

Dated: 29/4/15



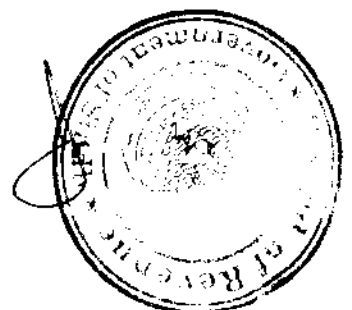
Project Management Unit (PMU)  
Reforms Wing & Special Cell  
Board of Revenue  
Government of Sindh

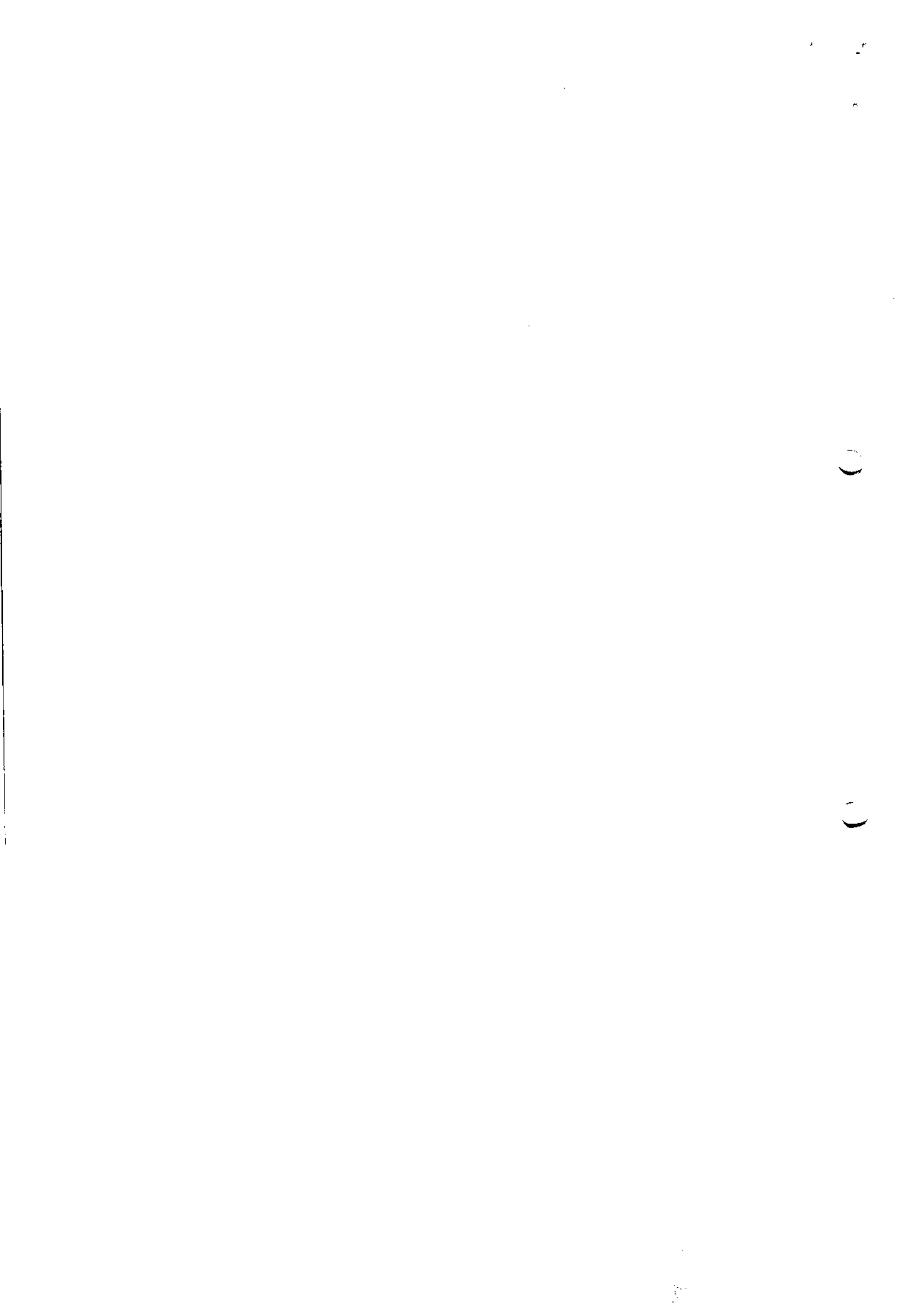
**"SUPPLY, COMMISSIONING & INSTALLATION OF HARDWARE & SOFTWARE  
INCLUDING SUPPORT & MAINTENANCE FOR GIS SECTION OF PMU BOR"**

April, 2015

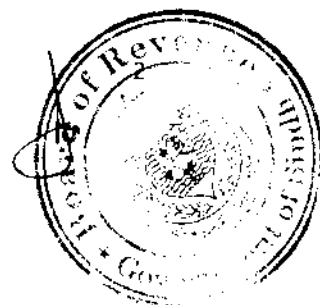
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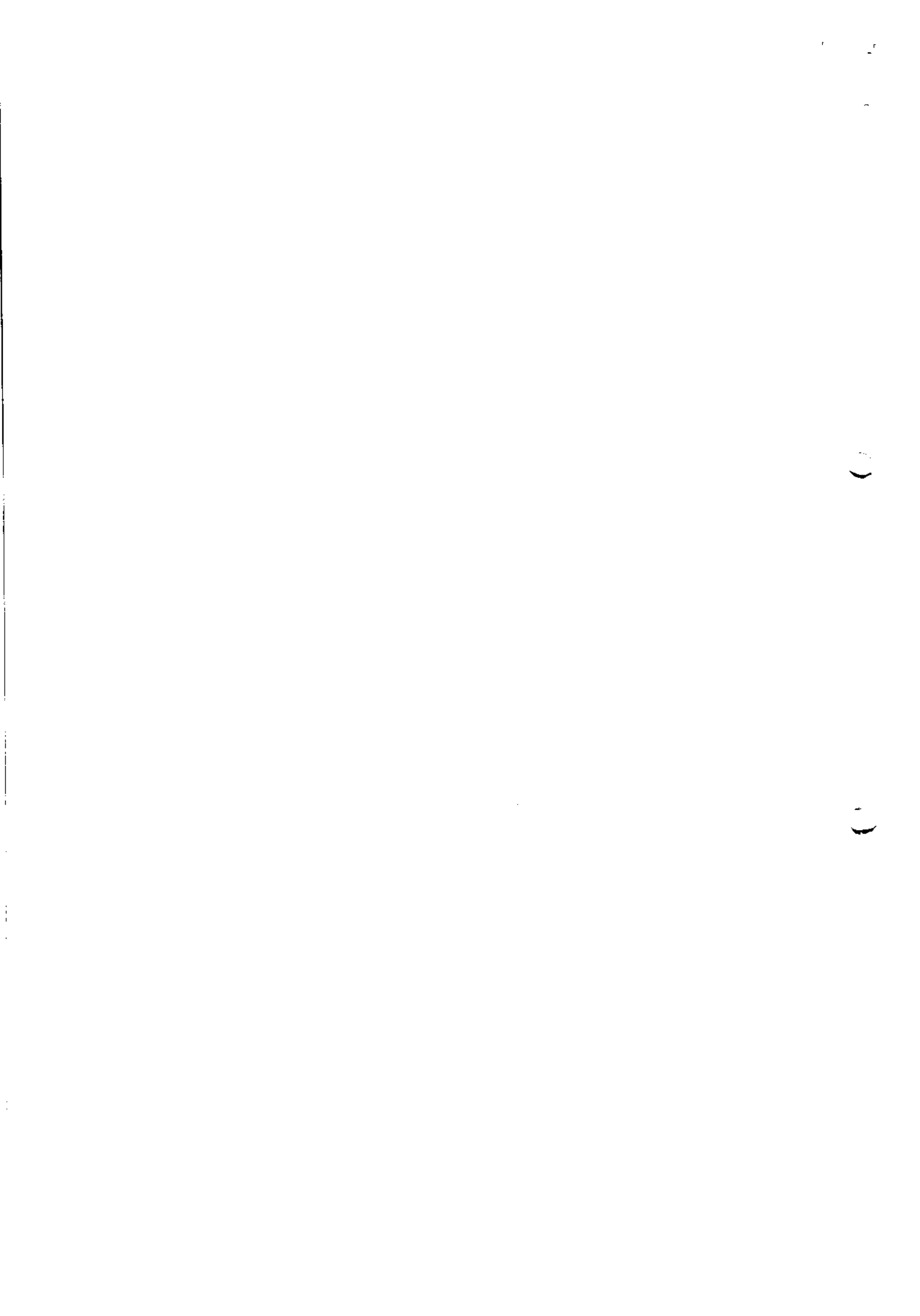
*The bidder is expected to examine the Bidding Documents, including all instructions, forms, terms, specifications and charts/drawings. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.*





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## DEFINITIONS

In this bidding process, the following terms shall be interpreted as indicated:

**"Bid"** means a tender, or an offer by a person, consultant, firm, company or an organization expressing willingness to undertake a specified task at a price, in response to an invitation by a Procuring Agency.

**"Bid with Lowest Evaluated Cost"** means the bid quoting lowest cost amongst all those bids evaluated to be substantially responsive.

**"Bidder"** means a person or entity submitting a bid.

**"Bidding Documents"** means all documents provided to the interested bidders to facilitate them in preparation of their bids in uniform manner.

**"Bidding Process"** means the procurement procedure under which sealed bids are invited, received, opened, examined and evaluated for the purpose of awarding a contract.

**"Contract"** means the agreement entered into between the Purchaser and the Contractor, as recorded in the Contract Form signed by the parties, including all Schedules and Attachments thereto and all documents incorporated by reference therein.

**"Contract Price"** means the price payable to the Contractor under the Contract for the full and proper performance of its contractual obligations.

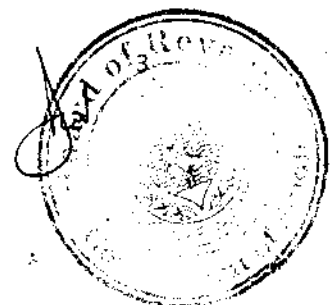
**"Contractor"** means the individual or firm whose bid has been accepted by the Purchaser and the legal successors, in title to the Contractor.

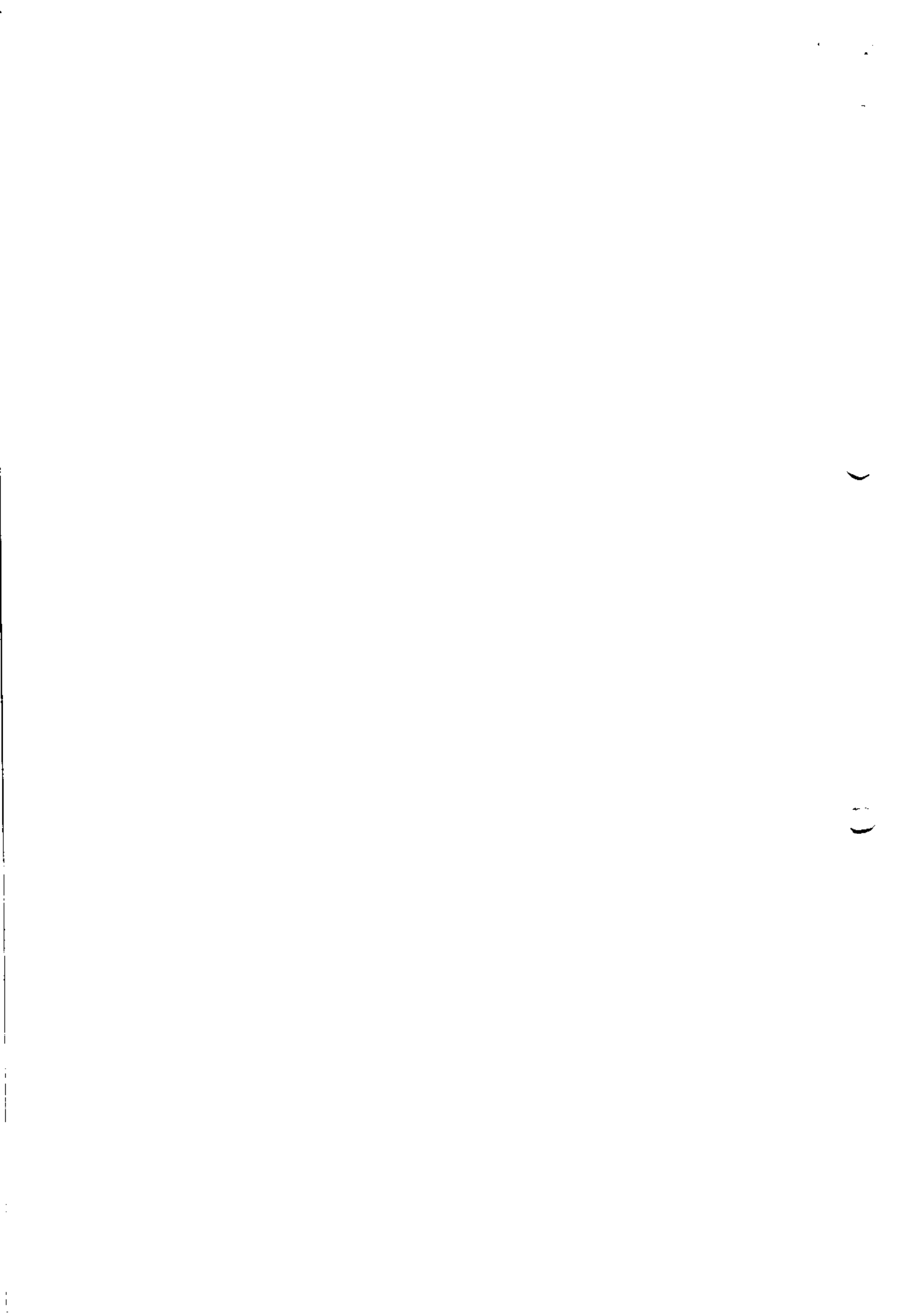
**"Contract Value"** means that portion of the Contract Price adjusted to give effect to such additions or deductions as are provided for in the Contract, which is properly apportionable to the Software or Services in question.

**"Goods"** means articles and object of every kind and description including raw materials, drugs and medicines, products, equipment, hardware, machinery, spares and commodities in any form, including solid, liquid and gaseous form, and includes services identical to installation, transport, maintenance and similar obligations related to the supply of goods, if the value of these services does not exceed the value of such goods.

**"Government"** means the Government of Sindh.

**"Procurement Proceedings"** means all procedures relating to public procurement, starting from solicitation of bids up to award of contract.





**"Procuring Agency"** means Project Management Unit, Reforms Wing & Special Cell, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh.

**"Supplier"** means a person, firm, company or an organization that undertakes to supply goods and services related thereto, other than consulting services, required for the contract.

**"Services"** means services, such as testing, training and other such obligations of the Contractor covered under the Contract.

**"Works"** means all items mentioned in BOQ to be provided and services to be rendered & work to be done by the Contractor under the Contract.



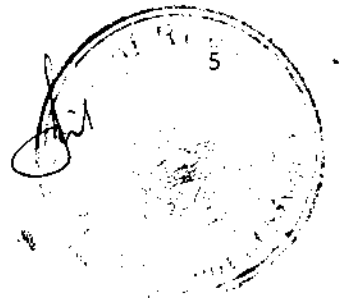




## **SECTION –I INVITATION TO BID**

Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh (hereinafter referred to as Purchaser), invites sealed bids from eligible bidders for **“SUPPLY, COMMISSIONING & INSTALLATION OF HARDWARE & SOFTWARE INCLUDING SUPPORT & MAINTENANCE FOR GIS SECTION OF PMU BOR”** under the scheme GIS of PMU, Board of Revenue, Sindh under Single Stage Two Envelope Procedure of SPP Rules 2010.

1. Tender Bids in sealed envelope as per information are required. Proponents applying for bids should submit the Bid which shall comprise two envelopes submitted simultaneously, one called the Technical Bid and the other the Price Bid, containing the documents listed in NIT & this RFP/bidding document. Both envelopes to be enclosed together in an outer single envelope called the Bid.
2. The interested bidder must have valid NTN, Sales Tax Certificate and Provincial Sales Tax Certificate (SNTN). Only bids of such firms having registration of all three taxation institutions will be considered.
3. The bidder must quote for the complete specification. The incomplete bid will be rejected as non-responsive.
4. The bidder must bid for the complete package. Bidding for individual items will be rejected as non-responsive.
5. All bids received will be opened and evaluated in the manner prescribed in the section **“submission of bids”** and **“opening of bids”** of bidding document.
6. Interested eligible bidders may obtain further information on the bid and collect the bidding documents from the office of Project Director, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi, Tel: +92-21-99251367-68 / Fax: +92-21-35305586 from the date of advertisement during office Hours, i.e. from 9:00 am to 5:00 pm on payment of document fee of Rs. 2,000/- in the form of Pay order/Demand Draft in favour of Project Director PMU, Board of Revenue, Sindh. The bidding document can also be downloaded from the website of SPPRA, i.e. [www.pprasindh.gov.pk](http://www.pprasindh.gov.pk) or the website of PMU, BOR, i.e. [sindharmis.gos.pk](http://sindharmis.gos.pk), in which case document fee may be submitted alongwith the bid. Only the bids submitted with the document fee will be considered as eligible for participating in the bidding process.
7. All bids must be accompanied by an earnest money/bid security of two percent (2%) of total bid amount, in the form of 'pay order', 'demand draft' or 'bank guarantee' in the name of Project Director PMU, Board of Revenue, Sindh, and must be accompanied with the bid in a separate sealed envelope marked as **“Earnest Money/Bid Security”**. Bid without earnest money/bid security of required amount and prescribed form shall be rejected.





8. Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.
9. The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.
10. Board of Revenue Sindh may cancel the bidding process at any time prior to the acceptance of a bid or proposal and shall incur no liability towards the bidders, solely by virtue of its invoking sub-rule (1) of Rule 25 of SPP Rules 2010. However, intimation of the cancellation of bidding process shall be given promptly to all bidders and bid security shall be returned along with such intimation. The procuring agency shall, upon request by any of the bidders, communicate to such bidder, grounds for the cancellation of bidding process, but is not required to justify such grounds.
11. A bidder may ask the Board of Revenue Sindh for reasons for non-acceptance of his bid and may request for a debriefing meeting and Board of Revenue shall give him the reasons for such non-acceptance, either in writing or by holding a debriefing meeting with such a bidder under Rule 51 (a) of SPP Rules 2010. The requesting bidder shall bear all the costs of attending such a debriefing under Rule 51(b) of SPP Rules 2010.
12. All quoted prices must include all applicable taxes, such as General Sales Tax, Income Tax and/or etc. If not specifically mentioned in the bid, then it will be presumed that the prices include all the taxes. Purchaser will not be responsible and would not pay any additional amount in case of changing in tax rate by the Government of Sindh or Government of Pakistan.
13. Rights and obligations of the procuring agency and the contractor shall be governed by General and Special conditions of contract signed between the procuring agency and the contractor.
14. Execution/installation of all the components of the bid may be at Purchaser's or any remote offices located at other areas or as per the decision of Purchaser at the time of deployment.
15. The following shall result in blacklisting of suppliers, contractors, or consultants, individually or collectively as part of consortium:
- (a) conviction for fraud, corruption, criminal misappropriation, theft, forgery, bribery or any other criminal offence;
  - (b) involvement in corrupt and fraudulent practices while obtaining or attempting to obtain a procurement contract;
  - (c) final decision by a court or tribunal of competent jurisdiction that the contractor or supplier is guilty of tax evasion;





(d) willful failure to perform in accordance with the terms of one or more than one contract;

(e) failure to remedy underperforming contracts, as identified by the procuring agency, where underperforming is due to the fault of the contractor, supplier or consultant.

16. Failure to complete the contract within the stipulated time period will invoke penalty of 0.025% of the total cost per day. In addition to that, Performance Security amount will be forfeited and the company will not be allowed to participate in future tenders as well.

17. An interested bidder, who has obtained bidding documents, may request for clarification of contents of the bidding document in writing, and procuring agency shall respond to such queries in writing within three (03) calendar days, provided they are received at least five (5) calendar days prior to the date of opening of bid.

-sd/-

**Project Director PMU  
Board of Revenue Sindh**



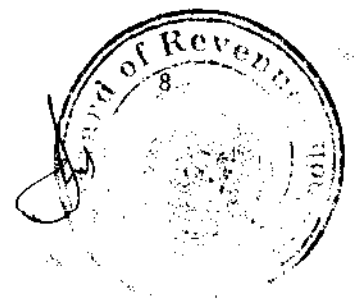


## **SECTION –II GENERAL TERMS & CONDITIONS**

1. Bids not conforming to the terms, conditions and specifications stipulated in this RFP will be rejected.
2. Proposal after due date and time will not be accepted for any reason. Proposals must not be sent by Facsimile or e-mail. Such submissions will not be accepted for any reason.
3. Proponents applying for bids should submit the Bid which shall comprise two envelopes submitted simultaneously, one called the Technical Bid and the other the Price Bid, containing the documents listed in NIT. Both envelopes to be enclosed together in an outer single envelope called the Bid.
4. The bidder must bid for the complete package. Bidding for individual items from package will be rejected as non-responsive.
5. Authenticated Financial Statements of last three years should also be submitted with Technical Proposals.
6. Prior to the detailed evaluation of financial bids, it will be determined as to whether each bid is substantially responsive to the requirements of the Bidding Documents.
7. A substantially responsive bid is one which (i) meets the eligibility criteria; (ii) has been properly signed; (iii) Includes signed Integrity pact and (iv) conforms to all the terms, conditions and specifications of the Bidding Documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the Works; (ii) which limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the bidder's obligations under the Contract; (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids. Only substantially responsive bid shall be considered for further evaluation.

### **Bid Security**

8. All bids must be accompanied by an earnest money/bid security of two percent (2%) of total bid amount, in the form of 'pay order', 'demand draft' or 'bank guarantee' in the name of Project Director PMU, Board of Revenue, Sindh, and must be accompanied with the bid in a separate sealed envelope marked as "Earnest Money/Bid Security". Bid without earnest money/bid security of required amount and prescribed form shall be rejected.
9. The bid security of the unsuccessful bidder will be released by PMU BOR after award of work or after expiry of bid validity period whereas the bid security money of successful bidder will be released after the submission of performance security equivalent to 5% of contract price.







10. The performance security of the successful bidder will be released after issuance of successful completion certificate by the Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh.
11. All/any terms and conditions not specified here shall be dealt with reference to pertinent SPPRA rules 2010.

**Validity of the proposal**

12. All proposal and price shall remain valid for a period of 90 days from the closing date of the submission of the proposal. However, the responding organization is encouraged to state a longer period of validity for the proposal.

**Currency**

13. All currency in the proposal shall be quoted in Pakistani Rupees (PKR). The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

**Withholding Tax, Sales Tax and other Taxes**

14. The responding organization is hereby informed that the Government shall deduct tax at the rate prescribed under the tax laws of Pakistan, from all payments for services rendered by any responding organization who signs a contract with the Government. The responding organization will be responsible for all taxes on transactions and/or income, which may be levied by government. If responding organization is exempted from any specific taxes, then it is requested to provide the relevant documents with the proposal.

**OEM relationships**

15. The support and Maintenance should be supplied through verifiable distribution channel in Pakistan.
16. The responding organization (RO) or one of the Joint Bidding Company to be authorized Partner/ Reseller, OF THE ORIGINAL MANUFACTURER.

**Compliance to Specifications**

17. The Responding Organization (RO) to provide information as per (Complaisance sheet). RO may not propose any kind of refurbished Hardware / components in their technical proposals.

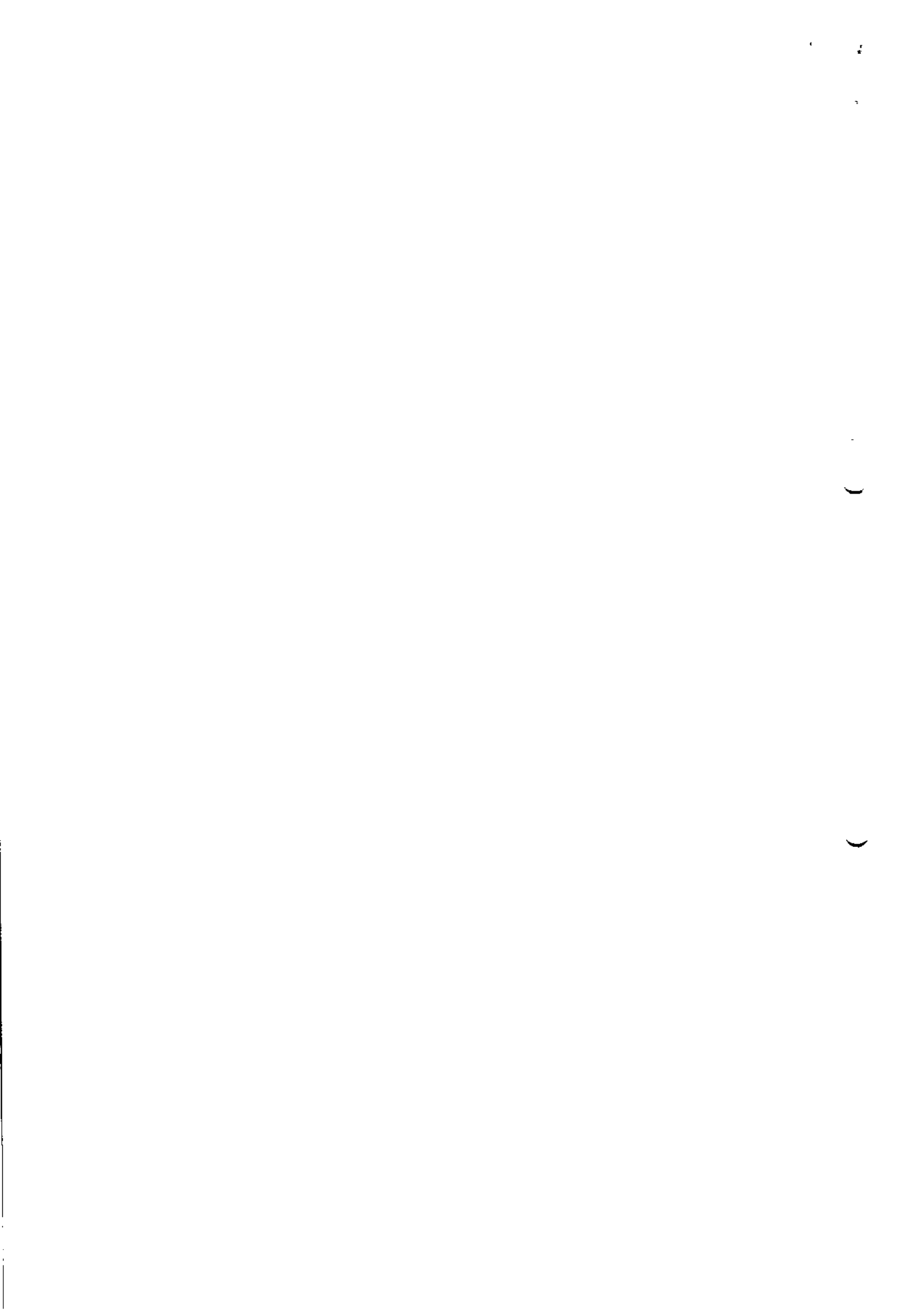
**Financial Capabilities**

18. The RO(s) shall describe the financial position of its organization. Income Statement or Report should be included in the detailed Technical proposal.

**Penalty Clause**

19. It is utmost importance that schedule to tender should be filled in very carefully and the instructions set forth above, scrupulously complied with failing which the offer will





be ignored. In case of non-completion of supply within stipulated period Earnest Money will be forfeited in favor of the Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, Karachi.

- An affidavit that the firm has not been entangled in litigation with any client during the last 5 years.
- An affidavit that the firm has never been blacklisted by any Government Department.
- Liquidated damages of 0.025% per day of the contract price per day will be deducted for delayed delivery of goods and services.

#### **Support Capabilities**

20. Responding organization should indicate the support capabilities for the provided satellite imagery to the maximum span of response time.

	<b>Item</b>	<b>Action Item</b>	<b>Maximum Response Time</b>
1	Hardware & Equipment Support & Maintenance	Troubleshooting/Tune-up	02 Working Days

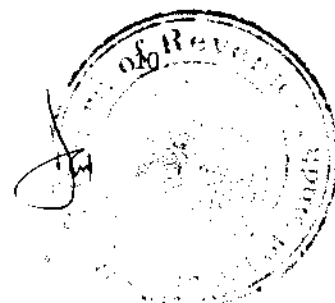
#### **DOCUMENTS REQUIRED WITH TECHNICAL BID**

21. The Technical bid must be submitted (in duplicate) with the following documents:

- a) Company Profile with complete address, telephone No. Fax. No. and e-mail address and contact person.
- b) Letter or Agreement of Authorized Partner from the principal or Distributor of this region to install, integrate and operate such systems.
- c) Details of Installed Infrastructure if available at Bidders office for Online Backup support.
- d) Complete schedule of Supply of satellite imagery of priority Districts is to be provided.

#### **SUBMISSION OF BIDS:**

22. Tender Bids in sealed envelope as per information are required. Proponents applying for bids should submit the Bid which shall comprise two envelopes submitted simultaneously, one called the Technical Bid and the other the Price Bid, containing the documents listed in NIT. Both envelopes to be enclosed together in an outer single envelope called the Bid.





23. The Bidder shall furnish, as part of the Technical Bid, a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated Bidding Forms, in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.

#### **BID PRICES**

24. The Contract shall be for the whole of the Works, based on the unit rates and / or prices submitted by the bidder. The bidders shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the Purchaser when executed and shall be deemed covered by rates and prices for other items in the Bill of Quantities.
25. All duties, taxes and other levies payable by the Contractor under the Contract, or for any other cause, as on the date 28 days prior to the deadline for submission of bids shall be included in the rates and prices and the total Bid Price submitted by a bidder.
26. Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted.
27. Bidders are particularly directed that the amount entered on the Letter of Price Bid shall be for performing the Contract strictly in accordance with the Bidding Documents. No alteration is to be made in the Letters of Price and Technical Bids. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.
28. The Bidder shall prepare one original of the Technical Bid and one original of the Price Bid comprising the Bid as described in Bidding Data Sheet and clearly mark it "ORIGINAL - TECHNICAL BID" and "ORIGINAL - PRICE BID". In addition, the Bidder shall submit two (2) copies of the Bid and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.
29. The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the Bidding Data Sheet and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the Bid, except for un-amended printed literature, shall be signed or initialed by the person signing the bid.
30. Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.
31. Bidders shall indicate in the space provided in the Letter of Technical and Price Bids, their full and proper addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the Contract is to be sent.
32. Bidders should retain a copy of the Bidding Documents as their file copy.

#### **OPENING AND EVALUATION OF BIDS:**





33. The Technical Bids shall be opened in public at the address, date and time specified in the NIT and the bidding documents in presence of Bidders' designated representatives and anyone who choose to attend. The Price Bids will remain unopened and will be held in custody of the Purchaser until the specified time of their opening. Envelopes holding the Technical Bids shall be opened one at a time, and the following be shall be read out and recorded:

- (a) The name of the Bidder;
- (b) Other details required in the documents.

Only Technical Bids read out and recorded at bid opening shall be considered for evaluation.

#### **PRELIMINARY EXAMINATION OF TECHNICAL BIDS**

- 34. The qualification and experience shall be examined first.
- 35. The technical proposal examination of those bidders only shall be taken in hand who meet the minimum requirement. Only substantially responsive qualification shall be considered for further evaluation.
- 36. The Technical Bid to confirm that all the documents have been provided, and to determine the completeness of each document submitted.
- 37. At the end of the evaluation of the Technical Bids, only those bidders will be invited who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Price Bids. The date, time, and location of the opening of Price Bids will be communicated in writing by the Purchaser. Bidders shall be given reasonable notice for the opening of Price Bids.

#### **MANDATORY QUALIFICATION CRITERIA**

38. The bidders are required to submit the following documents to qualify the Mandatory requirements of the bid prior evaluation of the technical proposals:

##### **MANDATORY QUALIFICATION CRITERIA:**

- a) Certificate of work completion of similar works during last three (03) years
- b) Registration with Income Tax Department (NTN Certificate)
- c) Registration with Sales Tax Department (GST Certificate)
- d) Registration with Sindh Revenue Board (SNTN Certificate)
- e) Affidavit stating that company/firm has not been involved in any litigation or has discontinued any work at any institution

#### **EVALUATION CRITERIA FOR TECHNICAL PROPOSALS**

39. Following Evaluation Criteria shall be followed for evaluation of technical bids:

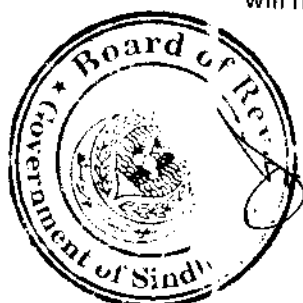






S. No.	Criteria	Max Marks
<b>A</b>	<b>COMPANY PROFILE</b>	<b>35</b>
(i)	<b>Years in IT Supplies &amp; Services Business</b> 10 years or more = 10 Marks 05 years or more = 05 Marks 03 years or more = 03 Marks <i>Attach certificate of incorporation/NTN/Sales Tax Certificate to establish proof.</i>	
(ii)	<b>YEARS IN SATELLITE IMAGE RELATED BUSINESS</b> 10 years or more = 08 Marks 05 years or more = 05 Marks 03 years or more = 03 Marks <i>Attach certificate of incorporation/NTN/Sales Tax Certificate to establish proof.</i>	
(iii)	<b>NO. OF FULL TIME TECHNICAL PERSONNEL IN FIRM</b> At least 05 Masters in Geography/Remote Sensing Expert =03 Marks At least 05 Software Engineers =02 Marks At least 05 Hardware Engineers =02 Marks <i>Attach payroll and degree/qualification certificate for each personnel</i>	
(iv)	<b>Hardware &amp; Equipment having satellite image processing capability of</b> > 5000 Sq. km per week = 10 Marks > 3000 Sq. km / week = 05 Marks <i>Attach purchase invoice showing hardware specification separately</i>	
<b>B</b>	<b>SUPPORT, MAINTENANCE &amp; TRAINING CAPABILITY; FIRMS HAVING</b>	<b>15</b>
(i)	Authorized local lab in sindh for support, maintenance & training of DGPS/GNSS equipment =10 Marks	
(ii)	Manufacture Internationally Certified trainer for training of DGPS/GNSS equipment = 05 Marks <i>Attach authentic certificate of authorized lab and international certification of trainer</i>	
<b>C</b>	<b>RELEVANT EXPERIENCE</b>	<b>40</b>
(i)	<b>Supply, Installation and Commissioning of Survey Equipment, IT Hardware &amp; Software</b> > At least 04 Projects Completed in Public/Private Sector = 10/05 Marks > At least 03 Projects Completed in Public/Private Sector = 05/03 Marks > At least 02 Project Completed in Public/Private Sector = 03/01 Marks <i>Attach authentic completion certificate for each work separately</i>	
(ii)	<b>Supply of Satellite Imageries in local market last two years:</b> > 20000 Sq. Km in Public/Private Sector = 15/10 Marks > 15000 Sq. Km in Public/Private Sector = 10/05 Marks > 10000 Sq. Km in Public/Private Sector = 05/03 Marks <i>Attach authentic completion certificate for each work separately</i>	
(iii)	<b>Works of Image Processing in local market last two years:</b> > 20000 Sq. Km in Public/Private Sector = 15/10 Marks > 15000 Sq. Km in Public/Private Sector = 10/05 Marks > 10000 Sq. Km in Public/Private Sector = 05/03 Marks <i>Attach authentic completion certificate for each work separately</i>	
<b>D</b>	<b>COMPLIANT WITH TECHNICAL STANDARDS/REQUIREMENTS</b>	<b>05</b>
(i)	Certificate of ISO 9001:2008 or equivalent =2.5 Marks	
(ii)	Association with principal or authorized satellite dealer =2.5 Marks <i>Attach valid authentic registration certificates &amp; dealer certificate</i>	
<b>E</b>	<b>FINANCIAL CAPABILITY</b>	<b>05</b>
	<b>Average Turnover for last three (03) years</b> > 100 M = 05 Marks > 50 M = 03 Marks <i>Attach authenticated audited financial statements for last 03 years</i>	
	<b>Total Marks</b>	<b>100</b>
	<b>Passing Marks</b>	<b>70</b>

43. Please note that if any of the prescribed mandatory requirements are not supported by documentary proof technical bids will not be considered and will be rejected ab initio. Similarly, if prescribed documentary proof is not attached as per evaluation criteria, marks will not be awarded.

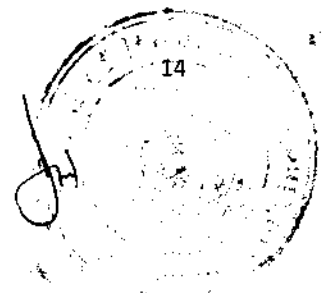


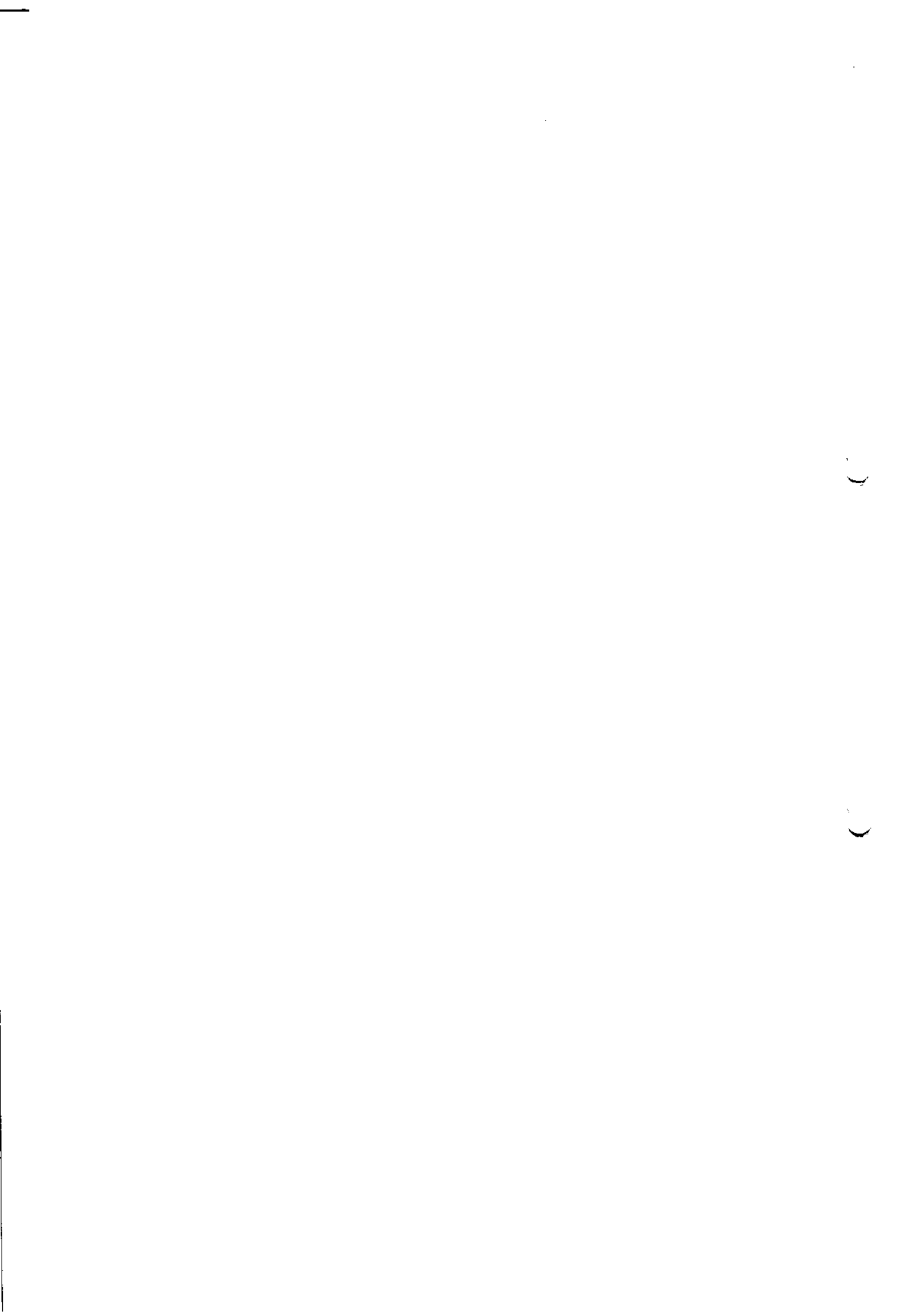


41. The names of the bidders who have been rejected on the grounds of their Technical Bids being substantially non-responsive to the requirements of the Bidding Documents will be announced before opening of Financial bids and their bid will be returned unopened before inviting others, who are determined as being qualified, to attend the opening of Price Bids.
42. The Price Bids of all Bidders who submitted substantially responsive Technical Bids shall be opened, publically in the presence of Bidders' representatives who choose to attend at the address, date and time specified by the Purchaser. The Bidder's representatives who are present shall be requested to sign a register/participant's attendance sheet evidencing their presence.
43. All envelopes containing Price Bids shall be opened one at a time and the following read out and recorded:
  - (a) The name of the Bidder;
  - (b) Amount and form of bid security @ 2% of the bid price.
  - (b) The Bid Prices, including any discounts and alternative offers;
44. Only Price Bids and discounts, read out and recorded during the opening of Price Bids shall be considered for evaluation. No Bid shall be rejected at the opening of Price Bids.
45. The firm who quoted lowest bid price for the complete package mentioned in the BOQ shall be deemed successful bidder and the Committee will announce the name of the successful bidder in the said meeting.

#### **NOTIFICATION OF AWARD**

46. Prior to expiration of the period of bid validity and after seven days of publication of Bid Evaluation Report (BER) on the website of Sindh Public Procurement Regulatory Authority (SPPRA) and after forwarding copy of BER to all participating bidders, the Purchaser will notify the successful bidder in writing ("Letter of Acceptance") that his Bid has been accepted. This letter shall name the sum which the Purchaser will pay to the Contractor in consideration of the execution and completion of the Works by the Contractor as prescribed by the Contract (which shall hereinafter and in the Conditions of Contract be called the "Contract Price").
47. No Negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted.
48. The notification of award and its acceptance by the bidder will constitute the formation of the Contract, binding the Purchaser and the bidder till signing of the formal Contract Agreement.





49. Upon furnishing by the successful bidder of a Performance Security @ 5% of contract price, the Purchaser will promptly notify the other bidders that their Bids have been unsuccessful and return their bid securities.

#### **PERFORMANCE SECURITY**

50. The successful bidder shall furnish to the Purchaser a Performance Security @ 5% of contract price in the form and the amount stipulated in the Bidding Data Sheet and the Conditions of Contract within a period of 28 days after the receipt of Letter of Acceptance.
51. Failure of the successful bidder to comply with the requirements shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

#### **INSTRUCTIONS FOR RESPONDING ORGANIZATIONS**

##### **Communication**

52. Enquiries regarding this RFP shall be submitted in writing to:  
Project Director, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi, Tel: +92-21-99251367-68 / Fax: +92-21-35305586/99251373.

##### **Mode of Delivery and Address**

53. Proposals shall be delivered by hand or courier so as to reach the address given below by the last date indicated for submission. PROPOSALS RECEIVED BY FAX OR EMAIL SHALL NOT BE ACCEPTED.

*Address: "Project Director, Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi. Tel:+92-21-99251367-68/ Fax: +92-21-35305586/99251373*

##### **Closing Date of Submission:**

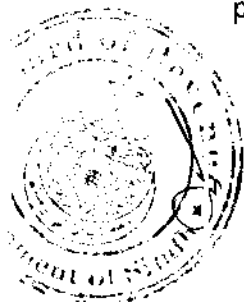
54. Proposal should be submitted on or before Friday May 22nd 2015 at 03:00 pm at the office of Project Director, Project Management Unit, Reforms Wing & Special Cell,



Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi, Tel: +92-21-99251367-68 / Fax: +92-21-35305586/99251373.

##### **Opening of Proposals**

55. The technical proposals submitted against the subject RFP will be opened on Friday May 22nd 2015 at 03:30 pm in the committee room of Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, adjacent Dr. Ziauddin Hospital, Clifton, Karachi, Tel: +92-21-99251367-68 / Fax: +92-21-35305586 in presence of all the bidders, or their representatives, who may choose to be present.





56. The financial proposal of only technically qualified bidders will be opened in next meeting of Procurement Committee notice of which will be intimated to qualified and disqualified bidders as per SPP Rules 2010.

**Team and Staffing**

57. While selecting a staff member following should be considered and stated for each member:
- Relevant experience
  - Experience with Public Sector / Government Organizations
  - Qualifications
  - Total Experience
58. The implementation team would play a pivotal role in the implementation of the systems and be responsible for harmonizing the business and other technology requirements. The Sample Form given in the relevant section should be used for providing CVs of staff to be deployed at this project, if required.

**Preliminary Evaluation Checklist**

59. The Bidder should fill out this Form by providing all the required information and Placing this Form on top of the Technical Proposal. Relevant portions of the Technical Proposal should be referenced in this form. Please note that all required information should be provided on this Form and no document should be attached.

**Information Required**

**a) General**

- 1 Name of Bidder or Group of companies going into bid.
- 2 No of Years in business in Pakistan
- 3 No of Offices locations in Pakistan
- 4 Annual Turnover (Million Rs.)
- 5 Value of projects in hand (details may be given)
- 6 Year of Incorporation
- 7 Status of the Bidder
  - Sole Proprietor
  - Partnership Firm
  - Private Limited Company
  - Public Limited Company
  - Entity registered / incorporated outside Pakistan (Give details)
  - Other (Please specify)
- 8 Names of Owner / Partners / Chief Executive / Directors
- 9 Details of Registered Head Office (Address, Phone, Facsimile, Email and Website information)

**b) Details of total staff employed**

- 1 No of permanent staff employed: Technical /Managerial
- 2 Cumulative Experience (in years)







- 3 Total No. of Support professionals in Technical Domain
- 4 Total No. of Staff assigned for the proposed project.

**c) Support Capabilities**

- 1 Experience in Support area
- 2 No. of Staff employed: (Capable of providing Support)
- 3 Cumulative Experience (in years)
- 4 List of Customers of "Support" along with contact details.
- 5 Installation and Configuration will be the responsibility of the successful Bidder.
- 6 Bidder should have backup equipment to provide sufficient services.

**d) Joint Ventures**

Bids submitted by a joint venture of two or more companies or partners shall comply with the following requirements:

- a) The Bid, and in case of successful Bid, the Contract form, shall be signed by all so as to be legally binding on all the partners;
- b) One of the partners shall be authorized to be Incharge; and this authority shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners;
- c) The partner Incharge shall be authorized to incur liabilities, receive payments and receive instructions for and on behalf of any or all partners of the joint venture;
- d) all partners of the joint venture shall be liable jointly and severally for the executing of the Contract in accordance with the Contract terms, and a relevant statement to this effect shall be included in the authorization mentioned under (b) above as well as in the Bid Form and the Form of Agreement (in case of a successful Bid); and
- e) A copy of the agreement entered into by the joint venture partners shall be submitted with the Bid.

**SPECIAL INSTRUCTIONS**

- Incomplete applications will not be considered.
- Any firm, which furnishes wrong information, will be liable for legal proceeding and if any contract is awarded, the same will be cancelled.
- Authority Letter or Agreement from Principal Company or its Distributor for product and vendor authentication.
- The tender must be filled on prescribed form without any alteration/over writing.
- Conditional tenders/bids will not be acceptable.
- Only companies registered with Sales Tax, Income Tax Departments & Sindh Revenue Board shall be eligible to participate in the tender (proof of registration is required).
- Every page of this tender document should be signed and sealed by the bidder.



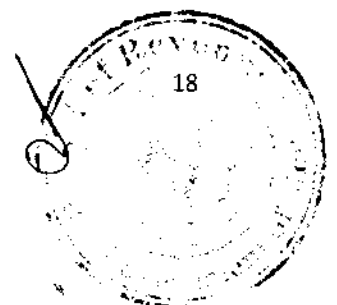


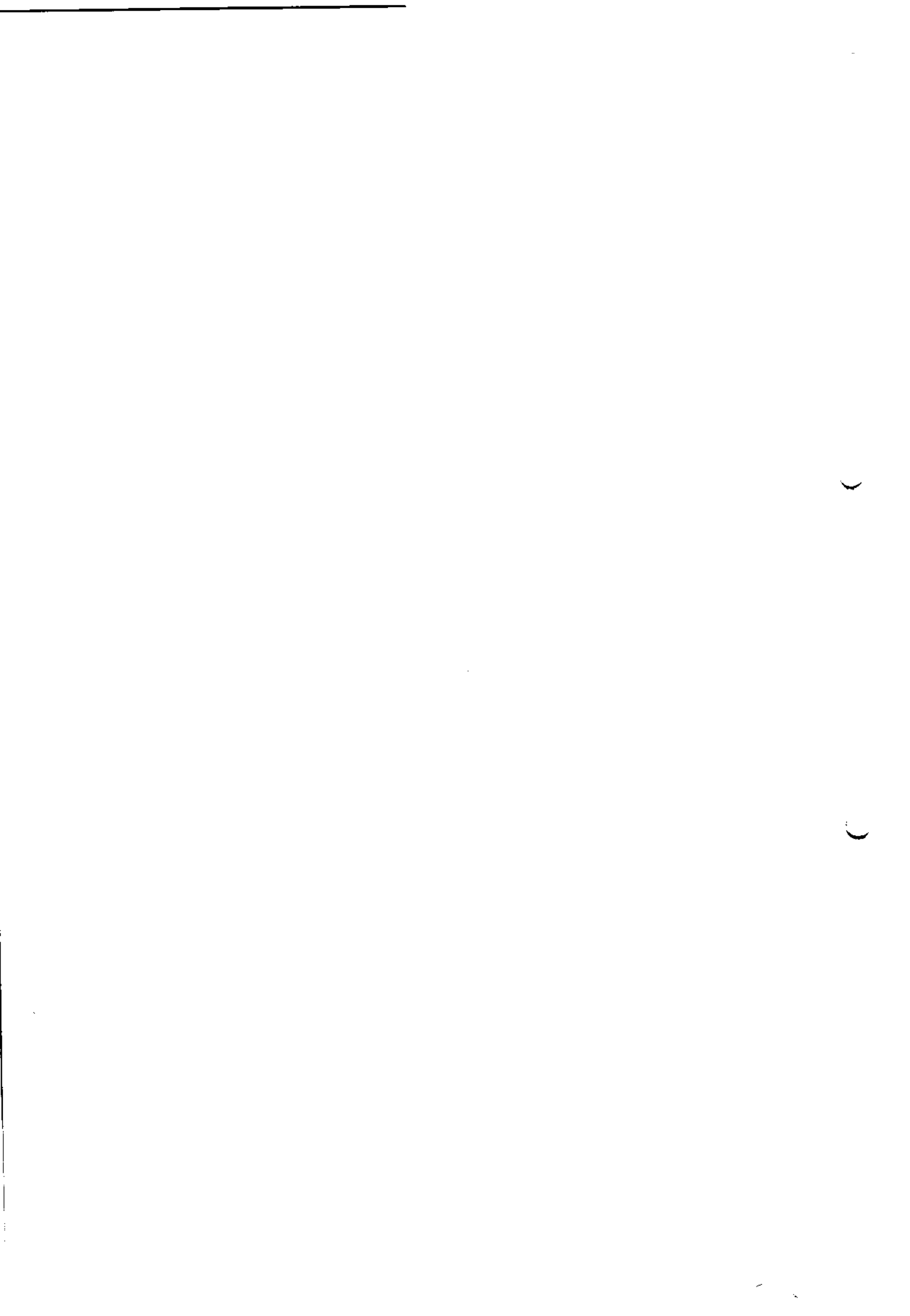
### **Contacting the Purchaser**

60. Any effort by a bidder to influence the Purchaser in the Purchaser's decisions in respect of bid evaluation or Contract award will result in the rejection of the bidder's bid.

### **SCOPE OF WORK**

61. In view of the extended services being provided by the GIS Section of PMU, Board of Revenue, Sindh for carrying out survey of government land, assessment of land use change analysis and identifying encroachments on state land through the use of latest satellite imagery under the directives of the Honourable Supreme Court of Pakistan in SMC 16/2011 and CP No. 09 of 2010, the existing IT capacity of the GIS Section of PMU is to be enhanced through procurement of necessary hardware, software including its commissioning, installation support and maintenance services.
62. Project Management Unit, Reforms Wing & Special Cell is actively engaged in capacity building of Board of Revenue, Government of Sindh through number of project components, aimed at developing the standards and systems of Information & Communication Technology at the international industry levels.
63. Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, invites tender through National Competitive Bidding under SPP Rules 2010.
64. Contractor shall also be responsible to provide GIS based Satellite Imagery of various Districts of Sindh Province for the area given in the BOQ items.
65. Vendor would be responsible for supply, commissioning & installation of hardware, software including support & maintenance services to GIS Section of PMU, BOR
66. Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh has right to terminate the contract if vendor fail in providing satisfactory services, hardware, equipment and all type of services and connectivity in given scheduled time. In addition to that, Security Deposit (CDR) amount will be forfeited.
67. SLA or any services agreement, if required, will be signed after implementation according to the satisfactory progress of the vendor and as per criteria of Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh.
68. Detailed Bill of quantities of GIS Satellite Imagery, Hardware & Software required under the bid alongwith detailed specifications is given here as under:





## BILL OF QUANTITIES

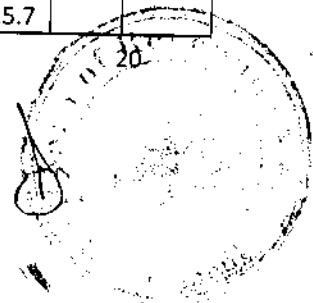
### HARDWARE REQUIREMENTS

S. No	Items	Specification	Qty	Unit
1.	Differential Global Positioning System (DGPS) [Base Station, Rover and Radio etc.]	GNSS with GSM and Internal/External UHF Radio Antennas, One base one rover set, Data collector with Real Time Post processing Survey software, Data of GNSS should be able to feed into Total Station with Window CE Software & vice versa, Compatible with windows software, Channel: 220 or more, Voice Messages Tracking Signals: GPS L1 C/A, L2E, L2C, L5 GLONASS: L1 C/A, L1P, L2 C/A, L2P; SBAS(WASS/EGNOS/MSAS) : L1, C/A, L5; GIOVE-A : L1 BOC, E5A, E5B, E5AltBOC; GIOVE-B : L1 CBOC, E5A, E5B, E5AltBOC; GALILEO : L1 CBOC, E5A, E5B, E5AltBOC (RESERVED); Beidou : B1, B2 (Activated); Horizontal Static accuracy: 3mm ± 0.5PPM; Vertical Static accuracy: 6mm ± 0.5PPM; Operating distance 30km Radius or better; Memory: 4 GB or better; Shock proof & water proof; UHF External RADIO 35W; Automatic correct system; Built-in Tilt Sensor / Tilt up to ±30 degree Automatic data collection during centering; GNSS RECEIVER IN STATIC MODE; Capable for key in BM name, Antenna height possible without data collector.	8	Nos.
2.	Image Processing Workstation	Processor: 2 x Intel Xeon E5-2699v3 2.3 Ghz 18 Core 45 MB Cache CPU, Graphic Adapter: NVIDIA Quadro K6000 12 GB DL-DVI(I)+DL-DVI(D)+2xDP cable included, Operating System (OS): License MS Windows 8.1 Pro 64-bit Downgrade to MS Windows 7 Pro 64-bit Preinstalled with OS & Driver DVD, Office Package: MS Office Home and Business 2013 SW, OS Storage: Turbo Device 512 GB SSD, Hard Disk: 8 x 600 GB 15k RPM SAS Hard Drive loaded with RAID 10 (Very High Reliability Combined with High Performance) Array Configuration, LAN Card: Intel Ethernet 1201 PCIe NIC, RAID Card: LSI 9270 – 8i SAS 6 GB RAID Card, Keyboard & Mouse: USB CCID SmartCard Keyboard & USB Optical 3-Button Mouse, DVD: 9.5mm Slim SuperMulti DVDRW, RAM: 256 GB DDR4-2133 (16 x 16 GB) 2 CPU Registered RAM, Power Supply: 1100W or higher Power Supply, Cooling Kit: Dual Processor Air Cooling Kit, Warranty: Complete 3 Year Warranty by Manufacture, Display Port: Dual Link DVI Adapter with Cable, Serial Port: Yes, Alarm on Casing via BIOS Logging, Display: 27-in LED Backlit IPS Monitor including all allied software's.	2	Nos.
3.	Workstation for Directorate Office	Processor: Intel Xeon E5-1660v3 3.0 Ghz 8 Core 20 MB Cache CPU, Graphic Adapter: NVIDIA Quadro K5200 8 GB DL-DVI(I)+DP+DP cables included, Operating System (OS): License MS Windows 8.1 Pro 64-bit Downgrade to MS Windows 7 Pro 64-bit Preinstalled with OS & Driver DVD, Office Package: MS Office Home and Business 2013 SW, OS Storage: Turbo Device 256 GB SSD, RAID Card: LSI 9217 – 4i4e 8 Port SAS Card, Hard Disk: 2 x 1.2	5	Nos.





		TB 10K RPM SAS SFF Hard Drive, LAN Card: Intel Ethernet 1201 PCIe NIC, Keyboard & Mouse: USB CCID SmartCard Keyboard & USB Optical 3-Button Mouse, DVD: 16X SuperMulti DVDRW SATA, RAM: 16 GB DDR4-2133 ECC (4 x 4 GB) Registered RAM, Power Supply: 700W or higher Power Supply, Cooling Kit: Processor Air Cooling Kit, Warranty: Complete 3 Year Warranty by Manufacture, Display Port: Dual Link DVI Adapter with Cable, Alarm on Casing via Bios Logging, Serial Port: Yes and Display: 24-in LED Backlit IPS Monitor including all allied software's.		
4.	Passport Drive	Capacity: 5 TB, Connectivity: USB 3.0 ports, Shocking speeds up to 215 MB/s, Fan-free Aluminum Heat Sink Design and Data Security with Encryption.	6	Nos.
5.	External DVD Writer	Writing Speed: DVD±R 8x, DVD±R DL 6x, DVD+RW 8x, DVD-RW 6x, DVD-RAM 5x and CD-R 24x. Reading Speed: DVD 8x, DVD-RAM 5x and CD 24x. USB bus-powered with cable and case, Mac & Windows compatible, Software: Burn CDs/DVDs software.	6	Nos.
6.	Paper Cutter	Max. Paper Cutting Length: 51 Inch, Max. Cut Thickness: 0.18 inch, Heavy Duty, Manual rotary trimmer (with stand), stacks of paper up to 32 sheets thick, adjustable reference guides, transparent clamp strip, self-sharpening and hardened steel rolling blades including all allied essential and mandatory peripherals.	1	Nos.
7.	Production Plotter	Model Size: 42 inch, Memory: 64 GB (virtual), Hard Disk: 320 GB, Print Quality (Best) Color: Up to 2400 x 1200 optimized dpi, Print Technology: Thermal Inkjet, Number of Print Cartridges: 6 (cyan, magenta, yellow, matte black, gray, dark gray), Compatible Ink Types: Dye-based (C, M, Y, G, DG) & pigment-based (mK), Guaranteed minimum line width: 0.0024 in (ISO/IEC 13660:2001(E)), Line Accuracy: +/- 0.1%, Print Speed Specifications: Print time color image ISO N5 (best, D glossy paper): 4 min/page, Print time color image ISO N5 (normal, D glossy paper): 3.1 min/page, Print time color image ISO N5 (draft, D coated paper): 17.5 sec/page, Print time color image ISO N5 (normal, D coated paper): 1.25 min/page, Print time line drawing (economode, D plain paper): 15.5 sec/page, Print speed line drawing (economode, D plain paper): 165 D prints per hour, Print speed 1320 ft <sup>2</sup> /hr, Finished output handling: Two roll feeds (upgradeable to three), automatic roll switching rolls up to 200 m (650 ft) each & automatic cutter media bin, Media types: 2 and 3-in core: bond and coated paper (bond, coated, recycled, heavyweight coated), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), photographic paper (satin, gloss, semi-gloss, matte, high-gloss), self-adhesive (indoor paper, polypropylene, vinyl), banner and sign material (backlit, outdoor paper, blue back billboard paper), Media Weight: 16 to 90 lb, Media Sizes: (sheets, rolls): 11 to 42-in rolls, Roll External Diameter: 7.08 in, Media Thickness: Up to 15.7	1	Nos.

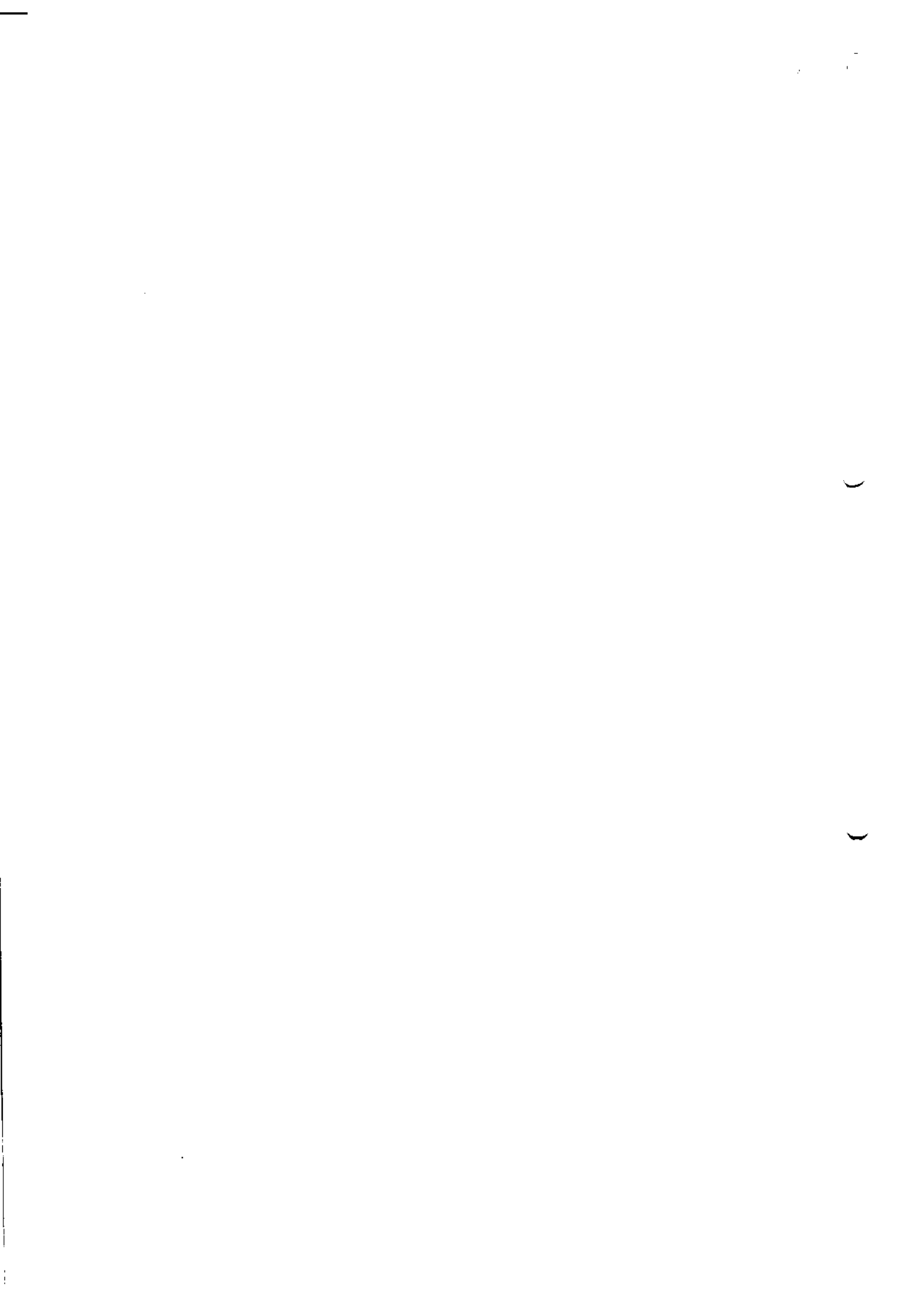




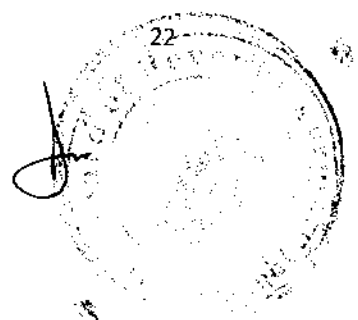


		mil, Connectivity: Gigabit Ethernet (1000Base-T) including all allied software's.		
8.	Plotter for Directorate Office	Model Size: 42 inch, Memory: 500 MB, Mechanical Print time - B&W line drawing - Draft mode - Plain: 38 D prints per hour, Mechanical Print time - line drawing - Economode - Plain: 38 D prints per hour, Resolution (Black): Up to 2400 x 1200 optimized dpi from 1200 x 1200 input dpi and Optimization For Photo Paper selected, Resolution (Color): Up to 2400 x 1200 optimized dpi, Print Technology: Thermal Inkjet, Number of Print Cartridges: 4 (cyan, magenta, yellow, black), Compatible Ink types: Dye-based (C M Y) & pigment-based (K), Connectivity: Fast Ethernet (100Base-T); Hi-Speed USB 2.0 with cable, Non-printable area (Cut-Sheet): 0.2 x 0.67 x 0.2 x 0.2 in, Guaranteed Minimum line width: 0.0028 in (ISO/IEC 13660:2001(E)), Line accuracy: +/- 0.1%, Finished output handling: Sheet feed; roll feed; input tray; media bin; automatic cutter, Media sizes supported: Input tray: A4 - A3, Manual feed: A2 A1 A0, Media sizes: standard 8.3 to 36-in wide sheets; 11 to 36-in rolls, Roll maximum output: 150 ft, Roll external diameter: 3.9 in, Mechanical print time, US D color image, best mode, glossy: 11.4 min/page, Mechanical print time, US D color image, normal mode, glossy: 9.1 min/page, Mechanical print time, US D color image, draft mode, coated: 1.1 min/page, Mechanical print time, US D color image, normal mode, coated: 3.8 min/page and Mechanical print time, color line drawing, draft mode, plain: 35 sec/page, US D color line drawings/hr, draft mode, plain: 38 D prints per hour including all allied software's.	2	Nos.
9.	LIPS for Workstations	Input Connection: IEC-320 C14, Output Connection: IEC-320 C13, Communication Interface: USB, Form Factor: Mini tower, Capacity (VA / W): 1000 / 600, Nominal Input Power: 230VAC - single phase with ground - 50 or 60Hz auto-select, Input Voltage: 160 to 287VAC, Input Frequency: 50 / 60Hz ± 5%, Transfer Time (AC to DC): 4 to 6ms typical, Surge Protection: 220J, Wave Form: Stepped Sinewave and includes all allied software's.	6	Nos.
10.	Desktop Computer	Processor: Intel® Core™ i7 - 4790 Processor, Processor Speed: Up to 4.0 GHz Max Turbo Frequency (3.6 GHz base frequency) 8 MB cache - 4 cores - 8 threads, Chipset: Intel® Q87 Express chipset Supports Intel® vPro™ Technology and Intel® Stable Image Platform Program (SIPP), Memory: 8 GB DDR3 (2 x 4 GB) RAM, Hard Disk Drive: 1 TB 7200RPM SATA-6G HDD, Optical Drive: DVDRW Drive, Display: 18.5" LED LCD Screen, Graphics: Intel HD Graphics 4600, Keyboard: USB Standard Keyboard, Mouse: USB Optical Mouse, NIC: Intel® Ethernet Connection I217L GbE LOM integrated network connection, Audio: DTS Sound audio management technology, Ports: Parallel and USB Ports, Power Supply: 320W, Standard efficiency or 90% high	8	Nos.





		efficiency Power Supply, Chassis: Micro Tower Chassis and Operating System: Windows 8.1 Professional 64 Bit License Software.		
11.	UPS for PC	Input Connection: IEC-320 C14, Output Connection: IEC-320 C13, Communication Interface: USB, Form Factor: Mini tower, Capacity (VA / W): 1000 / 600, Nominal Input Power: 230VAC - single phase with ground - 50 or 60Hz auto-select, Input Voltage: 160 to 287VAC, Input Frequency: 50 / 60Hz ± 5%, Transfer Time (AC to DC): 4 to 6ms typical, Surge Protection: 220J, Wave Form: Stepped Sinewave and Includes all allied software's.	20	Nos.
12.	Color Laser Printer	Print Technology: Laser, Print Speed: Up to 20 ppm, letter/A4 and black-and-white/color, Print resolution: Up to 600 x 600 dpi, Memory: Standard - 192 MB and expandable to 448 MB, Paper Input: 100-sheet multipurpose tray 1, 250-sheet tray 2; optional 500-sheet tray 3, Paper Output: 250-sheet face-down output bin, Paper Sizes Supported: A3, A4, A5, A6, RA3, SRA3, B4, B5, 8k, 16k, 10x15 cm, post cards (JIS single and double); letter, legal, executive, 11 x 17 in, 12 x 18 in, 4 x 6 in, 5 x 8 in, 8.5 x 13 in; envelopes (DL, C5, B5, No. 10, Monarch); custom: 76 x 127 mm (3 x 5 in) to 320 x 457 mm (12.6 x 18 in), custom: 148 x 182 mm (5.8 x 7.2 in) to 297 x 432 mm (11.7 x 17 in), custom: 148 x 210 mm (5.8 x 8.3 in) to 297 x 432 mm (11.7 x 17 in) Automatic two-sided printing: A3, A4, A5, RA3, SRA3, B4, B5, 8k, 16k, double postcard; letter, legal, executive, 11 x 17 in, 12 x 18 in, 8.5 x 13 in, Connectivity: Hi-Speed USB 2.0 with cable, built-in Fast Ethernet 10/100 Base-T network port and including all allied software's.	2	Nos.
13.	Fax Machine	Laser Print Quality: 19-ppm, Laser Printing (A4): 600 x 600 dpi, Printing Resolution: 250-Sheet Paper Tray, Laser printing on plain paper, 150-Page Document Memory*, Error Correction Mode (ECM), Dual Access Operation, Fax LASER, in super quality features: 600 dpi. Storage memory: 40 page full paper, Speed fax and photo gray/01 page 6, Load the paper tray of 200 Shows the number of calls, Use levels: Volume 2000 page and use as a printer with your computer.	2	Nos.
14.	Fixed Projector	Projection System: DLP, Native Resolution: XGA (1024x768), Brightness: 4000 ANSI Lumen, Contrast Ratio: 13000:1, Display Color: 1.07 Billion Colors, Lens: F=2.58~3.24 & f=15.94~25.5mm, Aspect Ratio: Native 4:3 (5 aspect ratio selectable), Throw Ratio: 1.39~2.26, Image Size (Diagonal): 33" ~ 300", Zoom Ratio: 1.6x and Lamp Type: Up to 310W.	1	Nos.
15.	Portable Projector	Projection System: DLP, Native Resolution: XGA (1024x768), Brightness: 3000 AL, Contrast Ratio: 13000:1, Display Color: 1.07 Billion Colors, Lens: F=2.56~2.8 & f=21~23.1mm, Aspect Ratio: Native 4:3 (5 aspect ratio selectable), Throw Ratio: 1.86~2.04, image Size (Diagonal): 36" ~ 300", Zoom Ratio: 1.1:1 and Lamp Type: Up to 190W.	1	Nos.



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16.	Interactive White Board	Size: 84 Inch, Active Size: 79.3 Inch, Aspect Ratio: 4:3 with left and right icons, Touch Way: Finger, pointer or any other opaque objects, Multi-touch: 2 points or 4 points, Orientation Accuracy: < 1mm, Cursor Speed: Approximately 180 dots per second, Resolution: 16384 (W) x 16384 (D), Board Material: Nano galvanized sheet, aluminum honeycomb panel, Mounting Way: Wall mounting and Mobile Stand include, Interface: USB 2.0, Power Supply: USB and including all mandatory items.	1	Nos.
17.	High Resolution Satellite Imagery including its Processing	Total Area to be acquired & Processed: 56,000 Sq. KM	1	Nos.
18.	Image Processing Software	I. ERDAS Imagine 2015 (Professional) 64 bit	1	Nos.
		II. ERDAS Geospatial Portfolio 2015	1	Nos.
19.	DGPS Processing Software	Precision Survey Software compatible with DGPS	2	Nos.
20.	Support and Maintenance	One Year Complete Hardware Maintenance and Support.	1	Nos.

**Technology Features**

69. The Vendor must describe the technology, type and standards.

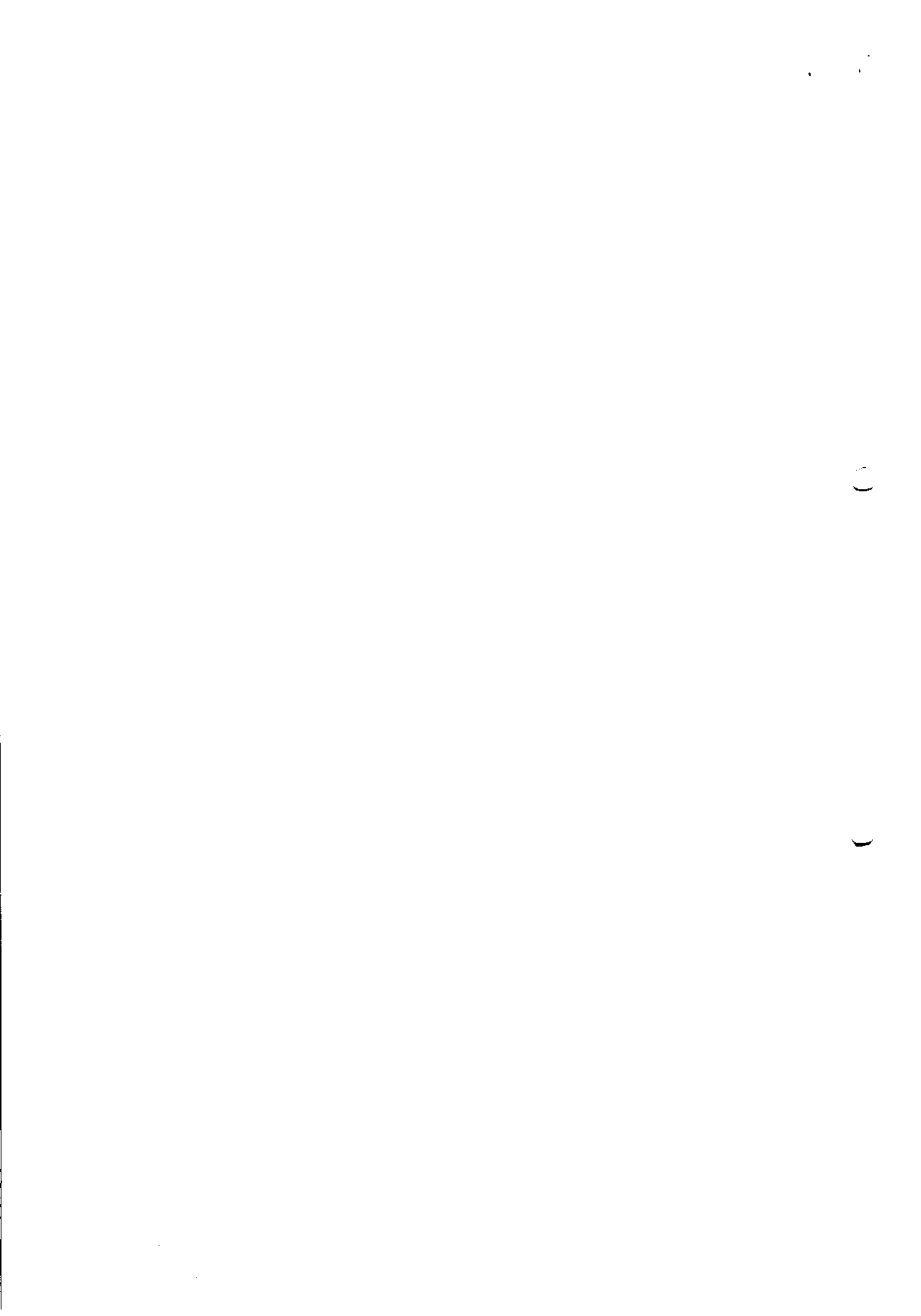
**Warranty**

70. Describe in detail the warranties provided by the supplier for the technology proposed.

**Maintenance and Support**

71. Describe imagery maintenance options available.

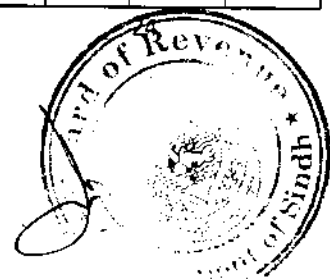


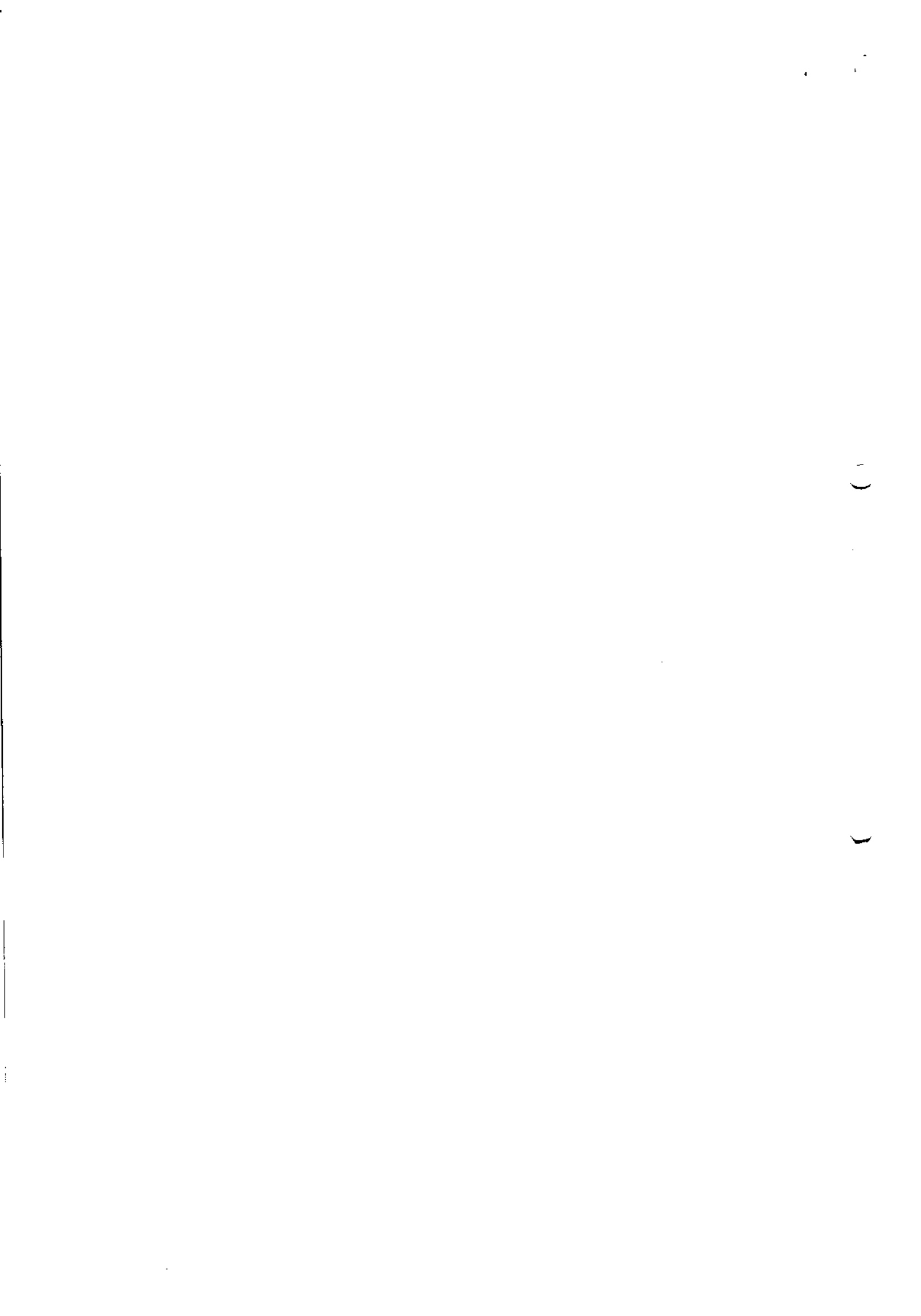


### SCHEDULE OF PRICE BID

72. The bidders should submit their price bid/financial proposal in the following prescribed format detailing item, its quantity, unit price & total price in accordance with the terms and conditions and provisions of this RFP document.

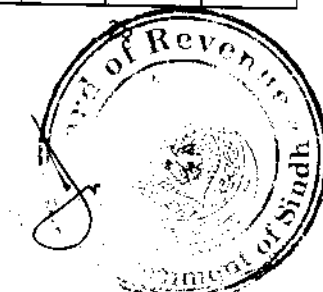
<b>HARDWARE REQUIREMENTS</b>						
S. No	Items	Specification	Qty	Unit	Unit Price	Total Price
1.	Differential Global Positioning System (DGPS) [Base Station, Rover and Radio etc.]	GNSS with GSM and Internal/External UHF Radio Antennas, One base one rover set, Data collector with Real Time Post processing Survey software, Data of GNSS should be able to feed into Total Station with Window CE Software & vice versa, Compatible with windows software, Channel: 220 or more, Voice Messages Tracking Signals: GPS L1 C/A, L2E, L2C, L5 GLONASS: L1 C/A, L1P, L2 C/A, L2P; SBAS(WASS/EGNOS/MSAS) : L1, C/A, L5; GIOVE-A : L1 BOC, E5A, E5B, E5AltBOC; GIOVE-B : L1 CBOC, E5A, E5B, E5AltBOC; GALILEO : L1 CBOC, E5A, E5B, E5AltBOC (RESERVED); Beidou : B1, B2 (Activated); Horizontal Static accuracy: 3mm ± 0.5PPM; Vertical Static accuracy: 6mm ± 0.5PPM; Operating distance 30km Radius or better; Memory: 4 GB or better; Shock proof & water proof; UHF External RADIO 35W; Automatic correct system; Built-In Tilt Sensor / Tilt up to ±30 degree Automatic data collection during centering; GNSS RECEIVER IN STATIC MODE; Capable for key in BM name, Antenna height possible without data collector.	8	Nos.		
2.	Image Processing Workstation	Processor: 2 x Intel Xeon E5-2699v3 2.3 Ghz 18 Core 45 MB Cache CPU, Graphic Adapter: NVIDIA Quadro K6000 12 GB DL-DVI(I)+DL-DVI(D)+2xDP cable included, Operating System (OS): License MS Windows 8.1 Pro 64-bit Downgrade to MS Windows 7 Pro 64-bit Preinstalled with OS & Driver DVD, Office Package: MS Office Home and Business 2013 SW, OS Storage: Turbo Device 512 GB SSD, Hard Disk: 8 x 600 GB 15k RPM SAS Hard Drive loaded with RAID 10 (Very High Reliability Combined with High Performance) Array Configuration, LAN Card: Intel Ethernet 1201 PCIe NIC, RAID Card: LSI 9270 – 8i SAS 6 GB RAID Card, Keyboard & Mouse: USB CCID SmartCard Keyboard & USB Optical 3-Button Mouse, DVD: 9.5mm Slim SuperMulti DVDRW, RAM: 256 GB DDR4-2133 (16 x 16 GB) 2 CPU Registered RAM, Power Supply: 1100W or higher Power Supply, Cooling Kit: Dual Processor Air Cooling Kit, Warranty: Complete 3 Year Warranty by Manufacture, Display Port: Dual Link DVI Adapter with Cable, Serial Port: Yes, Alarm on Casing via Bios Logging, Display: 27-in LED Backlit IPS Monitor including all allied software's.	2	Nos.		
3.	Workstation for Directorate Office	Processor: Intel Xeon E5-1660v3 3.0 Ghz 8 Core 20 MB Cache CPU, Graphic Adapter: NVIDIA Quadro K5200 8 GB DL-DVI(I)+DP+DP cables included, Operating System	5	Nos.		







		(OS): License MS Windows 8.1 Pro 64-bit Downgrade to MS Windows 7 Pro 64-bit Preinstalled with OS & Driver DVD, Office Package: MS Office Home and Business 2013 SW, OS Storage: Turbo Device 256 GB SSD, RAID Card: LSI 9217 – 4i4e 8 Port SAS Card, Hard Disk: 2 x 1.2 TB 10K RPM SAS SFF Hard Drive, LAN Card: Intel Ethernet 1201 PCIe NIC, Keyboard & Mouse: USB CCID SmartCard Keyboard & USB Optical 3-Button Mouse, DVD: 16X SuperMulti DVDRW SATA, RAM: 16 GB DDR4-2133 ECC (4 x 4 GB) Registered RAM, Power Supply: 700W or higher Power Supply, Cooling Kit: Processor Air Cooling Kit, Warranty: Complete 3 Year Warranty by Manufacture, Display Port: Dual Link DVI Adapter with Cable, Alarm on Casing via Bios Logging, Serial Port: Yes and Display: 24-in LED Backlit IPS Monitor including all allied software's.				
4.	Passport Drive	Capacity: 5 TB, Connectivity: USB 3.0 ports, Shocking speeds up to 215 MB/s, Fan-free Aluminum Heat Sink Design and Data Security with Encryption.	6	Nos.		
5.	External DVD Writer	Writing Speed: DVD±R 8x, DVD±R DL 6x, DVD+RW 8x, DVD-RW 6x, DVD-RAM 5x and CD-R 24x. Reading Speed: DVD 8x, DVD-RAM 5x and CD 24x. USB bus-powered with cable and case, Mac & Windows compatible, Software: Burn CDs/DVDs software.	6	Nos.		
6.	Paper Cutter	Max. Paper Cutting Length: 51 Inch, Max. Cut Thickness: 0.18 Inch, Heavy Duty, Manual rotary trimmer (with stand), stacks of paper up to 32 sheets thick, adjustable reference guides, transparent clamp strip, self-sharpening and hardened steel rolling blades including all allied essential and mandatory peripherals.	1	Nos.		
7.	Production Plotter	Model Size: 42 inch, Memory: 64 GB (virtual), Hard Disk: 320 GB, Print Quality (Best) Color: Up to 2400 x 1200 optimized dpi, Print Technology: Thermal Inkjet, Number of Print Cartridges: 6 (cyan, magenta, yellow, matte black, gray, dark gray), Compatible Ink Types: Dye-based (C, M, Y, G, DG) & pigment-based (mK), Guaranteed minimum line width: 0.0024 in (ISO/IEC 13660:2001(E)), Line Accuracy: +/- 0.1%, Print Speed Specifications: Print time color image ISO N5 (best, D glossy paper): 4 min/page, Print time color image ISO N5 (normal, D glossy paper): 3.1 min/page, Print time color image ISO N5 (draft, D coated paper): 17.5 sec/page, Print time color image ISO N5 (normal, D coated paper): 1.25 min/page, Print time line drawing (economode, D plain paper): 15.5 sec/page, Print speed line drawing (economode, D plain paper): 165 D prints per hour, Print speed 1320 ft <sup>2</sup> /hr, Finished output handling: Two roll feeds (upgradeable to three), automatic roll switching rolls up to 200 m (650 ft) each & automatic cutter media bin, Media types: 2 and 3-in core: bond and coated paper (bond, coated, recycled, heavyweight coated), technical paper (natural tracing, translucent bond, vellum), film (clear, matte, polyester), photographic paper (satin, gloss, semi-gloss, matte,	1	Nos.		





		high-gloss), self-adhesive (indoor paper, polypropylene, vinyl), banner and sign material (backlit, outdoor paper, blue back billboard paper), Media Weight: 16 to 90 lb, Media Sizes: (sheets, rolls): 11 to 42-in rolls, Roll External Diameter: 7.08 in, Media Thickness: Up to 15.7 mil, Connectivity: Gigabit Ethernet (1000Base-T) including all allied software's.					
8.	Plotter for Directorate Office	Model Size: 42 inch, Memory: 500 MB, Mechanical Print time - B&W line drawing - Draft mode - Plain: 38 D prints per hour, Mechanical Print time - line drawing - Economode - Plain: 38 D prints per hour, Resolution (Black): Up to 2400 x 1200 optimized dpi from 1200 x 1200 input dpi and Optimization For Photo Paper selected, Resolution (Color): Up to 2400 x 1200 optimized dpi, Print Technology: Thermal Inkjet, Number of Print Cartridges: 4 (cyan, magenta, yellow, black), Compatible Ink types: Dye-based (C M Y) & pigment-based (K), Connectivity: Fast Ethernet (100Base-T); Hi-Speed USB 2.0 with cable, Non-printable area (Cut-Sheet): 0.2 x 0.67 x 0.2 x 0.2 in, Guaranteed Minimum line width: 0.0028 in (ISO/IEC 13660:2001(E)), Line accuracy: +/- 0.1%, Finished output handling: Sheet feed; roll feed; input tray; media bin; automatic cutter, Media sizes supported: Input tray: A4 - A3, Manual feed: A2 A1 A0, Media sizes: standard 8.3 to 36-in wide sheets; 11 to 36-in rolls, Roll maximum output: 150 ft, Roll external diameter: 3.9 in, Mechanical print time, US D color image, best mode, glossy: 11.4 min/page, Mechanical print time, US D color image, normal mode, glossy: 9.1 min/page, Mechanical print time, US D color image, draft mode, coated: 1.1 min/page, Mechanical print time, US D color image, normal mode, coated: 3.8 min/page and Mechanical print time, color line drawing, draft mode, plain: 35 sec/page, US D color line drawings/hr, draft mode, plain: 38 D prints per hour including all allied software's.	2	Nos.			
9.	UPS for Workstations	Input Connection: IEC-320 C14, Output Connection: IEC-320 C13, Communication Interface: USB, Form Factor: Mini tower, Capacity (VA / W): 1000 / 600, Nominal Input Power: 230VAC - single phase with ground - 50 or 60Hz auto-select, Input Voltage: 160 to 287VAC, Input Frequency: 50 / 60Hz ± 5%, Transfer Time (AC to DC): 4 to 6ms typical, Surge Protection: 220J, Wave Form: Stepped Sinewave and includes all allied software's.	6	Nos.			
10.	Desktop Computer	Processor: Intel® Core™ i7 - 4790 Processor, Processor Speed: Up to 4.0 GHz Max Turbo Frequency (3.6 GHz base frequency) 8 MB cache - 4 cores - 8 threads, Chipset: Intel® Q87 Express chipset Supports Intel® vPro™ Technology and Intel® Stable Image Platform Program (SIPP), Memory: 8 GB DDR3 (2 x 4 GB) RAM, Hard Disk Drive: 1 TB 7200RPM SATA-6G HDD, Optical Drive: DVDRW Drive, Display: 18.5" LED LCD Screen, Graphics: Intel HD Graphics 4600, Keyboard: USB	8	Nos.			





		Standard Keyboard, Mouse: USB Optical Mouse, NIC: intel® Ethernet Connection I217L GbE LOM integrated network connection, Audio: DTS Sound audio management technology, Ports: Parallel and USB Ports, Power Supply: 320W, Standard efficiency or 90% high efficiency Power Supply, Chassis: Micro Tower Chassis and Operating System: Windows 8.1 Professional 64 Bit License Software.				
11.	UPS for FC	Input Connection: IEC-320 C14, Output Connection: IEC-320 C13, Communication Interface: USB, Form Factor: Mini tower, Capacity (VA / W): 1000 / 600, Nominal Input Power: 230VAC - single phase with ground - 50 or 60Hz auto-select, Input Voltage: 160 to 287VAC, Input Frequency: 50 / 60Hz ± 5%, Transfer Time (AC to DC): 4 to 6ms typical, Surge Protection: 220J, Wave Form: Stepped Sinewave and Includes all allied software's.	20	Nos.		
12.	Color Laser Printer	Print Technology: Laser, Print Speed: Up to 20 ppm, letter/A4 and black-and-white/color, Print resolution: Up to 600 x 600 dpi, Memory: Standard - 192 MB and expandable to 448 MB, Paper Input: 100-sheet multipurpose tray 1, 250-sheet tray 2; optional 500-sheet tray 3, Paper Output: 250-sheet face-down output bin, Paper Sizes Supported: A3, A4, A5, A6, RA3, SRA3, B4, B5, 8k, 16k, 10x15 cm, post cards (JIS single and double); letter, legal, executive, 11 x 17 in, 12 x 18 in, 4 x 6 in, 5 x 8 in, 8.5 x 13 in; envelopes (DL, C5, B5, No. 10, Monarch); custom: 76 x 127 mm (3 x 5 in) to 320 x 457 mm (12.6 x 18 in), custom: 148 x 182 mm (5.8 x 7.2 in) to 297 x 432 mm (11.7 x 17 in), custom: 148 x 210 mm (5.8 x 8.3 in) to 297 x 432 mm (11.7 x 17 in) Automatic two-sided printing: A3, A4, A5, RA3, SRA3, B4, B5, 8k, 16k, double postcard; letter, legal, executive, 11 x 17 in, 12 x 18 in, 8.5 x 13 in, Connectivity: Hi-Speed USB 2.0 with cable, built-in Fast Ethernet 10/100 Base-T network port and including all allied software's.	2	Nos.		
13.	Fixed Projector	Projection System: DLP, Native Resolution: XGA (1024x768), Brightness: 4000 ANSI Lumen, Contrast Ratio: 13000:1, Display Color: 1.07 Billion Colors, Lens: F=2.58~3.24 & f=15.94~25.5mm, Aspect Ratio: Native 4:3 (5 aspect ratio selectable), Throw Ratio: 1.39~2.26, Image Size (Diagonal): 33" ~ 300", Zoom Ratio: 1.6x and Lamp Type: Up to 310W.	1	Nos.		
14.	Portable Projector	Projection System: DLP, Native Resolution: XGA (1024x768), Brightness: 3000 AL, Contrast Ratio: 13000:1, Display Color: 1.07 Billion Colors, Lens: F=2.56~2.8 & f=21~23.1mm, Aspect Ratio: Native 4:3 (5 aspect ratio selectable), Throw Ratio: 1.86~2.04, Image Size (Diagonal): 36" ~ 300", Zoom Ratio: 1.1:1 and Lamp Type: Up to 190W.	1	Nos.		
15.	Fax Machine	Laser Print Quality: 19-ppm, Laser Printing (A4): 600 x 600 dpi, Printing Resolution: 250-Sheet Paper Tray, Laser printing on plain paper, 150-Page Document Memory*, Error Correction Mode (ECM), Dual Access Operation, Fax LASER, in super quality features: 600 dpi.	2	Nos.		





		Storage memory: 40 page full paper, Speed fax and photo gray/01 page 6, Load the paper tray of 200 Shows the number of calls, Use levels: Volume 2000 page and use as a printer with your computer.				
16.	Interactive White Board	Size: 84 Inch, Active Size: 79.3 Inch, Aspect Ratio: 4:3 with left and right icons, Touch Way: Finger, pointer or any other opaque objects, Multi-touch: 2 points or 4 points, Orientation Accuracy: < 1mm, Cursor Speed: Approximately 180 dots per second, Resolution: 16384 (W) x 16384 (D), Board Material: Nano galvanized sheet, aluminum honeycomb panel, Mounting Way: Wall mounting and Mobile Stand include, Interface: USB 2.0, Power Supply: USB and including all mandatory items.	1	NOS.		
<b>SATELLITE IMAGERY REQUIREMENT</b>						
17.	High Resolution Satellite Imagery including its Processing	Total Area to be acquired & Processed: 56,000 Sq. KM	1	Nos.		
<b>LICENSE SOFTWARE REQUIREMENT</b>						
18.	Image Processing Software	I. ERDAS Imagine 2015 (Professional) 64 bit	1	Nos.		
		II. ERDAS Geospatial Portfolio 2015	1	Nos.		
19.	DGPS Processing Software	Precision Survey Software compatible with DGPS	2	Nos.		
20.	Support and Maintenance	One Year Complete Hardware Maintenance and Support.	1	Nos.		



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**BID FORM**

To,  
Project Director,  
Project Management Unit,  
Reforms Wing & Special Cell,  
Board of Revenue,  
Government of Sindh  
Karachi.

Sir,  
Having examined the bidding documents, the receipt of which is hereby duly acknowledged, for the above Contract, we, the undersigned, offer to offer our services for **“Supply, Commissioning & Installation of Hardware & Software including Support & Maintenance for GIS Section of PMU BOR”** in conformity with the said bidding documents for the Total Bid Price.

Pak Rupees (in figures \_\_\_\_\_ in words \_\_\_\_\_)

or such other sums as may be ascertained in accordance with the Price Schedule attached hereto and made part of this bid.

We undertake, if our bid is accepted, to complete the works in accordance with the Contract Execution Schedule.

If our Bid is accepted, we will provide the performance security in the sum equivalent to 5% for the due performance of the Contract.

We agree to abide by this Bid for the period of ninety (90) days from the date fixed for bid opening of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof in your Notification of Contract Award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest-priced or any Bid that you may receive.  
Dated this-----day of -----2015

**WITNESS**

-----  
**BIDDER**

Signature -----

Signature -----

Name -----

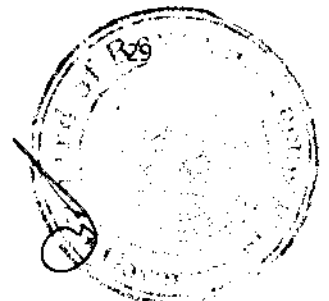
Name -----

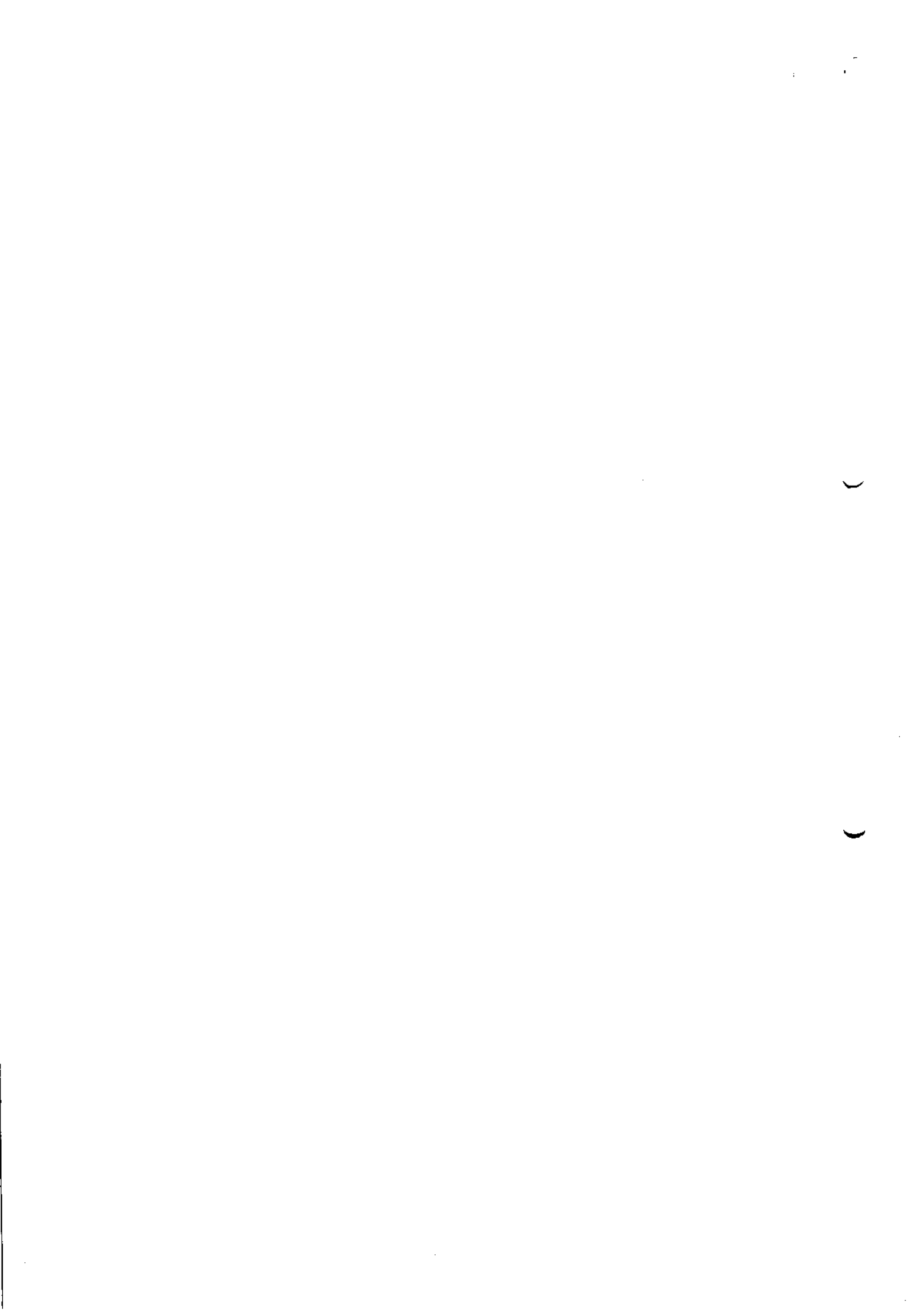
Title -----

Title -----

Address -----

Address -----





## BID SECURITY FORM

WHEREAS [Name of Bidder] (hereinafter called "the Bidder" has submitted its bid dated [date] for the "Supply, Commissioning & Installation of Hardware & Software including Support & Maintenance for GIS Section of PMU BOR" ,(hereinafter called "the Bid").

KNOW ALL MEN by these presents that we [Name of the Bank] of [Name of Country] having our registered office at [Address of Bank] (hereinafter called "the Bank") are bound into the Project Management Unit, Reforms Wing & Special Cell, Board of Revenue, Government of Sindh, Karachi, Pakistan (hereinafter called "the Purchaser") in the sum of -----, for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns, by these presents.

Sealed with the Common Seal of the Bank this-----day of-----, 2015

THE CONDITIONS of this obligation are:

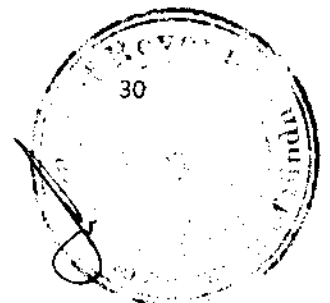
1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder does not accept the corrections of his Total Bid Price; or
3. If the Bidder, having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity:
  - (a) Fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders; or
  - (b) Fails or refuses to execute the Contract Form, when requested. or

We undertake to pay to the Purchaser up to the above amount, according to, and upon receipt of, its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both or all the three above stated conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to -----, the period of bid validity, and any demand in respect thereof should reach the Bank not later than such date.

By [Bank]  
(Title)

Authorized Representative





**PERFORMANCE SECURITY FORM**

To,  
Project Director,  
Project Management Unit,  
Reforms Wing & Special Cell,  
Board of Revenue,  
Government of Sindh  
Karachi.

WHEREAS [Name of the Contractor] hereinafter called "the Contractor" has undertaken, in pursuance of the bid for **"Supply, Commissioning & Installation of Hardware & Software including Support & Maintenance for GIS Section of PMU BOR"**, dated \_\_\_\_\_ 2014, (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the Contract that the Contractor shall furnish you with a bank guarantee by a recognized bank for the sum specified therein as security for compliance with the Contractor's performance obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor a Guarantee:

THEREFORE WE hereby affirm that we are Guarantor and responsible to you, on behalf of the Contractor, up to a total of [Amount of the guarantee in words and figures] , and we undertake to pay you, upon your first written demand declaring the Contractor to be in default under the Contract, and without cavil or argument, any sum or sums as specified by you, within the limits of [Amount of Guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until \_\_\_\_\_ day of \_\_\_\_\_, 2015, or twenty-eight (28) days of the issue of the Defects Liability Expiry Certificate, whichever is later.

[NAME OF GUARANTOR]

Signature \_\_\_\_\_  
Name \_\_\_\_\_  
Title \_\_\_\_\_  
Address \_\_\_\_\_  
Seal \_\_\_\_\_



