



National Institute of Technology, Manipur, Langol, Imphal West 795004

INVITATION FOR QUOTATION

Package Code: TEQIP-III/2020/nitm/145

Current Date: 05-Feb-2020

Package Name: NITMN/Automated Road & Traffic Survey

Method: Direct Contract Goods

To,

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Portable Automated Road & Traffic Survey System	1	NITManipur	

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. **Quotation**
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
 - 3.4 Applicable taxes shall be quoted separately for all items.
 - 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **21**days after the last date of quotation submission.
6. Evaluation of Quotations: The Purchaser will evaluate and compare the quotations determined to be Substantially responsive i.e. which

- 6.1 are properly signed; and
- 6.2 Confirm to the terms and conditions, and specifications.
- 7. The Quotations would be evaluated for all items together.
- 8. Award of contract The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
 - 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of Contract.
 - 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be Incorporated in the purchase order.
- 9. Payment shall be made in Indian Rupees as follows:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery, Installation & Satisfactory Acceptance	30	100

- 10. Liquidated Damages will be applied as per the below:
 - Liquidated Damages Per Day Min % : \$\$INV_LIG_DAMAGE_MIN\$\$
 - Liquidated Damages Max Per Day % : \$\$INV_LIG_DAMAGE_MAX\$\$
- 11. All supplied items are under warranty of **N/A** months from the date of successful acceptance of items and AMC/Others is .
- 12. You are requested to provide your offer latest by **16:30** hours on **26-Feb-2020**.
- 13. Detailed specifications of the items are at Annexure I.
- 14. Training Clause (if any)
- 15. Testing/Installation Clause (if any)
- 16. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
- 17. Sealed quotation to be submitted/ delivered at the address mentioned below,
 - National Institute of Technology, Manipur,Langol, Imphal West 795004**
- 18. We look forward to receiving your quotation and thank you for your interest in this project.



(Authorized Signatory)

Name & Designation

Annexure I

Sr. No	Item Name	Specifications
1	Portable Automated Road & Traffic Survey System	HWP-PVVS Hardware, HWP-AVVS Hardware, HWP-LAPTOP Hardware, HWP-MOBILE Hardware, SWP-Semidistress Software, SWP-Semiasset Software, SWP- Semitraffic Software

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To: _____

Sl. No.	Description of goods \ (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex-Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No. _____



BETQ DATA ANALYTICS PVT. LTD.

Plot No.250, Ward No.6, Mehrauli
New Delhi- 110030, India
Telephone: +919910219017
Email: betqdata@gmail.com
Website: www.betqdata.com
CIN #: U74999HR2014PTC052683

PAN CARD #: AAFCB9582L
GSTIN #: 07AAF9582L1Z2

Date: 01.03.2019

TO WHOM IT MAY CONCERN

This is to certify that, M/s. BETQ Data Analytics Pvt. Ltd., Haryana, India, manufacture the "BETQ PARTSS-2018: Portable Automated Road & Traffic Survey System , PARSS-2017: Portable Automated Road Survey System, AutoDistress software, AutoPotholes software, AutoCracks software, AutoPatches software, SemiDistress software, SemiAsset software, SemiTraffic software and Infrastructure Surveyor Assistant software" and confirm that these are proprietary systems / software. BETQ is the only manufacturer who has these systems / software and / or technology or features that are only unique and proprietary for automated survey of roads.

Yours truly,

For BETQ DATA ANALYTICS PRIVATE LIMITED

Namita

Authorized Signatory

[Signature]
Dr. P. Albino Kumar
Dean Academics
National Institute of Technology
Manipur, Langol-795004
Imphal-Manipur.



Registered Office:
894, Sector-5, Gurgaon-122001, Haryana, India

Branch Office:
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COMPANY INTRODUCTION LETTER

WELCOME TO BETQ DATA ANALYTICS PVT. LTD.

- ❖ We are a start-up company certified / recognized already by Govt. of India engaged in design & development / manufacturing of **BETTER QUALITY** and innovative scientific systems (both hardware & software) for Roads & Transportation sector.
- ❖ Being a recognized start-up company, we are exempted from prior turnover, experience and EMD criteria in submitting tenders for procurement of products / services.
- ❖ We offer cost-effective & innovative solutions for road asset condition & traffic surveys.
- ❖ Our products are scientifically researched & tested and used already by various organisations in India while some foreign countries like South Africa are going to use our products very soon.
- ❖ Our products can be efficiently & effectively used in planning, designing, construction, maintenance, management and quality control / testing of various infrastructure development / up-gradation related projects / studies.

OUR PROPRIETARY PRODUCTS

- ❖ **PARTSS-2018: Portable Automated Road & Traffic Survey System**
The PARTSS is a proprietary integrated road & traffic data collection and analysis system developed indigenously by BETQ through doctoral level research & testing. This system / equipment is basically a GPS enabled Video Technology. It has one Asset View GPS enabled Video System for collecting road asset inventory data / classified traffic volume data and one Pavement View GPS enabled Video System for collecting pavement condition data.
- ❖ **PARSS-2017: Portable Automated Road Survey System**
The PARSS is a proprietary integrated road data collection and analysis system developed indigenously by BETQ through doctoral level research & testing. This system / equipment is basically a video-based technology. It has one Asset View GPS enabled Video System to obtain road asset inventory database and one Pavement View GPS enabled Video System to obtain pavement condition database
- ❖ **SemiDistress:** An easy to use application software for semi-automated identification, measurement and /or assessment of pavement distresses / defects from pavement videos
- ❖ **SemiAsset:** An easy to use application software for semi-automated identification, measurement and/or assessment of road assets inventory / events from asset view videos
- ❖ **SemiTraffic:** An easy to use application software for semi-automated counting of classified traffic volume from asset / traffic view videos
- ❖ **AutoDistress:** An easy to use application software for automated detection and assessment of pavement distresses / defects from pavement view videos. It can also be used for



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Dr. P. Anirudh Kumar
Dean, Academy of Technology
National Institute of Technology
Manipur, Imphal-795004



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automated assessment (qualitative) of pavement condition / Pavement Condition Index (PCI) for roads.

- ❖ **AutoPotholes:** An easy to use application software for automated detection, measurement and/or assessment of potholes from pavement view videos
- ❖ **AutoCracks:** An easy to use application software for automated detection, measurement and/or assessment of cracks from pavement view videos
- ❖ **AutoPatches:** An easy to use application software for automated detection, measurement and/or assessment of patches from pavement view videos
- ❖ **Infrastructure Surveyor Assistant (ISA):** An easy to use mobile application software for automated collection of geo-tagged images and field survey notes for infrastructure surveys

OUR EXPERTISE / SERVICES & SOLUTIONS

- ❖ Accurate and speedy collection and processing / analysis of road and traffic survey data
- ❖ Development of road asset inventory and pavement condition database
- ❖ Development of classified traffic volume counts database
- ❖ Development of Infrastructure (roads & bridges) Asset / Information / Maintenance /Management Systems
- ❖ Product Design & Development
- ❖ Software Development & Testing

SCOPE OF APPLICATIONS

- ❖ Data collection and/or interpretation for quality control / testing / health monitoring of roads & bridges
- ❖ Data collection and/or interpretation for Preliminary / Feasibility studies / Detailed Project Report (DPR) preparations related to infrastructure (roads, highways, bridges& smart cities) development / upgradation / traffic management projects
- ❖ Data collection and/or interpretation for routine / periodic maintenance management & budgeting of repair & rehabilitation activities
- ❖ Data collection and/or interpretation for asset management activities
- ❖ Automated processing / interpretations of pavement and asset/ ROW videos captured by dedicated / multifunctional road network survey vehicles

OUR CLIENTS

- ❖ **M/s Sri Infotech, Hyderabad** (User of PARSS-2017, AutoCracks and AutoPotholes)
- ❖ **Rural Works Division, Govt. of Arunachal Pradesh** (User of PARSS-2016 and ISA)
- ❖ **Rural Engineering Department / MSRRDA, Govt. of Manipur** (User of PARSS-2016)

Dr. P. Albino Kumar
Dean Academics
Rajabhai Institute of Technology
Imphal, Manipur-795004



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To,
Dr. P. Albino Kumar
Associate Professor,
Department of Civil Engineering, National Institute of Technology (NIT) Manipur,
Langol, Imphal-795004, Manipur

Subject: Quotation for one unit of Portable Automated Road & Traffic Survey System (PARTSS-2018)**Quotation Number: 11-09-19-01****Date: 11-09-2019****One unit of PARTSS-2018 includes the following parts:**

Part Number	Description	Quantity	Unit Price (Rs.)	Discount @15%	Price after Discount (Rs.)
HWP-PVVS Hardware	Pavement View GPS-Video System for collecting pavement condition video data	1	11,90,900.00	1,78,635.00	10,12,265.00
HWP-AVVS Hardware	Asset View GPS-Video System for collecting road asset inventory video data	1			
HWP-LAPTOP Hardware	Laptop for data analysis / processing	1			
HWP-MOBILE Hardware	Mobile phone for remote control of video systems	2			
SWP-SemiDistress Software	Software for semi-automated identification and measurement of visible distresses from videos	1			
SWP-SemiAsset Software	Software for semi-automated identification and measurement of assets inventory / events from videos	1			
SWP-SemiTraffic Software	Software for semi-automated counting of classified traffic volume from videos	1			
TOTAL PRICE					10,12,265.00
IGST@ 18%					1,82,207.70
GRAND TOTAL	(Rupees Eleven Lakh Ninety Four Thousand Four Hundred Seventy Three only)				11,94,473.00

Terms and Conditions:

- 1) Prices are FOB Destination
- 2) Free-of-cost Installation and Demonstration / Training for three days are included in the offer
- 3) 100% Payment as Advance
- 4) Delivery within 4-6 weeks after receiving a confirmed Purchase Order with Advance
- 5) The offering does not include vehicle.
- 6) Validity of 15 days, after which prices may be subjected to change without notification
- 7) One Year Warranty against manufacturing defects
- 8) Two years license on SemiDistress, SemiAsset & SemiTraffic software

Note:

- (1) BETQ authorizes the purchaser to make the payment through direct transfer to the below given bank account.
- (2) PARTSS-2018 is the proprietary product of BETQ and BETQ is the sole distributor / dealer for the product in Manipur

Joe Joe Yumnam

(Mr. Joe Joe Yumnam)

For BETQ DATA ANALYTICS PVT. LTD.

BANK DEATILS: BETQ DATA ANALYTICS PVT. LTD., Account No. 50200007114727, HDFC BANK, SAFDARJUNG DEVELOPMENT AREA (SDA), NEW DELHI-110016, RTGS/NEFT IFSC: HDFC0000032, MICR: 110240004

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