DIRECTOR GENERAL PROJECT SEABIRD IHQ MoD (NAVY) NEW DELHI

INVITES

EXPRESSION OF INTEREST (EOI)

FOR

DESIGN CONSULTANCY SERVICES FOR DOCKYARD AND FLEET BASE BUILDINGS (DDC)

PROJECT SEABIRD - PHASE IIA AT KARWAR

12 SEP 2013

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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, logistics and other support facilities at the Naval Base at Karwar to provide support to additional ships/submarine as well as ship based aircraft. The land required for the planned expansion/development is already in the possession of the Indian Navy. For overall coordination of the Project, a **Project Management Consultant (PMC)** is being appointed.
- 1.3 This EOI is being issued to short list design consultant for creation of repair facilities of ships/submarines at Naval Dockyard (DYD) and certain Fleet Base Buildings(FBB) and will be termed as Dockyard Design Consultant (DDC). The entire work is planned to be executed on turnkey basis which involves Civil, Mechanical, Electrical and Electronics/Weapon facilities. Design consultant will work in coordination with PMC/Project Seabird.

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 13000 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 of Phase IIA 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 and associated seaward defence, support / yard craft at the Naval Base, Karwar.
 - (b) Augment available facilities for dry berthing of ships and provide Dockyard repair and maintenance facilities (up to level IV) for the warships, submarines and 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) 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 DYD and FBB Works part of Phase IIA, is considered a major activity of the Project in order to adhere to the Project timeframes desired by Indian Navy.
- 3.2 Accordingly, the purpose of this Expression of Interest (EOI) is to enable short-listing of reputed and capable consulting firms/ institutions / consortiums, etc. with proven track record, which could be appointed as a Design Consultant of DYD and FBB work 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 consultant.

4. Technical Details of 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 DYD and FBB work package is broadly described as follows:-

(a) Naval Dockyard includes:-

- (i) A comprehensive dockyard capable of undertaking up to level IV /deep repairs/ maintenance of steam, gas turbine and diesel engine propelled ships & submarines.
- (ii) Various workshops installed 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.

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

- (i) Construction of complexes/offices for the operation, logistics and maintenance support facilities (up to second line/ level) to ships/ submarines, Naval Communication Transmission/ Receiving stations and centralised monitoring 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 and control/administration of a fully operational Naval Base and the Fleet based therein. The above facilities will include Admin/Logistics buildings for smaller ships, store houses, transport workshops, receiving/transmitting stations, certain armament, medical and diving facilities

4.3. Coordination.

4.3.1. All other works of the Project Phase IIA will be grouped into distinct work packages, and separate detailed design consultants will be appointed for undertaking detailed design of each work package. Thereafter each package will be tendered for construction. The Dockyard Design Consultants (DDC) will be required to work in close coordination with the Project Management Consultant (PMC) and other consultants, in the selection of the contractors and contract management of the construction contract for which they have undertaken the detailed design. The DDC will also be responsible for the contract management, day to day administration and monitoring of his respective work packages during the construction phase.

4.4 Site Studies (For General Information Purpose).

4.4.1 Site data of bathymetric, geotechnical, soil investigation, topographic and weather related, obtained during construction of Phase I facilities are available. In addition, studies to re-establish marine baseline data and comprehensive EIA/EMP have been undertaken through reputed agencies and reports for Phase IIA work are available.

5. Scope of the Design Consultancy being sought

- 5.1 It is envisaged to appoint a Design Consultant for augmentation of DYD and FBB package in Phase IIA of Project Seabird who will be referred to as **DDC**. The detailed information to **DDC** will be from the PMC/Project Seabird/ DPR and the DDC is expected to undertake the following tasks:-
 - (a) **Planning** Study of DPR, Master cost and time plans, preparation of TORs(Terms of Reference) for selection/appointment of work package contractor and preparation of tender documents.
 - (b) **Design** Detailed design of facilities/buildings/installation under the package. Validation of design work by PMC.
 - (c) **Project Management** Site supervision, QA, preparation of variations/deviations, review of work progress, coordination, work certification, work measurement and financial bill certification, Defect Liability Period (DLP) and handing over of assets to the users.
- 5.2. The indicative envisaged roles of the DDC are elaborated at **Appendix A.**

6. Eligibility Criteria

- 6.1 **Minimum Eligibility Criteria**. In order to qualify, the DDC should satisfy the following minimum eligibility criteria and submit the supporting documentation.
- 6.2 **Experience.** The DDC is required to possess necessary experience of having successfully completed design consultancy for a similar work package. Therefore, the consultant must have undertaken at least one of the following tasks during the last seven years:-
 - (a) At least one or more task entailing similar major consultancy services involving planning, design & construction listed in Paragraph 4.2.1(a)&(b) above with a minimum project cost of INR 1000 Cr.

With the project fee as mentioned below:

(i) Three similar completed design consultancy contracts costing not less than INR 48 Cr (or equivalent in foreign currency),

OR

(ii) Two similar completed design consultancy contracts costing not less than INR 60 Cr (or equivalent in foreign currency),

OR

- (iii) One similar completed design consultancy contracts costing not less than INR 100 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 nine categories of key personnel from those listed at Appendix B, on their regular employee roll.
- 6.4 **Financial Strength.** The Consultant shall have an average annual turnover of **INR 36 Crores (or equivalent in foreign currency)** in consultancy assignments during the previous three financial 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 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 fees 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 DDC Project Seabird Phase IIA' to DG Project Seabird, West Block-5, RK Puram, New Delhi-110066 on or before 31 Oct 2013, 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. Evaluation of proposals would be based on the principles of Forced Decision Matrix and/or the Analytic Hierarchy Process. The use and applicability of various attributes in this process would be at the total discretion of DG Project Seabird.
- 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.irfc-nausena.nic.in. For any clarifications firms may contact:-

The Director General, Project Seabird (DGM –OW I)
West Block-5, RK Puram
New Delhi-110066
Ph 011-26104209,Fax 011-26100608

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 DOCKYARD DESIGN CONSULTANT (DDC)

- 1. The Dockyard Design Consultant (DDC) would be required to adequately appraise the Project Seabird Master Plan, respective Detail Project Reports (DPRs) and other relevant documentation available with Project Seabird including the various available hydrological, geotechnical and geophysical study reports.
- 2. The DDC will be responsible for the planning, detailed design, construction and contract administration of the entire works of DYD and FBB while continuously working collaboratively and in coordination with the Project Management Consultant (PMC). The DDC will assemble a team to undertake the detailed design of the works package. The DPR forms the basis for the preparation of the detailed designs. The broad descriptions of the tasks to be performed are as in the succeeding paragraphs.
- 3. Appraisal of the existing available hydrological, geotechnical, geophysical, etc information and undertake the additional investigations and surveys required relevant to the DYD and FBB work.
- 4. Undertake the design for the Package including preparation of detailed design drawings and specifications, prior to tenders being called for the respective construction contracts. This includes preparation of the detailed architectural, structural, working/ constructional drawings and specifications of building and equipment including associated electrical, water supply, piping, sanitary, sewage and equipment/ machinery for the works for Dockyard and Fleet Base Buildings. The structural and engineering drawings will need to be approved by PMC, further details of which will be defined in the RFP.
- 5. Preparation of the Bill of Quantities and Approximate Estimates (AEs) for the execution of the works. Safety in design and sustainability must be included in all design considerations.

- 6. 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 DYD and FBB Work Package of Project Seabird Phase II A.
- 7. The DDC 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 and obtain invalidation of the design work from PMC.
- 8. The DDC 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.
- 9. Revised cost estimates are required to be vetted by DDC and discussed with PMC/Project Seabird during the design phase and progressively up to 100% completion of the detailed design documentation. After finalisation of the DDC and FBB work package cost, budget and expenditure spread, the DDC 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 package. It is expected that the Package cost will be regularly reviewed during the construction phase with mandatory reviews being undertaken at 15%, 50% and 90% work completion stages.
- 10. 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 DYD and FBB Package.

- 11. Monitor the progress and taking pro-active measures for enabling timely completion and smooth commissioning/ handing over of the package.
- 12. 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 Contractors.
- 13. Coordinate with PMC for GIS mapping of the assets under this package.
- 14. Install suitable computer application software in consultation with PMC for monitoring the program evolved by DDC/PMC/Project Seabird.

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. **DDC**

SI	Discipline	Qualification	Total Experience (in Yrs.)
A	**Chief Consultant & Project Head	Bachelor Degree in Mech/Elect/Civil Engineering	25 years experience in technical planning / design / construction of significant infrastructure projects including installation and commissioning of equipment of similar nature and magnitude of Dockyard/Ship repair facilities.
B.	Consultants Design Manager	Bachelor Degree in civil Engineering	17 years experience in planning / design / construction of significant dyd/industrial infrastructure projects of similar nature and magnitude
C.	Technical Director	Bachelor Degree in Engineering	20 years experience in planning / design / construction of workshop buildings/heavy duty machinery design and installation.
D.	**Project Engineers (At least four nos.) (02 in Civil and 01 each in Mech/Elect)	Bachelor Degree in Engineering	15 years experience in planning / design / construction/ project management of infrastructure/equipment of similar nature.
E.	Project Scheduler	Bachelor Degree in Engineering	15 years experience of which at least 5 years scheduling experience of industrial facilities.
F.	Quantity Surveyor	Graduate in Quantity	10 years experience of which at least 5 years QS experience

SI	Discipline	Qualification	Total Experience (in Yrs.)
		Surveying	
G.	Manager- Contracts, documenatation 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	Dockyard Design Consultant(DDC)
2	Title of Project	Naval Dockyard and FBB work
		package
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	S
	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 fo	or
	the Applicant	
	(a) Name	
	(b) Designation	
	(c) Address	
	1	

			ETID	
			E-mail ID	
		(e)	Consultancy & Services	
			provided by applicant	
		(f)	Value of consultancy	
		(g)	Key personnel involved in consultancy (their	
			names, qualifications &	
			experience).	
		(h)		
			date of consultancy	
	l,		at and in a mark/ a mark	do certify that the above details
are correct and incorrect/ suppression of information by me at any stage would disqualify my bid/ tender.				
	Date	.		
	Dali			Signature
				Name
	Sea	ı		Designation
	oed	I		

DESIGN 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
Seal	Designation

FINANCIAL CAPACITY

SI	Financial Year	Annual Turnover for DYD and FBB Consultancy (INR 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 colur 2 above for the three preceding financial years ending 31 March 2013.	
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