

Request for Proposal (RFP) for

Consultancy Services for Topographical Survey for Aeronautical Study, at New Bangalore International Airport, Bangalore.

Name and address of the entity seeking proposal:

Bangalore International Airport Limited.
BIAL-Project office-West Block Extension
NH-7, Devanahalli, Bangalore North,
Bangalore-560300, India
Phone: +918066782666; Fax: +91 80 66783388

Person responsible for any additional information, receipt of proposals and process:

Mr. Mihir Baxi, Bangalore International Airport Limited
E-Mail: mihir@bialairport.com

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DISCLAIMER

1. The information contained in this Request for Proposal (“RFP”) document or subsequently provided to Bidders, whether verbally or in documentary or any other form by or on behalf of the Bangalore International Airport Ltd. (BIAL) or any of their employees or advisers, is provided to Bidders on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.
2. This RFP is neither an agreement and is nor an offer by BIAL to the invited Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in the formulation of their Proposals pursuant to this RFP.
3. BIAL, its employees and advisers make no representation or warranty and shall have no liability to any person including any Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, reliability or completeness of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way in this Selection Process.
4. This RFP, along with its Annexure, is not transferable and issued only to the specified addressee who has been identified by BIAL based on its market study. The RFP and the information contained therein are to be used only by the person to whom it is issued. It may not be copied or distributed by the recipient to third parties (other than in confidence to the recipient’s professional advisors). In the event that the recipient does not continue with its involvement in the Project in accordance with this RFP, this RFP must be kept confidential.
5. BIAL also accepts no liability of any nature whether resulting from negligence or otherwise however caused arising from reliance of any Bidder upon the statements contained in this RFP.
6. BIAL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this RFP.
7. The issue of this RFP does not imply that BIAL is bound to select a Bidder or to appoint the selected Bidder, as the case may be, for the consultancy and the BIAL reserves the right to reject all or any of the proposals without assigning any reasons whatsoever. This RFP may be withdrawn or cancelled by the BIAL at any time without assigning any reasons thereof.
8. The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by BIAL or any other costs incurred in connection with or relating to its proposal. All such costs and expenses will remain with the Bidder and BIAL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by an Bidder in preparation for submission of the Proposal, regardless of the conduct or outcome of the Selection Process.

General Requirements in the Bid:

1. Scope of Work	Please see - scope of works
2. Technical specification/ Scope of Work	Please see – Technical specification/ Scope of Work
3. Project Commissioning Schedule	Order with the successful supplier will be placed on or before 13th FEB 2011
4. Evaluation of proposals	The price schedule is to be filled by the Consultants. Consultants are requested to indicate the terms accepted by them or deviation required as per the format provided in Appendix I.
5. Bid Clarifications	If this RFP requires any clarification, contractors may seek the same by contacting the email id mihir@bialairport.com on or before 6th FEB 2011 addressed to Bangalore International Airport Limited. BIAL/GVK in its own discretion may decide unilaterally on the extension of the submission date for RFP under exceptional circumstances
6. Validity of offer	Notwithstanding anything, the proposals received against this Bid documents would be Valid for three month from the date of bid opening- 3 months from date of opening of bid.
7. Last date of submission of offer	Proposals should be submitted at the earliest but not later than 8th FEB 2011

1. Background

Bangalore International Airport Limited (BIAL) became operational in 2008. The initial phase of development included a passenger terminal building (T1), a runway, entrance/ exit taxiways, an isolation bay, airside road system, access roads, along with other ancillary developments. BIAL is moving into the next phase of development, which is the substantial expansion of T1. This expansion will cater to the expected growth of passengers, until the second Terminal (T2) is in operation.



Figure 1 T1A Design, Rendering, HOK/ARUP, August 2010

A topographical survey needs to be executed on the airside and north of the secondary access road. Lastly, the base data that is currently used for planning and engineering needs to be updated / verified for the accuracy and further level of detailing.

2. Objectives

- Obtain complete topographic survey of whole airport area and the immediate surrounding
- Obtain accurate coordinates / elevation of infrastructure such as, buildings, sumps, etc.
- Obtain accurate coordinates / elevation of concrete / asphalt pavements

3. Scope of Work

All survey work needs to comply with SOI, DGCA/FAA (specific norms which will be discussed before commencement of Task 2) norms, should follow other acceptable codes and have acceptable accuracy and errors allowed for airport development/construction, navaid installations etc. Methodology, survey specification, data output and drawing formats and specifications need to be discussed with client and other consultants appointed by the client for this purpose.

3.1 Task 1 – Topographical survey

a) Area

Topographical data is available only in the southern landside part of the airport and in the central area. This data needs to be verified by means of sample surveys at the areas identified and agreed after consultation with BIAL. The area to **obtain an updated topographical survey of the airport area** will then be identified on the basis of the accuracy of the verified data.

Following tasks need to be executed. See also overview given in **Annexure A**.

- verification of existing benchmarks(ARP) with reference to the appropriate GTS Benchmark approved by SOI.
- set up of 6 permanent benchmarks (2 airside / 4 landside) at strategic locations
- verification of temporary benchmarks of earlier surveys
- verification of existing survey and carry out sample surveys as shown in the attached drawing in Appendix B and reconciling the new survey to the available information(Survey 2007 and Survey 2010)
- topographical survey on airside (on movement area, including runway, taxiways, Apron, Runway strip, Taxiway strip) Area : Approximately 255 Hectare. This survey will be tied in to the existing topography information already available with BIAL
- topographical survey on landside, north of secondary access road not included in the earlier surveys
- Topographical survey on **1:200** or appropriate scale and contour interval of **3 m** showing all topographical and structural features including sheet rocks and their extent, showing over ground structures like pipelines, drains, roads etc. on a grid pattern of **10 m X 10m**
- Topographical survey on **1:200** or appropriate scale on a grid pattern of **5 m X 5m** for Runway pavement.

B) Technology / Reference / Accuracy

Topographical survey shall be carried out using GPS technology. The entire survey work shall be carried out with respect to the ARP coordinate and reference elevations.

At all summits and lowest point and at the intervals of 25m longitudinally, at the intervals of 25m transversely

Contours: The contour lines intervals shall be 0.5 m intervals, extrapolated from field survey, all elevations should be marked.

3.2 Task 2 – Survey of infrastructure

To verify the location of all infrastructures a survey needs to be undertaken. The scope contains the following elements. The area and extend can be taken from the master plan in the **Annexure B**.

- infrastructure: buildings, navigational aids, culverts and any built infrastructure
- concrete pavement: individual concrete slabs on apron, runway, taxiway, etc.
- asphalt pavements: areas of equal asphalt pavements
- spot elevations, breaklines, high points and low points
- survey invert, top and slope details in drainage pipes, ditches and structures which would be important to obtain for the drainage masterplan

The consultant is expected to provide an updated version of the existing master plan with relevant level information.

Deliverable shall be proposed by the consultant to meet the required objectives. This includes further detailing of scope of work by the consultant. This needs to take into account that the data will serve as base data for a GIS in a later stage. Subsequent requirement for data quality needs to be specified by the consultant.

4. Boundary Conditions

General

Measurements to be taken are in the operational area of the airport, and adequate safety measures need to be taken. Any such measure needs to be coordinated with BIA Operations.

Accessibility

Runway thresholds, are not accessible during operations, only during maintenance slot given on Saturday from 12:30 to 15:00. Accessibility to the Nav aids is limited and required permission needs to be arranged after request and coordination with BIA.

Confidentiality

Any data from this survey are confidential and not to be used without express BIA approval in writing.

5. Schedule for completion of task and deliverables

5.2 Task 1 / Task 2

The consultant is expected to cope with the following time schedule after issue of work order by BIAL.

Week 1	Mobilization
Week 2 – 4	Survey
Week 5 – 6	1st Draft of Topo survey and up-dated master plan / Proposal of local grid
Week 7	Review of data
Week 8 – 9	Re-survey / 2nd Draft / Finalization of local grid
Week 10	Submittal of final draft

6. Terms of Payment

The following proposed payment schedule shall be commented by the consultant :

Task 1/2	Mobilization	20 %
Task 1/2	Submittal and acceptance by BIA of 1. Draft	15 %
Task 1/2	Submittal and acceptance by BIA of 2. Draft	15 %
Task 1/2	Submittal and acceptance by BIA of final Draft	50 %

7. Data, Services and Facilities to be provided by the Client

As noted in Chapter 4.

8. Proposal Requirements

The consultants are expected to quote for both of the tasks.

- Technical Proposal (Giving timelines, resource allocation)
- Financial Proposal (as per format given in Annexure)
- In addition
 - List of key professional positions and organizational structure for the project with skill levels and qualification and proposed task in the assignment
 - Teaming partners/sub-consultants if applicable (With appropriate credentials)
 - Outline proposal sections detailing deliverables proposed by consultant
- The format of the submittals of Task 2 and 3 to be decided with the Client upon award of the work.
- Firms shall be evaluated based on the following criteria:
 - Prior experience with projects of similar size and complexity
 - Qualifications or personnel working in the assignment
 - Availability of personnel
 - Overall understanding of the tasks
 - Technical approach to perform the tasks described in the Scope of Work, including the effectiveness of the technical approach to complete each task.

8.0 AWARD PROCESS:

8.01 General:

BIAL is conducting the award process in a fair and non-discriminatory manner. Canvassing in any form, unsolicited letter and post bid correction will invoke summary rejection of the Bid. Conditional Bids would be rejected.

BIAL however reserves the right to unilaterally and at its sole discretion to change the award process, certain elements of the bid documents or to annul the entire bidding process at any time, without assigning any reason and without incurring any liability towards the affected bidder. BIAL also reserves the right to change some elements of the planned set up for the work at the Airport, if governmental regulations change in a manner such that the objectives of BIAL cannot be met through the planned set up.

The bidder shall comply with all the terms and conditions set out in bid document and its appendices while submitting its proposal.

8.02 Distribution of RFP/Bid Documents:

Only Selected shortlisted parties by BIAL would receive this RFP document. The RFP document shall be treated as confidential and the information given in the RFP is for the purpose of submitting a proposal only and shall not be used or distributed to any third-party at any time for any other purpose.

8.03 Questions during the Bid phase:

All enquiries or comments regarding this bid, and any other related matters must be made in writing by e-mail to ashwini@bialairport.com. BIAL may, to the extent necessary and deem fit, respond in writing to any questions and concerns of the bidders regarding any element of the issued bid documents.

8.04 Submission of the Proposal:

The information required in submitting the proposal is outlined in Appendix- 1.

The proposal shall be written in English.

The documents to be submitted are as follows:

- **Soft copies of all documents including financial workings, etc. in the respective format (Financial Model in MS Excel format with formulas built in) by e-mail to mihir@bialairport.com as advance copy.**
- **One set originals of all documents in hard printed format along with the BIAL RFP duly signal by the bidder.(This will become the part of the agreement to be executed on award of work)**

**The envelop and proposal should clearly mention the following details
BID for Topography Survey for Bengaluru International Airport**

To
Mr. Mihir Baxi
Bangalore International Airport Ltd
BIAL-Project office-West Block Extension
NH-7, Devanahalli, Bangalore North,
Bangalore-560300

8.05 Responsibility of the Bidder:

It is the sole responsibility of the bidder to

- i) Examine and understand the bid documents and to verify their completeness. In the event that there are any pages or documents obviously missing or erroneously inserted in the documents supplied, the bidder shall promptly apply to BIAL in writing to have any such discrepancy rectified well before the bid closing date;
- ii) Familiarise itself with the premises at which the services will be conducted and any relevant fixtures, fittings and equipment there to be utilised or that may otherwise be relevant, make all relevant investigations in relation to the performance of its obligations pursuant to the Bid;
- iii) The bidders should inform BIAL of any concerns implied or related to but not specifically mentioned in the Bid or other documentation.
- iv) BIAL reserves its right to accept any Bid and to reject any or all the Bids/proposals received without any reason or can change the process of the selection at any time during or after the Bid process.

8.06 Selection Criteria:

BIAL would evaluate the proposal based on the technical capabilities of the firm, financial soundness of the firm, relevant experience, price offered etc.; but will ensure a balance between technical and commercial aspects.

8.07 Confidentiality:

BIAL and contractor should ensure the confidentiality of all documents supplied by either party to either side. The documents will be used in bidding process only.

8.08 Assignment:

Any assignment of the Purchase Order or of any rights hereunder, in any manner, or hypothecation of materials of construction by the contractor, in whole or in part, by operation of law or otherwise, without the prior written consent of BIAL, shall be void. Any such consent shall not relieve the contractor from his obligations under the Work Order.

8.09 Law and Jurisdiction:

The present Bid shall be considered, governed by and interpreted in accordance with the laws of Republic of India. The Jurisdiction for the purposes of the Bid shall be the courts in Bangalore only.

8.10 Bankruptcy:

BIAL may at any time by notice in writing summarily terminate the contract without compensation if the contractor is declared bankrupt/insolvent and/ or faces any action of bankruptcy etc. In such an event, the contractor will be bound to refund all amounts received from BIAL. In addition to that BIAL is also entitled to invoke the guarantee bonds executed in its favour by the bank on behalf of the contractor.

8.11 Government Regulations:

- (a) The bidder shall be responsible for obtaining and maintaining permits as also for complying with all the laws, orders, regulations or other instructions issued by all statutory authorities in India.
- (b) The bidder shall not give, bargain, sell, assign or sublet or otherwise dispose off the bid or any part thereof, or the benefit or advantage of the contract or any part thereof to any third party.

Appendix 1

Information to be provided by Bidders

Bidders shall provide BIAL at least the following information in the same order as set out below along with the submission of its proposal.

- 1. Complete RFP, price duly filled in the schedule of work, duly signed by the authorized representative.**
- 2. Company Profile**
To Give a Brief insight into Company operations, which shall include the following
 - Annual Reports of Three years preceding the Bidding Financial Year
 - Organization structure, tools and plants, technical capability, skilled manpower to be engaged for the work etc.
- 3. Relevant Experience**
 - List of similar works executed in the past 5 years.
 - Minimum 3 Completion Certificates from Customers on the satisfactory Completion of work/ Performance by the contractor during the past 3 years for the similar work/service.
 - List of most important customers/owners indicating the concerned person, telephone number and e-mail ID.
 - Experience in India with Network of Maintenance/Spares Support along with the details of Indian representative (In case of overseas bidders only)

4. Details of Critical Conditions and Deviations required: (to be submitted in the following format)

Sl.No	RFP Page No. / para No.	Subject	RFP Clause	Deviation Proposed	Reason for Deviation

APPENDIX - 2

MODEL-RULES FOR LABOUR WELFARE

1. Definitions:

(a) 'Workplace' means a place at which on an average, twenty or more workers are employed.

(b) 'Large Workplace' means a place at which, on an average, 500 or more workers are employed.

2. First Aid: At every workplace, there shall be maintained in readily accessible place first-aid appliances including an adequate supply of sterilized dressings and sterilized cotton wool as prescribed in the Factory Rules of the State in which the work is carried on. The appliances, they shall be kept in good order and, in large workplaces, they shall be placed under the charge of a responsible person who shall be readily available during working hours. .

- At large workplaces, where hospital facilities are not available within easy distances of the Works, First Aid posts shall be established and be run by a trained compounder.
- Where large workplaces are remotely situated and far away from regular hospitals, an indoor ward shall be provided with one bed for every 250 employees. .
- Where large workplaces are situated in cities, towns or in their suburbs and no beds are considered necessary owing to proximity of city or town hospitals, suitable transport shall be provided to facilitate removal of urgent cases to these hospitals. At other workplaces, some conveyance facilities shall be kept readily available to take injured person or persons suddenly taken seriously ill, to the nearest hospital.
- At large workplaces there shall be provided and maintained an ambulance room of the prescribed sizes, containing the prescribed equipment and in the charge of such medical and nursing staff as may be prescribed. For this purpose the relevant provisions of the Factory Rules of the State Government of the area where the work is carried on may be taken as the prescribed standard.

3. Drinking Water: In every workplace, there shall be provided and maintained at suitable places, easily accessible to labor, a sufficient supply of cold water fit for drinking.

Where drinking water is obtained from an intermittent public water supply each workplace shall be provided with storage where drinking water shall be stored.

Every water supply storage shall be at distance of not less than 15 meters from any latrine drain or other source of pollution. Where water has to be drawn from an existing well, which is within such proximity of latrine drain or any other source of pollution, the well shall be properly chlorinated before water is drawn from it for drinking. All such wells shall be entirely closed in and be provided with a trap door which shall be dust and waterproof.

4. The Contractor shall, at his own expense, carry out all instructions issued to him by the Maintenance Manager (Airfield-Civil/Electrical) to effect proper disposal of soil and other conservancy work in respect of Contractor's work people or employees on the Site. The Contractor shall be responsible for payment of any charges, which may be levied by municipal or cantonment authority for execution of such work on his behalf.

5. Canteen: A cooked food canteen on a moderate scale shall be provided for the benefit of workers wherever it is considered necessary.

6. Planning, siting and erection of the above mentioned structure shall be approved by the Maintenance Manager / Deputy Maintenance Manager, BIAL, and the whole of such temporary accommodation shall at all times during the progress of the Works be kept tidy and in a clean and sanitary condition to the satisfaction of the Maintenance Manager / Deputy Maintenance Manager, BIAL, and at the Contractor's expense. The Contractor shall conform generally to sanitary requirements of local medical, health and municipal or cantonment authorities and at all times adopt such precaution as may be necessary to prevent soil pollution of the Site.
7. **Anti-malarial precautions:** The contractor shall, at his own expense, conform to all anti-malarial instructions given to him by the Maintenance Manager / Deputy Maintenance Manager, BIAL; including filling up of any borrow pits which may have been dug by him.
8. **Enforcement:** The Inspecting Officer mentioned in the Contractor's Labour Regulation or any other officer nominated in this behalf by the Maintenance Manager (Airfield-Civil/Electrical) shall report to the Maintenance Manager / Deputy Maintenance Manager, BIAL, all cases of failure to comply with the provisions of these Rules either wholly or in part and Maintenance Manager / Deputy Maintenance Manager, BIAL, shall impose such fines and other penalties as are prescribed in the conditions.
9. **Interpretations, etc.:** On any question as to the application, interpretation or effect of these Rules the decision of the Chief Labor Commissioner or Deputy Chief Labor Commissioner (Central/State) shall be final and binding.
10. **Amendments:** Governments may, from time to time, add to or amend these Rules and issue such directions as it may consider necessary for the proper implementation of these Rules or for the purpose of removing any difficulty.

AMENDMENTS

The following amendments may be noted before submission of the bid offer.

Sr. No	Page no / Sec No.	Details	To be read as	Remarks

9. Annexure

- Annexure A- Overview of area for topographical survey
- Annexure B - Drawing showing the locations for the sample survey