans (ITPs) and where applicable Factory Acceptance Tests (FATS).

(b) Clearly defined requirements on the contractor to train maintenance providers and users in operation and maintenance.

(c) Clearly defined requirements for the provision of fully detailed operation and maintenance manuals and as-constructed drawings, and not just manufacturer's brochures.

(d) Interactive (contractor, consultants and Navy) planning and implementation of testing, commissioning and training. He will ensure contractors plan and arrange testing, commissioning and training many months before these activities actually commence. He will institute a clearly documented process of handover from the contractor to the user.

(e) A clear listing of spares provision and the mechanism for handling and storage of these spares.

(f) Contractual provisions which don't recognise completion until all suitable and acceptable documentation has been provided by the contractor. It should include:-

(i) Completed ITPs.

(ii) All inspection and test results.

(iii) Operation and Maintenance Manuals.

(iv) As-constructed drawings (preferably validated as correct by an independent third party).

(v) Contractors and Manufacturers Warranties.

INDICATIVE LIST OF KEY PERSONNEL

1. Prospective design consulting firms shall provide details of the key personnel listed in the tables below. The list is indicative and additional details will be provided whilst tendering.

SI	Discipline	Qualification	Total Experience (in Yrs.)
A	Chief Design Consultant	Masters/Bachelor Degree in Civil Engineering/Architecture	12 years experience in technical planning / design / construction of significant airfield infrastructure projects of similar nature and magnitude
B.	Consultants Design Manager	Bachelor Degree in Civil Engineering	10 years experience in planning / design / construction of airfield/NAD/MTP/NAI structures for infrastructure projects of similar nature and magnitude
C.	Technical Director- Airfield Engineering	Bachelor Degree, Engineering	10 years experience in planning / design / construction of Airfield/NAD/MTP/NAI works including quarrying.
D.	Airfield Design Engineers/ Project Engineers (3 nos.)	Bachelor Degree in Civil/Electronics/Electrical Engineering	8 years experience in planning / design / construction/ project management of airfield /NAD/MTP/NAI infrastructure of similar nature. One engineer should have experience of handling airfield equipment.
E.	Project Scheduler	Bachelor Degree in Engineering	8 years experience of which at least 3 years scheduling experience
F.	Quantity Surveyor	Graduate in Quantity	8 years experience of which at least 3 years QS experience

SI	Discipline	Qualification	Total Experience (in Yrs.)
		Surveying	
G.	Manager-Contracts, documentatation and Procurement	Bachelor Degree in Engineering Post Graduate or equivalent in Contract Management/ Business Administration / Related Discipline	6 years experience in Contract Management and Formulation of Project Documentation/ Tender Documentation, etc.
H.	Cost Manager	Graduate in Engineering/ Quantity Surveying/ Cost Control	10 years experience of which at least 5 years cost management experience in relevant large projects
I.	Safety and Environment Specialist	Graduate in Engineering	10 years in safety/ environment engineering

GENERAL PARTICULARS

1	Title of Consultancy	Design and Cost Management
2	Title of Project	Naval Air Base/NAD/MTP/NAI
3	Name of Company	
4	Technical status (Pvt Co., Pvt Ltd Co., Jt venture, etc.)	
5	Country of incorporation	
6	Registered address	
7	Year of incorporation	
8	Year of commencement of business	
9	Principal place of business	
10	Brief description of the Company & its main business	
11	Particulars of Chief Design Consultant	
	(a) Name	
	(b) Designation	
	(c) Address	
	(d) Telephone No.	
	(e) E-mail I.D.	
	(f) Fax No.	
	(g) Mobile No.	
12	Particulars of Authorised Signatory for the Applicant	
	(a) Name	
	(b) Designation	
	(c) Address	
	(d) Telephone No.	
	(e) E-mail I.D.	

	(f)	Fax No.	
	(g)	Mobile No.	
13	In case of foreign Co.		
	(a)	Is there a business presence in India? If so, provide the office address(es) in India.	Yes/ No
	(b)	Clearance from Govt of India for undertaking Defence Projects	Yes/ No
14	Has the applicant been penalized by any organisation for poor quality of work in the last ten years?		Yes/No
15	Has the Applicant ever failed, in last ten years, to complete any work awarded to them?		Yes/ No
16	Has the Applicant been blacklisted by any Govt Department/ PSU in the last ten years?		Yes/ No
17	Has the Applicant suffered bankruptcy/ insolvency in the last ten years?		Yes/ No
18	Does the Applicant's Co. function as a contractor and/ or a manufacturer in addition to consultancy?		Yes/ No
19	Does the Applicant intend to temporarily hire personnel from contractors, manufacturers or suppliers for advisory services?		Yes/ No
20	Details of Ongoing Consultancy		
	(a)	Name of Project & Location`	
	(b)	Scope of Project (Incl highlights)	
	(c)	Estimated & Final cost of project	
	(d)	Client's name, Address, Tele No. Fax No. & E-mail ID	

(e)	Consultancy & Services provided by applicant		
(f)	Value of consultancy		
(g)	Key personnel involved in consultancy (their names, qualifications & experience).		
(h)	Start date and likely end date of consultancy		

I, _____ - do certify that the above details are correct and incorrect/ suppression of information by me at any stage would disqualify my bid/ tender.

Date :

Signature
Name

Designation

Seal

CONSULTANCY UNDERTAKEN

1	Name of Applicant	
2	Name of Project & Location	
3	Scope of Project (Inc highlights)	
4	Estimated & Final cost of Project	
5	Client's name, Address, Tele No. Fax No. & E-mail ID	
6	Consultancy & Services provided by applicant	
7	Value of consultancy	
8	Key personnel involved in consultancy (their names, qualifications & experience).	
9	Start date and end date of Consultancy	

Note:-

- (1) Use separate sheet for each eligible project.
- (2) Attach additional pages for scope of project/ consultancy provided with necessary documentary evidence.

Date :

Signature
Name

Designation

Seal

FINANCIAL CAPACITY

Sl	Financial Year	Annual Turnover for Airfield Consultancy (Rs in Millions)
1	2012-13	
2	2011-12	
3	2010-11	

Certificate of Auditor

This is to certify that _____
(name and address of the applicant) has an annual turnover as indicated at column 2 above for the three preceding financial years ending 31 March.

Date

Signature
Name
Designation
Name & Address
(Auditing Agency)

Seal

Tel No-

KEY PERSONNEL PARTICULARS

1	Name	
2	Nationality	
3	Designation	
4	Date of Birth	
5	Years of service in present Organisation	
6	Qualifications	
7	Total experience with employment dates (Mention tenures abroad)	
8	Academic & professional affiliations	
9	Languages known (written/ oral)	

Note : Use separate sheet for each category of 'Key Personnel'.

Date

Signature
Name
Designation
(Individual's)

Seal