

Clarifications # 3 Date :13/01/2012 for Bid Documents of 'Provision Of Ground Controls And Digital Photogrammetry'
[IFB Number: Proc/SICOM/SOI/2011/01 dated 19-Oct-2011]

| Query No. | Reference to Bid Document | Query | Clarification given by Bid Evaluation Committee |
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| 104 | - | Please refer the Pre-bid queries for Provision of Ground Controls and Digital Photogrammetry " ICZM Tender. Although you have published the answer of the queries on MoEF website but none of the queries submitted by us have been answered. Kindly clarify, if few more amendments are in pipeline or else, kindly answer the queries submitted by us. | These queries have already been replied at Sl. Nos. 48 to 72 and Sl. Nos. 73 to 77 of the Clarifications already published in MoEF website. The new queries are replied at Sl. Nos. 105 to 109 below. |
| 105 | Clause 18, 19 / Page 17 of ITB | <p align="center"><u>Submission of Bids</u></p> Pl. clarify, whether this is a single bid system or two bid system, i.e. Technical and financial combined or separately | This is not a two bid system. The entire bid <u>includes</u> the Contractor's Bid (Section 2), Bill of Quantities (Section 7) containing the quoted Bid Price will be opened simultaneously with other Bid Forms containing the Qualification Information. Pl. refer Sections 1D, 1E & 1F of ITB in which instructions regarding Bid Submission, Bid Evaluation & Award of Contract have been spelt out in detail. |
| 106 | Section 2, Table 1.3.2 & 1.3.3 / Page 29 & 30 of ITB | <p align="center"><u>Qualification Information – GPS related work & Leveling related work</u></p> | The sub-contractor refers to the 'identified sub-contractor' proposed by |

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| | | <p>The details of similar work undertaken in last 5 years are to be furnished here in these tables.</p> <p>Pl. clarify, the sub-contractor referred here means, the one we proposed for this project of ICZM or any sub-contractor we worked with in the past during that particular year.</p> <p>If it is the sub-contractor for this project of ICZM, then as per RFP, only one sub-contractor is allowed. In such case what is meant by Sub-contractor 1, sub-contractor 2 etc.</p> | <p>the bidder for this contract.</p> <p>Pl. refer SNos. 38 & 40 of Amendment#2 (already published) in which Table 1.3.2 & 1.3.3 have been amended to Tables 1.3.2 (#1) & 1.3.3(#1).</p> |
| 107 | Section 2, Table 1.4 (B) / Page 30 of ITB | <p><u>Qualification Information – Works for which bids already submitted</u></p> <p>This table asks for ‘Estimated value of work’. This is confidential information of the organization. We cannot disclose the same. Pl. clarify.</p> | <p>The information asked is mandatory for determination of Qualification Criteria as per clause 4.7 of Section 1 (ITB) and should not be suppressed by the bidder.</p> <p>The information pertaining to any company will not be disclosed to any third party - without explicit consent of concerned company.</p> <p>Also, pl. refer Clause 24.1 of Section 1 (ITB), wherein it is stated that the evaluation process shall be confidential. Information relating to the examination, clarification, evaluation, and comparison of Bids and recommendations for the award of</p> |

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| | | | a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. |
| 108 | Section 2, Table 1.7/ Page 35 of ITB | <p><u>Qualification Criteria – Proposed work for sub-contracts</u></p> <p>In case the submission of bids are two bid system, i.e. technical and financial separately, we believe, this table has to be submitted in Financial bid, as this has got value of sub-contract. Pl. confirm</p> | Not Applicable as it is not a two-bid system. |
| 109 | Section 2, point 1.9 / Page 36 of ITB | <p>[Sample format attached]</p> <p>No format has been found in the RFP. Pl. clarify or provide the same.</p> | Sample Format For Evidence Of Access To Or Availability Of Credit Facilities – CLAUSE 4.5 [B] [c] of ITB is given in Section 2 (Page 37). |

Amendment # 3 Date :13/01/2012 for Bid Documents of ‘Provision Of Ground Controls And Digital Photogrammetry’
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| S. No. | Page No. | Section/Clause | As per Bid document | Amendment # 3 |
|--------|----------|-----------------------------|--|--|
| 41 | 2 | Page 2 | PERIOD OF SALE OF BIDDING DOCUMENT: From: 28/10/2011 TO : 07/12/2011 | PERIOD OF SALE OF BIDDING DOCUMENT: From: 28/10/2011 TO : 16/02/2012 |
| 42 | 2 | Page 2 | LAST DATE AND TIME FOR RECEIPT OF BIDS: DATE: 08/12/2011 TIME : 1030 HOURS | LAST DATE AND TIME FOR RECEIPT OF BIDS: DATE: 17/02/2012 TIME : 1030 HOURS |
| 43 | 2 | Page 2 | TIME AND DATE OF OPENING OF BIDS : DATE: 08/12/2011 TIME 1100 HOURS | TIME AND DATE OF OPENING OF BIDS : DATE: 17/02/2012 TIME 1100 HOURS |
| 44 | 4 | IFB, Page 4, Para 3, Line 3 | from 28/10/2011 to 07/12/2011 | from 28/10/2011 to 16/02/2012 |
| 45 | 4 | IFB, Page 4, Para 5, Line 3 | 08/12/2011 | 17/02/2012 |
| 46 | 18 | Section 1D ITB Clause 20.1 | 08/12/2011. | 17/02/2012 |
| 47 | 18 | Section 1E ITB Clause 23.1 | 08/12/2011. | 17/02/2012 |
| 48 | 9 | 1A / Clause 1.1 | Digital shoreline Analysis of time series coastline data (3 nos.) to study the trends of shore-line change and arithmetically project the shoreline for next 100 years. | Deleted |
| 49 | 9 | 1A / Clause 1.1 | Preparation of digital maps on the base of ortho-imagery and depicting contours at 0.5m (2.5m for hills) V I, final composite line and vector - as per approved layout and | Preparation of digital maps on the base of ortho-imagery and depicting contours at 0.5m (2.5m for hills) V I, Flood Line and vector - as per approved layout and content . |

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| | | | content . | |
| 50 | 12 | 1A/Clause 4.5 (B) | (a) Each bidder should further demonstrate: <ul style="list-style-type: none"> Software for Analysis of Different Time Series of Shore Lines : 3 nos. | (a) Each bidder should further demonstrate: <ul style="list-style-type: none"> Deleted |
| 51 | 13 | 1A/Clause 4.5 (B) | (b)..... *At least one of the Team Leaders among Sl. No. 4,5,6 should have expertise in Shore line analysis. Else a separate Team Leader with requisite expertise should be available with Contractor | (b) *Deleted |
| 52 | 31 | 2 / Table 1.5 (b) | <ul style="list-style-type: none"> Software for Analysis of different Time Series of Shore lines - - 03 | <ul style="list-style-type: none"> Deleted |
| 53 | 32 | 2 / Table 1.6 (a)/ SNo 14 | 14. Team leader - Shoreline Analysis - 1 | 14. Deleted |
| 54 | 34 | 2 / Table 1.6 (b)/SNo. 13 | 13. Title of Position: Team Leader – with expertise in Shore Line Analysis Name (Zone I): Name (Zone VIII): | 13. Deleted |
| 55 | 59 | 3 F/ Clause 2 | <ul style="list-style-type: none"> Digital shoreline Analysis of time series coastline data (3 nos.) to study the trends of shore-line change and arithmetically project the shoreline for next 100 years. | <ul style="list-style-type: none"> Deleted |
| 56 | 59 | 3F / Clause 2 | <ul style="list-style-type: none"> Preparation of digital maps on the base of ortho-imagery and depicting contours at 0.5m (2.5m for hills) V I, final composite line and vector - as per approved layout and content. | <ul style="list-style-type: none"> Preparation of digital maps on the base of ortho-imagery and depicting contours at 0.5m (2.5m for hills) V I, Flood Line and vector - as per approved layout and content . |

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| 57 | 60 | 3 / Clause 2.1 | <ul style="list-style-type: none"> Digital shoreline Analysis of time series coastline data (3 nos.) to study the trends of shore-line change and arithmetically project the shoreline for next 100 years. | <ul style="list-style-type: none"> Deleted |
| 58 | 60 | 3 / Clause 2.1 | <ul style="list-style-type: none"> Preparation of digital maps on the base of ortho-imagery and depicting contours at 0.5m VI, final composite line and vector - as per approved layout and content . | <ul style="list-style-type: none"> Preparation of digital maps on the base of ortho-imagery and depicting contours at 0.5m VI, Flood Line and vector - as per approved layout and content . |
| 59 | 73 | 5 / Clause 5.1 | <ul style="list-style-type: none"> Digital shoreline Analysis of time series coastline data (3 nos.) to study the trends of shore-line change, compute the rate of coastal erosion/accretion along perpendicular transects at every 500m along the coast line and arithmetically project the shoreline for next 100 years. | <ul style="list-style-type: none"> Deleted |
| 60 | 73 | 5 / Clause 5.1 | <ul style="list-style-type: none"> Preparation of digital maps on the base of ortho-imagery and depicting contours at 0.5m (2.5m for hills) VI, final composite line and vector - as per approved layout and content . | <ul style="list-style-type: none"> Preparation of digital maps on the base of ortho-imagery and depicting contours at 0.5m (2.5m for hills) VI, Flood line and vector - as per approved layout and content . |
| 61 | 77-78 | 5 / Clause 5.4.10 | <p>5.4.10 Shoreline Analysis</p> <p>This component of work will include:</p> <ul style="list-style-type: none"> Aerial Triangulation..... Submit a report | 5.4.10 Deleted |
| 62 | 78 | 5 / Clause 5.4.10 | Output data depicting contours with 0.5m VI (2.5 m for hills) , Flood level with 100 years | Output data depicting contours with 0.5m VI (2.5 m for hills) , Flood level with 100 years return |

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| | | | return period, predicted shoreline of 100 years, composite hazard line (the most landward of the 100 years flood line & erosion line) ,important annotations, vectors on base of ortho-photo data shall be prepared by the Contractor. | period, important annotations, vectors on base of ortho-photo data shall be prepared by the Contractor. |
| 63 | 88 | 5 / Clause 5.5.3 | <u>List for Feature Extraction in Stereo Mode</u> <u>COASTAL FEATURES</u> Erosion line Final Hazard line | <u>List for Feature Extraction in Stereo Mode</u> <u>COASTAL FEATURES</u> Deleted Deleted |
| 64 | 89 | 5 / Clause 5.6 | a) <ul style="list-style-type: none"> Digital Shoreline analysis | a) <ul style="list-style-type: none"> Deleted |
| 65 | 88 | 5 / Clause 5.6 | d) <ul style="list-style-type: none"> Final composite digital output (3D Shape File/ Geodatabase) containing contours at 0.5 m (2.5 m for hills) V I, annotations, vector data including Composite Hazard line, Erosion line, Flood line and Ortho images as per approved layout and content in mxd format. | d) <ul style="list-style-type: none"> Final composite digital output (3D Shape File/ Geodatabase) containing contours at 0.5 m (2.5 m for hills) V I, annotations, vector data (including Flood line) and Ortho images as per approved layout and content in mxd format. |
| 66 | 88 | 5 / Clause 5.6 | e) Following data pertaining to each state: Statewise Final composite digital output (3D Shape File/ Geodatabase) containing contours at 0.5 m (2.5 m for hills) V I, annotations, vector data including Composite Hazard line, Erosion line, Flood line and Ortho images as per approved layout and content in mxd format. If the file size is too large to create/manage the file it may be broken in two or more tiles with the prior | e) Following data pertaining to each state: Statewise Final composite digital output (3D Shape File/ Geodatabase) containing contours at 0.5 m (2.5 m for hills) V I, annotations, vector data (including Flood line) and Ortho images as per approved layout and content in mxd format. If the file size is too large to create/manage the file it may be broken in two or more tiles with the prior permission of the Engineer. |

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| | | | <p>permission of the Engineer.</p> <p>Statewise Final report on Erosion line mapping describing all anomalies (e.g. major shifts of shoreline at river mouths or presence of hard defences) and provide digital database showing erosion and accretion rates.</p> <p>Statewise 1:50,000 hard copy map sheets (color – 3 copies in A3), depicting composite hazard line and major features as per approved layout and content. Soft copies of these map sheets will also be provided in PDF format.</p> | <p>Statewise 1:50,000 hard copy map sheets (color – 3 copies in A3), depicting Flood line and major features as per approved layout and content. Soft copies of these map sheets will also be provided in PDF format.</p> |
| 67 | 92 | 5 / Clause 5.8.2/ Table 5.6/ Item 23 | <u>23. Digitization of Shore line of various time series</u> | 23. Deleted |
| 68 | 93 | 5 / Clause 5.8.2/ Table 5.6/ Item 24 | <u>24. Digital Shoreline Analysis by use of software</u> | 24. Deleted |
| 69 | 98, 100, 102, 104, 106, 108, 110, 112 | 7/Bill of Quantities/ SNo. 10 of: Sub-zone I-A, Sub-zone II-A, Sub-zone III-A, Sub-zone IV-A, Sub-zone V-A, | <u>Extraction of 'Shoreline' from two time-series of vintage photographs/Satellite Imagery</u> | 10. Deleted |

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| | | Sub-zone VI-A, Sub-zone VII-A, Sub-zone VIII-A, | | |
| 70 | 98, 100, 102, 104, 106, 108, 110, 112 | 7/Bill of Quantities/ SNo. 11 of: Sub-zone I-A, Sub-zone II-A, Sub-zone III-A, Sub-zone IV-A, Sub-zone V-A, Sub-zone VI-A, Sub-zone VII-A, Sub-zone VIII-A, | <u>Digital Shore line analysis using three Time series of coast lines (1 current + 2 vintage)</u> | 11. Deleted |
| 71 | 98, 100, 102, 104, 106, 108, 110, 112 | 7/Bill of Quantities/ Note 6 of: Sub-zone I-A, Sub-zone II-A, Sub-zone III-A, Sub-zone IV-A, Sub-zone V-A, Sub-zone VI-A, Sub-zone VII-A, Sub-zone VIII-A, | (6) @: Only the overlapping Aerial Photographs/stereo models/Strips or Topo sheets or Satellite imagery <u>containing the coastline</u> all along the mainland coast in the zone, provided by the Engineer will be processed for Digital Shoreline Analysis. No other Aerial photographs, which do not contain the coast line and which fall in the remaining areas of the project need to be processed for Digital Shoreline Analysis. | Deleted |
| 72 | 73 | Section 5/5.2.3 | Aerial Imagery (Pan- sharpened, R, G, B, NIR bands - 9 cm GSD) with forward and lateral overlaps in hardcopy and softcopy (TIFF format) - captured with Large format Frame Digital Aerial Camera (DMC) of | Aerial Imagery (Pan- sharpened, R, G, B, NIR bands - 9 cm GSD) with forward (60±5) and lateral (25±5) overlaps (in hardcopy and softcopy (TIFF format) - captured with Large format Frame Digital Aerial Camera (DMC I) of approximately 9 cm |

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| | | | <p>approximately 9 cm GSD (PAN) and numbered uniquely as per standard naming scheme .</p> | <p>GSD (PAN) and numbered uniquely as per standard naming scheme .</p> <p>Aerial images from DMC I camera (with 7680 pixels along track & 13824 pixels across track) shall be provided for Zones I(61,393 Images -approx),II(61,007 Images -approx),III(34,214 Images -approx),IV(37,899 Images -approx) &VIII(58,043 Images -approx). Size of each image = 0.69 GB.</p> <p>Aerial images from DMC II camera (with 15,552 pixels across track & 14,144 pixels along track) shall be provided for Zones V(12476 images -approx),VI(12917 images -approx), &VII(15640 images -approx). Size of each image = 1.175 GB.</p> |
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