

**Government of Karnataka
Ports and Inland Water Transport Department**

Sustainable Coastal Protection and Management Project

(ADB Loan No. MFF 0049/2679-IND)

:

BIDDING DOCUMENT

For

**The work of
Ullal Shoreline Protection and Management Project- construction of 2
multipurpose geotextile reefs and 4 inshore berms**

on Item Rate Basis

(Following ADB's Single Stage - Two Envelope Bidding Procedure)

Volume 2- Price Bid

Invitation for Bids No.: PMU/ADB/SCP-01/2011-12

Issued on: -- 5 December 2011

Package No.: CW-ICB-U1-R1

Employer: Project Director,
Project Management Unit.
Sustainable Coastal Protection &
Management Project.
Old Mangalore Port, Bunder Mangalore
Karnataka India PIN- 575001
Email: adbpmu@gmail.com
Phone & Fax: 0824- 2441002

Country: India

PART B - PRICE BID

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Bill of Quantities

PART B - PRICE BID

Letter of Price Bid

Date:

ICB No.: Invitation for Bid No.: PMU/ADB/SCP-01/2011-12

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To:

Project Director,
Project Management Unit.
Sustainable Coastal Protection &
Management Project.
Old Mangalore Port Office Building, Bunder Mangalore
Karnataka India PIN :575001 Email: adbpmu@gmail.com
Phone : 0824- 2441002
Fax :0824 - 2420374

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) 8;
- (b) We offer to execute in conformity with the Bidding Documents and the Technical Bid submitted for the following Works: -----
- (c) The total price of our Bid, excluding any discounts offered in item (d) below is:
- (d) The discounts offered and the methodology for their application are:
- (e) Our Bid shall be valid for a period of One Hundred Twenty days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our Bid is accepted, we commit to obtain a performance security in accordance with the Bidding Documents;
- (g) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: **

| Name of Recipient | Address | Reason | Amount |
|-------------------|---------|--------|--------|
| | | | |
| | | | |

(h) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed; and

(i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Name

In the capacity of

Signed

Duly authorized to sign the Bid for and on behalf of

Date

****** *If none has been paid or is to be paid, indicate "none"*

Preamble to the Bill of Quantities

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Particular Conditions of Contract, Technical Specifications, and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work carried out, as measured and verified by the Engineer and valued at the rates and prices in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The Bill of Quantities for the Works is to be read for the purpose of pricing, in conjunction with all other sections of the bid document. The rates and prices set against items in the Bill of quantities are to be the full inclusive value of the works shown in the drawings and/or described in the specifications and/or under the items in the Bill of Quantities or which can be reasonably inferred there from; including all costs and expenses which may be required in and for the completion of the work described. These must include all the materials, labour, plant and temporary works and installations and corrections of defects which may be necessary and all general risks, liabilities and obligations set forth or implied in the documents on which the tender is based.
4. Should there be any detail of any works which have not been referred to in the specifications or in the Bill of quantities and drawings, but the necessity for which may reasonably be implied to the completion of all works, the same shall be deemed to be included in the rates and prices named by the contractor in the Bill of quantities.
5. The rates quoted by the Tenderer in the Bill of quantities shall be inclusive of all taxes and duties
6. A rate or price shall be entered against each item in the priced Bill of Quantities. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
7. The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bill of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.
8. General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
9. Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with the Conditions of Contract. It will be used by the Engineer for nominated sub-contractors, line agencies, third party inspecting agencies or for other miscellaneous works. The use of provisional sum will be for relocation of utilities that conflict with the permanent line or level or the works; Independent sampling and laboratory testing, as directed by the Engineer; Replacement or compensation for plants and trees removed due to the works; Third party inspection; Permanent reinstatement of asphalt roads etc.
10. The method of measurement of completed work for payment shall be in accordance with the relevant specification of the Bureau of Indian Standards.
11. Cost of temporary works like temporary anchors, fixings and frames, maintenance of contractor's office, establishment and maintenance of workshops, plant and equipment, including Project sign boards etc will be part of work and should be costed as a part of the unit rates and shall not be paid extra.
12. Cost of specific requirements like material and construction testing and quality control program; preparation and compliance with the Environmental Management Plan; and verification of surveys and design will also be part of work and shall not be paid extra.

13. If the Tenderer indicates different rates for the same item in the different parts of the tender, the lowest of the quoted rates shall be considered as the valid rate, unless the Tenderer specifically clarifies while submitting his tender the reason for the variation in his rates in different parts.
14. The prices and rates inserted in the Bill of quantities will be used for evaluating the work execution in accordance with this contract after making corrections based on the accepted final bid.
15. All items detailed in every section of Volume-2 shall be included in contractor's rate unless otherwise contradicted below in Bill of Quantities.

Summary of Bill of Quantities

| Sl. No | Description of Item | Amount INR |
|--------|-----------------------------------------------|------------|
| 1 | Mobilisation | |
| 2 | Procurement and transport, of geotextile bags | |
| 3 | Supply and installation of Geomats | |
| 4 | Placing and fixing of geotextile tubes | |
| 5 | Provisional sums | |

Bill of Quantities

| Item No. | Description | Unit | Quantity | Unit Rate INR/unit | Amount INR |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|-----------------------|---------------|
| 1 | Mobilisation: of all the equipment and vessels for the construction of the reef. | Ls | 1 | | |
| 2 | Procurement of geotextile for the Reefs: Procurement and transportation of high quality non woven geo-textile bags as specified for the reefs and berms. | | | | |
| 2.1 | Ullal (Middle) Reef : 24,790 m³ | | | | |
| 2.1.1 | Height =1.0m width = 1.5m Length = 21.5m | nr | 2 | | |
| 2.1.2 | Height =1.0m width = 1.5m Length = 24.5m | nr | 1 | | |
| 2.1.3 | Height =1.0m width = 1.5m Length = 35m | nr | 2 | | |
| 2.1.4 | Height =1.0m width = 1.5m Length = 40m | nr | 4 | | |
| 2.1.5 | Height =2.7m width = 6.1m Length = 11.5m | nr | 35 | | |
| 2.1.6 | Height =2.7m width = 6.1m Length = 16.0m | nr | 36 | | |
| 2.1.7 | Height =2.7m width = 6.1m Length = 21.0m | nr | 37 | | |
| | <i>Sub Total Geotextiles 1no.Middle Reef</i> | | 117 | | |
| 2.2 | Ullal (South) Reef 28,890 m³ | | | | |
| 2.2.1 | Height =1.0m width = 1.5m Length = 21.5m | nr | 2 | | |
| 2.2.2 | Height =1.0m width = 1.5m Length = 24.5m | nr | 1 | | |
| 2.2.3 | Height =1.0m width = 1.5m Length = 45.5m | nr | 6 | | |
| 2.2.4 | Height =2.7m width = 6.1m Length = 11.5m | nr | 41 | | |
| 2.2.5 | Height =2.7m width = 6.1m Length = 16.0m | nr | 42 | | |
| 2.2.6 | Height =2.7m width = 6.1m Length = 21.0m | nr | 43 | | |
| | <i>Sub Total Geotextiles 1no.Southern Reef</i> | | 135 | | |
| 2.3 | Inshore Berms 12.672 m³ | | | | |
| 2.3.1 | Height =1.7m width = 3.8m Length = 9m | nr | 72 | | |
| 2.3.2 | Height =1.7m width = 3.8m Length =18m | nr | 92 | | |
| | <i>Sub Total Geotextiles 4no. inshore Berms</i> | | 164 | | |
| | Total Procurement of Geo-tubes(2no. Reef and 4no.Berms) | | 416 | | |
| 3 | Supply and installation of Geomats of high quality polypropylene composite laid Geo-grid mats as specified., | | | | |
| 3.1 | Middle (north) Reef | m ² | 5200 | | |
| 3.2 | Southern Reef | m ² | 6040 | | |
| 3.3 | Inshore Berms | m ² | 4000 | | |
| | <i>Total Supply and Installation of Geo-mats (2no.Reef and 4no.Berms)</i> | | 15240 | | |
| 4 | Transporting geotubes placing and fixing on the sea floor to correct location and position, filling the geotextile tubes with dredged sand from the location specified (to be sourced by the | | | | |

| | | | | | |
|-----|------------------------------------------------------------------------------------------|----|-------|--|--|
| | contractor), and sealing as specified | | | | |
| 4.1 | Middle Reef | m3 | 24790 | | |
| 4.2 | Southern Reef | m3 | 28890 | | |
| 4.3 | Four number inshore berms | m3 | 12672 | | |
| | <i>Sub Total placing and filling geotubes (66353m3)</i> | | | | |
| | | | | | |
| 5 | Provisional Sums | | | | |
| 5.1 | Design support surveys and studies as required | PS | 1 | | |
| 5.2 | Airfreight of key equipment and geotextiles to fast track construction of 1 inshore berm | PS | 1 | | |
| | <i>Sub Total Provisional Sums</i> | | | | |
| | | | | | |
| | TOTAL 2 number Reefs and 4 Number Inshore Berms | | | | |
| | | | | | |