

DIRECTOR GENERAL PROJECT SEABIRD
IHQ-MOD(NAVY)

INVITES

EXPRESSION OF INTEREST

FOR

TECHNICAL CONSULTANCY SERVICES
FOR PHASE IIA OF PROJECT SEABIRD

24 FEB 2012

MINISTRY OF DEFENCE

DIRECTOR GENERAL PROJECT SEABIRD CONSULTANCY SERVICES FOR CREATION OF INFRASTRUCTURE AND AUGMENTATION OF FACILITIES ON THE WEST COAST

EXPRESSION OF INTEREST FOR CONSULTANCY SERVICES

1. Indian Navy IHQ-MoD (Navy) proposes to augment the existing operational, maintenance, logistics and other support facilities at the Naval Base at Karwar to provide for the basing, operation and support of additional capital ships/ submarines, associated seaward defence/ support/ yardcraft and shore as well as ship based aircraft. The purpose of this Expression of Interest (EOI) is to enable short-listing of reputable and capable consulting firms/ institutions/ consortiums, etc. with proven track record, which could be appointed as a Project Management Consultant cum Marine Works Design Consultant (PMC & MWC) for Phase IIA of Project Seabird. Phase IIA is expected to be completed in a time duration of 10 years.
2. The selected Consultant (or Consortium of Consultants) would have to undertake following tasks:-
 - (a) **Project Management** of complete Phase IIA works packages involving review of DPRs, preparation of Terms of Reference/ tender documents for selection/ appointment of Work Packages design consultants/ contractors, technical review of detailed design prepared by Package Design Consultants (as required), monitoring of Master Cost and Time Plans, review performance of Package Design Consultants/ contractors and advise Project Seabird as required. Proposed infrastructure would include Marine Work, Dockyard, Naval Air Station, Logistics, armament facilities, accommodation, township etc.
 - (b) **Detailed Design and planning of Marine Works/ Structures**, which includes dredging, reclamation, quarrying, piers construction, Nav aids, related services/ facilities and water front security, involving detailed design of marine works, preparation of TOR/ tender documents for selection/ appointment of marine work contractor(s), site supervision, quality assurance, certification of work/ bills, monitoring/ review of work, guarantee liabilities, etc.
3. Reputed Consultants/ Consortiums having capabilities and past experience, proven track record, adequate technical and financial resources in undertaking similar works in the specialized field of Project Management and Marine Works Design who wish to be appointed as PMC & MWC to the Project should submit their Expression of Interest with relevant details, on or before 21 Mar 12 to **'The Director General, Project Seabird, West Block-5, RK Puram, New Delhi-110605.'**
4. Interested parties may collect Expression of Interest (EOI) form, from the office of 'The Director General, Project Seabird, West Block-5, RK Puram, New Delhi-110605.' Form is also available on website www.irfc-nausena.nic.in.

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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 vessels, for which basing facilities have been created, are already operating out of the Naval Base.

1.2 The Indian Navy, in Project Seabird Phase IIA, now proposes to augment the existing operational, maintenance, logistic and other support facilities at the Naval Base at Karwar to provide for the basing, operation and support of additional capital ships/ submarines, associated seaward defence/support/yard craft and shore as well as ship based aircraft. The land required for the planned expansion/development is already in the possession of the Indian Navy.

2. Objectives of Phase IIA

2.1 Project Seabird Phase IIA works will involve construction of a wide range of new facilities and augmentation of certain existing facilities involving an outlay of over Rs 10000 Crs (approx 2.2 Bn USD). Detailed Project Reports (DPRs) have been made and the required facilities have been divided into various work packages based on nature of work, expertise required and location. The envisaged facilities are intended to meet the following Project Objectives:-

- (a) Provide requisite berthing and operational Fleet Base facilities/ complexes for the operation, administration and Command & Control of over 30 capital warships/submarines, associated seaward defence and support/ yard craft at the Naval Base, Karwar.
- (b) Augment available facilities for dry berthing of ships and provide Dockyard repair/maintenance facilities (up to level IV) for the warships, submarines/other craft based at Karwar and support (up to level II) for other visiting warships/submarines.
- (c) Provide requisite facilities for all the necessary operational and logistic support to ships, submarines and various units based at Karwar including those related to the armament requirements of the units based at Karwar.
- (d) Establish a Naval Air Station at Karwar for basing and operation of fixed and rotary wing ship/shore based military aircraft.

(e) Provide residential facilities and associated township infrastructure for the large number of Naval officers, sailors and civilian staff employed at the Naval Base. This includes substantial augmentation of the existing Naval Hospital.

(f) Provide adequate Communication, IT and security facilities required for the efficient operation, management and security of a large and widely spread Naval Base.

3. Purpose

3.1 The DPR for Phase IIA of the Project has identified Marine Works as a critical activity of the Project in order to adhere to the project timeframe desired by the Indian Navy.

3.2 Accordingly, the purpose of this Expression of Interest (EoI) is to enable short-listing of reputable and capable consulting firms/institutions/consortiums, etc. with proven track record, which could be appointed as a Project Management Consultant cum Marine Works Design Consultant (PMC & MWC) for 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 PMC & MWC.

4. Technical Details of The Project Phase IIA

4.1 Duration

4.1.1 The Project Seabird Phase IIA facilities are planned to be designed and constructed under various work packages, which are expected to be progressed simultaneously, to ensure the operational availability of all of essential facilities in approximately eight 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 main work packages are broadly described as follows:-

(a) **Marine Works** includes:-

(i) Dredging of over 80 million cum in the existing harbour area/approaches, reclamation of over 50 Ha of land and substantial associated revetments.

(ii) Construction of additional piers/jetties to provide approximately 4 km of berthing space for vessels along with associated network of utilities ducts and provision of a variety of shore services (such as fuel, power, fresh/sea/fire fighting water, HP/LP air, chilled water/air, sewage collection and disposal, shore communications/networking etc) to vessels berthed alongside.

(iii) Quarrying for approximately 4 million cum of stone aggregates within the Project area.

(iii) Setting up of navigation aids for safe movement of vessels in the Naval Harbour and its approaches.

(b) **Fleet Base Buildings** includes:-

(i) Construction of complexes/offices for the operation, management, logistic and maintenance support facilities (up to second line/ I level) to ships/ submarines; Naval Communication Transmission/ Receiving stations; centralised monitoring/control of overall security within the Naval Base.

(ii) Provision of civil works and equipment related to the general and specialist facilities detailed above, as required for the operation, command & control/administration of a fully operational Naval Base and the Fleet based therein.

(c) **Dockyard** includes:-

(i) A comprehensive Dockyard capable of undertaking up to IV level/deep repairs/maintenance of gas turbine and diesel engine propelled ships & submarines

(ii) Various workshops equipped with necessary equipment, jigs, fixtures, tools and facilities to undertake refit of hull, engineering, electrical, weapons and control equipment / systems of various vessels.

(iii) Complexes/facilities for planning, management, administration, logistics, training, security, communication & IT, design/relocation of some existing facilities.

(d) **Dry Berths.** A 10,000 Tonne Ship-lift with limited numbers of Dry Berths already exist at Karwar. This is to be augmented with development/ construction of additional covered Dry Berths, Transfer Bay and associated equipment/services.

- (e) **Naval Air Station.** This includes:-
- (i) Development of a Naval Air Station in a 52 Hectare hitherto virgin area for operations/maintenance and support of fixed/rotary wing aircraft.
 - (ii) The above includes runways, hangars, ATC tower, navigation aids, MET facilities, equipment, offices, accommodation, logistic support, communication, IT, security, services, roads and flyovers.
- (f) **Armament Facilities** includes:-
- (i) Augmentation of specialised facilities for storage/maintenance/testing and inspection of various types of ammunition
- (g) **Residential Facilities.** These include the following:-
- (i) Accommodation and other associated administrative and sports/recreational facilities to be developed as self-contained fully integrated townships in three different locations for married and single officers/ sailors/ civilian personnel.
 - (ii) Upgrading the existing 140-bed hospital to a 400-bed hospital with augmented facilities.
- (h) **Other Infrastructure Works** include:-
- (i) Roads, Bridges, Flyovers.
 - (ii) Power supply facilities/reticulation.
 - (iv) Trunked water supply, water storage/distribution networks.
 - (iv) Sewage/garbage, treatment and disposal systems/networks.
 - (v) Other associated facilities/services as required for the development and the support of a large Naval Base.
 - (vi) Flood protection and hill slope protection/stabilisation works; Environmental Park; Railway siding and site field investigations
- (j) **Security, Communications & IT:** Facilities to ensure security against various types of threats. IT/LAN based internal/external communications throughout the widely spread geographical area of the Base.

4.3. **Coordination.**

4.3.1. It is envisaged that the Marine works, Base wide Security works and Base Wide Communications & IT works will be addressed by the PMC & MWC. All other packages will be clubbed into discrete work packages and separate Design consultants (Package Design Consultants) will be appointed for undertaking detailed design of each work package. Each package will thereafter be tendered for construction. **The Package Design Consultants will be required to work in close coordination with the Project Consultant** in the selection of the contractors and contract management of the construction work, for which they have undertaken the detailed design. The Package 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 data of bathymetric, geotechnical, soil investigation, topographic and weather related information obtained during construction of Phase I facilities are available. In addition, studies to re-establish marine baseline data, hydraulic model studies, Quarrying Mine Plan, etc. are being undertaken through reputed agencies and reports would be available prior to commencement of Phase IIA work.

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

5.1 It is envisaged to appoint a Project Management Consultant-cum-Marine Works Design Consultant (PMC & MWC) for Phase IIA of Project Seabird. The Consultant is expected to undertake the following tasks:-

(a) **Project Management** of complete Phase IIA works packages (hereafter this role is referred to as **Project Management Consultant (PMC)**) involving review of DPRs, preparation of Terms of Reference/tender documents for selection/ appointment of Work Packages design consultants/ contractors, technical review of detailed design prepared by Package Design Consultants(as required), monitoring of Master Cost and Time Plans, review performance of Package Design Consultants/ contractors and advise Project Seabird as required. Phase IIA is expected to be completed in a time duration of 10 years

(b) **Detailed Design and planning of Marine Works/Structures**, which includes dredging, reclamation, quarrying, pier construction, nav aids, related services/ facilities and water front security (hereafter this role is referred to as **Marine Works Package Design Consultant (MWC)**),

involving detailed design of marine works, preparation of TOR/ tender documents for selection / appointment of marine work contractor(s), site supervision, quality assurance, certification of work/ bills, monitoring/ review of work, guarantee liabilities, etc.

5.3. The indicative envisaged roles of the Consultant as PMC and the MWC are elaborated at Appendix A.

6. Eligibility Criteria

6.1 **Minimum Eligibility Criteria.** In order to qualify, the Consultant should satisfy the following minimum eligibility criteria and submit the supporting documentation.

6.2 **Experience.** The Consultant is required to possess necessary experience to undertake both the tasks of Project Management Consultant and Marine Works Package Detailed Design. Therefore, the consultant must have undertaken at least one of the following **tasks** during the last 07 years:-

(a) At least one task entailing similar major marine consultancy services involving design & construction listed in Paragraph 4.2.1(a) above with a minimum project cost of Rs 1000 Cr

and

(b) At least one task entailing Project Management of works similar to one or more of the work packages listed in Paragraph 4.2.1(b) to (j) above with a minimum project cost of Rs 1000 Cr.

With the project fee as mentioned below:

(i) Three separate consultancy contracts with the combined value of the three consultancies not be less than INR 100 Cr (or equivalent in foreign currency),

OR

(ii) Two consultancies contracts with the combined value of the two consultancies not be less that INR 125 Cr (or equivalent in foreign currency),

OR

(iii) One consultancy contract with the value of the consultancy not be less that INR 200 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 at least twelve categories of key personnel from those listed at Appendix A, on their regular employee roll.

6.4 **Financial Strength.** The Consultant shall have an average annual turnover of **INR 80 Crores (or equivalent in foreign currency)** in consultancy assignments during the previous three years, ending 31 Mar 2011.

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 Annexures 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 – PMC & MWC – Project Seabird Phase IIA**' to DG Project Seabird, West Block-5, RK Puram, New Delhi-110605 on or before 21 March 2012, 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.

7.5. 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.

7.6. 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.

7.7. 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.

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

7.9. 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

7.10. 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 CONSULTANTS

Project Management Consultant

1. The Project Consultant would be required to adequately appraise the Project Seabird Master Plan, DPR's and other relevant documentation available with Project Seabird including the various available hydrological, geotechnical and geophysical study reports.
2. To ensure the efficient and effective management of the Phase IIA works, the Project Consultant shall be required to assist Project Seabird in the following:-
 - (a) Preparation (in consultation with Indian Navy) a detailed Work Breakdown Structure (WBS) for the project.
 - (b) Preparation of the Terms of Reference (TOR) and tender documents for the selection /appointment of the various other Package Design Consultants and Contractors.
 - (c) Prepare comprehensive Risk Management Plan and Health and Safety Plan for the overall project.
 - (d) Preparation of a comprehensive Site Management Plan to control and coordinate the activities of the Package Design Consultants and Contractors.
 - (e) Pre-qualification of consultants, including the preparation of pre-qualification criteria/ marking system, pre-qualification reporting and preparation of the recommendation list of prequalified consultants, for each package.
 - (f) Selection and appointment of consultants, including preparation of briefs/ tender documents, review of submissions and recommendation of preferred consultant, for each package.

(g) Pre-qualification of contractors, including preparation of pre-qualification criteria/ marking system, pre-qualification reporting and preparation of the recommendation list of prequalified contractors, for each package.

(h) Selection of contractors, including preparation of the tender documents, tender reporting and the recommendation of preferred contractor, for each package. Recommendation of suitable agencies for undertaking “third party” design review and validation of the detailed designs undertaken by the Package Design Consultants. This however excludes the Marine works Package for which “third party” design review and validation will be undertaken by a competent agency nominated by the Indian Navy.

3. Undertake a high level technical review of the detailed designs prepared by the respective Package Design consultants before finalisation, to validate compliance with the intent of the DPRs and user requirements, and to ensure that the designs are appropriate and cost-effective.

4. Monitoring of the Master Cost and Time Plans for the Project to provide timely notification of any potential delays or budget over-runs, and provision of appropriate advice to Project Seabird to enable corrective action to be implemented in a timely manner to minimise adverse effect. The estimated completion cost of the Phase IIA works and expenditures incurred will need to be reviewed and updated periodically, to ensure funds released for the project are adequately utilised and additional requirements, if any, projected well in time.

5. Review, monitoring and managing the performance of consultants/ contractors engaged for different work packages, including attending monthly meetings (as required by Project Seabird) and advising Project Seabird in relation to requests for EOT (Extensions of Time), alterations/ additions/ variations to contracted works and financial claims.

6. Advising Project Seabird, on specialist project management and technical issues, to ensure that Phase IIA is completed to the required standards, program and budget. This would include investigating and reporting on possible design/ programme changes, which may save cost and/ or time.

7. Monitor compliance to Environmental Management Plan and Quality Assurance Plans for Phase IIA works by Package Design Consultants and Contractors.

8. Review specifications of common use equipment such as cranes, substations, water works, sewerage equipment, cabling, piping, etc. generated by the Package Design Consultants for their respective work packages, ensuring uniformity and standardisation, where required.

9. Undertake the detailed design of the Base wide Security facilities and Base wide Communications & IT works to the extent required by Project Seabird. Assist Project Seabird in the identification and procurement of suitable and/ or specialist equipment/ systems / devices and monitoring the installation and Base wide integration of all such equipment/ facilities, including associated conduiting, cabling, interfacing, etc. Further details on the extent of the assistance required will be provided in the RFP.

10. In respect to the Other Infrastructure Works indicated in Paragraph 4.2.1 (h) these works may be sub-divided and suitable elements clubbed with other major works packages. Some of these elements due to their complexity or high value may not be suitable for clubbing with other major packages and may require the engagement of specialist design consultants and/ or contractors. The Project Consultant is required to advise and assist DGSB in this regard.

11. Management of the commissioning and handover including providing recommendations on the in-service upkeep requirements of the facilities and equipment developed and procured under Project Seabird Phase IIA.

Marine Works Package Design Consultant Role

12. The Marine Works Package Design Consultant will be responsible for the detailed design and construction contract administration of the Marine works package of the project, while continuously working collaboratively and in coordination with the Project Consultant. The Marine Works Package Detailed Design will assemble a team to undertake the detailed design of the Marine works

package. The DPR design forms the basis for the preparation of the detailed designs. The broad descriptions of the tasks to be performed are as follows:-

13. Appraisal of the existing available hydrological, geotechnical, geophysical, bathymetric, etc information and undertake the additional investigations and surveys required relevant to the Marine Works Package.

14. Undertake the detailed design for the Marine Works Package including preparation of all of the detailed design drawings and specifications, prior to tenders being called for the respective construction contract packages including dredging, reclamation, revetments, piers, cranes and all services to piers. This includes preparation of the detailed architectural, structural, working/ constructional drawings and specifications including associated electrical, water supply, piping, sanitary, sewage and equipment/ machinery for the works. The structural and engineering drawings will need to be approved by an independent agency, further details of which will be defined in the RFP.

15. Preparation of the Bill of Quantities and Approximate Estimates (AE's) for the execution of the works. Safety in design and sustainability must be included in all design considerations.

16. Compile all technical documents essential for the short listing, selection and appointment of main contractor(s), sub-contractor(s), EPC agencies, machinery suppliers, etc and providing all necessary assistance associated with the selection and appointment to the Project Consultant and Project Seabird.

17. The Marine Works Package Design Consultant will 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 the Contractor can be efficiently handled, without delay. This includes proactively investigating possible cost savings due to design modifications, throughout the construction stage, in conjunction with the Contractor.

18. The Marine Works Package Detailed Design is required to undertake all activities related to the technical site supervision, contract management, cost checking/ controls, quality assurance/quality control, monitoring safety related

issues, equipment trials, finalisation/ certification of bills and overall co-ordination, and providing comprehensive contract administration services to administer the construction contract, including answering requests for information, issuing site instructions, managing progress with respect to program, valuing progress claims and assessing variations and claims for the extensions of time and cost, as required.

19. Revised cost estimates are required to be prepared and presented for review by Indian Navy during the design phase and progressively up to 100% completion of the detailed design documentation. After finalisation of the Marine Works Package cost, budget and expenditure spread, the Marine Works Package Detailed Design will be required to have suitable cost planning expertise to manage and monitor these costs during the construction phase and provide effective cost control throughout the delivery of the Marine Works package. It is expected that the Package cost will be regularly reviewed during the construction phase with mandatory reviews being undertaken at the 15%, 50% and 90% work completion stages.

20. Maintain all records properly to enable the compilation and handing over of the complete set of documentation as required by Project Seabird on completion of Marine Works Package.

21. Monitor the progress and taking pro-active measures for enabling the timely completion and the smooth commissioning/ handing over of the package.

22. Provide assistance in analysing issues that may arise during the defect liability period and recommend remedial measures. Review, monitoring and managing the performance of contractors, including attending monthly meetings (as required by Project Seabird) and advising in relation to requests for EOT (extensions of time) and financial claims submitted by the Contractor.

INDICATIVE LIST OF KEY PERSONNEL

1. Prospective 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.

2. **Project Consultant.**

SI	Discipline	Qualification	Total Experience (in Yrs.)
A	**Chief Consultant & Project Head	Bachelor Degree in Civil Engineering	20 years experience in project management, design and construction of significant infrastructure projects including marine structures / pier construction. 25 years as civil works consultant and should have experience in managing at least one multi-disciplinary infrastructure project.
B	**Consultant Design Manager	Bachelor Degree in Civil Engineering	17 years as civil works consultant and should have experience in managing at least 1 marine or airport or other large infrastructure project.
C	** Area Project Managers a) Marine Works b) NAS c) Building & Infrastructure (including Industrial and residential buildings)	Bachelor Degree Civil, Engineering Post Graduate in Civil engineering / Structures -Do- -Do-	15 years experience– 5 years as civil works consultant and should have experience in design/ construction of at least one marine works project 15 years experience– 5 years as civil works consultant and should have experience in design/ construction of at least one airport project (runways, hangars, etc) 15 years experience– 5 years as civil works consultant and should have experience in design/ construction of at least one infrastructure project of major ships repair facility

SI	Discipline	Qualification	Total Experience (in Yrs.)
D	** Technical Advisors a) Marine Works b) NAS c) Building and Infrastructure (including Industrial and residential buildings)	Bachelor Degree, Engineering Post Graduate in Civil engineering / Structures -Do- -Do-	15 years experience– 5 years as civil works consultant and should have experience in design/ construction of at least one marine works project 15 years experience– 5 years as civil works consultant and should have experience in design/ construction of at least 1 airport project (runways, hangars, etc) 15 years experience– 5 years as civil works consultant and should have experience in design/ construction of at least one infrastructure project of major ships repair facility
E	Consultant – Security	Bachelor Degree, Engineering	15 years experience in planning / design of large security installations including defence installations.
F	Consultant- IT and Communication	Graduate in Engineering	15 years experience in planning/design/integration of communication and IT system/ installation including Defence Installations
G	Architect	Bachelor Degree in architecture	20 years experience in projects of similar nature
H	Manager- Contracts, documentation and Procurement	Bachelor Degree in Engineering Post Graduate or equivalent in Contract Management/ Business Administration / Related Discipline	15 years experience in Contract Management and Formulation of Project Documentation/ Tender Documentation, etc.

SI	Discipline	Qualification	Total Experience (in Yrs.)
J	Cost Manager	Graduate in Engineering/ Quantity Surveying/ Cost Control	15 years experience of which at least 5 years cost management experience in relevant large projects covering one or more of the major works similar to being planned in Phase IIA.
K	Project Schedulers	Bachelor Degree Engineering	15 years experience of which at least 5 years scheduling experience of large projects covering one or more of the major works similar to being planned in Phase IIA.
L	QA/QC Engineer	Graduate in Engineering	10 years in QA/QC jobs covering one or more of the major works similar to being planned in Phase IIA.
M	Safety and environment Specialist	Graduate in Engineering	10 years in safety/ environment engineering

3. Marine Works Design Consultant.

SI	Discipline	Qualification	Total Experience (in Yrs.)
A	**Chief Consultant & Project Head	Bachelor Degree in civil Engineering	25 years experience in technical planning / design / construction of significant marine infrastructure projects of similar nature and magnitude
B.	Consultants Design Manager	Bachelor Degree in civil Engineering	17 years experience in planning / design / construction of marine structures significant marine infrastructure projects of similar nature and magnitude
C.	**Marine Engineering Technical Director	Bachelor Degree, Engineering	20 years experience in planning / design / construction of Ports/ Marine works including dredging/ reclamation, revetments and quarrying.

SI	Discipline	Qualification	Total Experience (in Yrs.)
D.	**Maritime Engineers / Project Engineers (3 nos.)	Bachelor Degree in Engineering	15 years experience in planning / design / construction/ project management of marine infrastructure of similar nature.
E.	Project Scheduler	Bachelor Degree in Engineering	15 years experience of which at least 5 years scheduling experience
F.	Quantity Surveyor	Graduate in Quantity Surveying	10 years experience of which at least 5 years QS experience
G.	Manager-Contracts, documentatation and Procurement	Bachelor Degree in Engineering Post Graduate or equivalent in Contract Management/ Business Administration / Related Discipline	15 years experience in Contract Management and Formulation of Project Documentation/ Tender Documentation, etc.
H.	Cost Manager	Graduate in Engineering/ Quantity Surveying/ Cost Control	15 years experience of which at least 5 years cost management experience in relevant large projects covering one or more of the major works similar to being planned in Phase IIA.
I.	Safety and Environment Specialist	Graduate in Engineering	10 years in safety/ environment engineering

GENERAL PARTICULARS

1	Title of Consultancy	Design and Project Management
2	Title of Project	Green Field Naval Base
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 Consultant and Project Head	
	(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 Marine Consultancy (Rs in Millions)
1	2010-11	
2	2009-10	
3	2008-09	

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

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