

Roads and Bridges Development Corporation of Kerala Ltd.(RBDCK)
(A Government of Kerala Undertaking)
2nd Floor ,Preethi Building, M.V.Road Palarivattom.Kochi 682025
Phone (484) 2338205,2338206, Fax (91-484) 2533294 Website www.rbdck.com
Email:- rbdckltd@gmail.com

QUOTATION NOTICE

Quotation No. RBDCK/ T 214 /Vol II/267/ 2023

26.08.2023

On behalf of Roads and Bridges Development Corporation of Kerala Limited, its Managing Director invites quotation for GPR Survey for mapping underground utilities.

1. Date of issue of notice - 26.08.2023
2. Last date and time of submission - 20.09.2023, 15.00hrs
3. Date of Opening - 21.09.2023,11.30hrs

Quotation forms can be obtained from the office of the undersigned and website of RBDCK from 26.08.2023, 04.00 PM to 20/09/2023, 10:00 AM and interested participants may obtain further details from RBDCK at the address given above in the office hours.

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General Manager

Roads and Bridges Development Corporation of Kerala Limited
(A Government of Kerala Undertaking)

2nd Floor, Preethi Building, Opp SNDP Temple, Mahakavi Vailoppilli Rd,
Palarivattom junction, Ernakulam, Kerala 682025

Phone Number: [0484 233 8205](tel:04842338205), website: www.rbdck.com, Email: rbdckltd@gmail.com

Quotation No: RBDCK/T 214/Vol II/267/2023

Date: 26/08/2023

**NOTICE FOR INVITING QUOTATION FOR UNDERGROUND UTILITY MAPPING
USING GPR AT PEROORKADA FLYOVER SITE**

Sealed quotations are invited from reputed firms for conducting Ground Penetration Radar (GPR) Survey for the utility scanning at proposed flyover site at Peroorkada Junction in Thiruvananthapuram District of Kerala. The interested bidders may quote their rate in the table below.

The schedule of the above-mentioned work is as below.

Project – Peroorkada Flyover in Thiruvananthapuram District					
Sl. No.	Item Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs)
1.	Underground Utility mapping using GPR survey in the proposed ROW of average width upto 50m.	Per KM	1.100		
	Total Amount in words				

The quotations duly signed and stamped should be submitted to RBDCK office by hand or post. The last date for receipt of quotation is 20/09/2023 upto 15:00hrs. The quotations received incomplete and/or submitted after the due date and time shall be summarily rejected.

Place:

Yours faithfully

Date:

(Signature of Bidder with Name and Address, Contact No)

Roads and Bridges Development Corporation of Kerala Limited

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Palarivattom junction, Ernakulam, Kerala 682025

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TERMS OF REFERENCE

1. Roads and Bridges Development Corporation of Kerala Limited (RBDCK) invites quotation for “Underground utility mapping using Ground Penetrating Radar” which is mainly mapping of all the underground utilities its features such as water supply network, storm water drainage system, sewerage system, tertiary treated water system, electricity/ power cables, telecommunication cables, gas pipelines etc. along with all allied components (i.e. manholes, chambers, road gullies, valves etc) including superposition of the above on the flyover alignment drawing(dwg).
2. The agency shall collect details of existing utilities and shall work in coordination with RBDCK. KIIFB, Kerala water Authority (KWA) and Kerala State Electricity Board (KSEB) to finalize the data collected through GPR survey.
3. The following underground utility mapping and allied components details would be captured.
 - a. Location and alignment of Water Supply Distribution network, connectivity with household/properties along the road width, inclusive all the entities in network along with information of the material, size, length, depth etc. for said underground utilities/Service lines.
 - b. Location and alignment of Sewerage systems, sewerage pits/Manholes along the road width inclusive all the entities in system along with information of the material, size, length, depth etc. for said underground utilities/service lines.
 - c. Location and alignment of entire storm water drainage systems, Road Gullies along the road width inclusive all the entities in system along with information of the material, size, length, depth etc. for said underground utilities/service lines
 - d. Location and alignment of entire KSEB UG cable networks and service pits along the road width.

In addition to above, any other underground utilities/service lines which would be identified during GPR survey w.r.t Telecommunication, Electrical/Power lines, Gas Pipe-lines, along with information of the material, size, length, depth etc. and or any other underground services lines that may exist shall be mapped.
4. The selected agency will take all the possible precautions while carrying out such survey and will ensure not to create any traffic inconvenience.
5. Each utility should, at minimum have the following attribute data attached with it- type of utility, size, length, depth.
6. Position and levels shall be related to the specific grid and datum and shall normally be related to the center of metallic pipes or cables, crowns of ducts and inverts of sewer and drains.

7. Tentative drawings of water authority pipelines obtained from KWA needs to be united with the GPR survey findings.
8. Field verification/ physical examination of the utilities shall be done by the agency.
9. All the utilities must be mapped to original geo reference/coordinates.
10. The survey output must be compatible to GIS format.
11. The agency /firm shall superimpose the survey output on the approved alignment drawing of flyover (.dwg format). Any correction, deviations required must be corrected in consultation with all concerned authorities.
12. Accuracy of GPR data is +/- 15cms vertically and horizontally.

DELIVERABLES

1. GPR Survey data in all the available format.
2. Final AutoCAD drawing prepared/integrated with flyover alignment drawing (1:1000 scale)
3. Single seamless digital geographic file in PGDM format containing features of the complete area compatible with existing GIS software.
4. Agency shall provide sufficient number of control points (GCPs) collected through Differential Global Positioning System (DGPS) survey.

The drawings should be submitted to RBDCK in softcopy and hardcopy (1 set) as A2 sheets duly indicating all the details as a draft copy and after finalization of the drawing, it should be submitted in hardcopy (3 set) and softcopy compatible with AutoCAD, making the modifications, if any.

NOTE

1. Rate quoted shall be exclusive of GST which will be paid extra as applicable.
2. Rate shall be inclusive of all labour/staff/Engineers, hire charges of tools, instruments and software.
3. Completion period is 14 days from the date of issue of work order.
4. Quotation form can be downloaded from the official website of RBDCK (www.rbdck.com). For more information contact 0484-2338205, 2338206 in working days from 10:00AM to 17:00PM.
5. Bidders are requested to submit the duly filled price bid along with self-attested photo id proof on or before 20/09/2023 15:00PM by hand /post to be received in the Head office of RBDCK, Ernakulam, Kerala.
6. “Quotations for Underground Utility Mapping using GPR at Peroorkada flyover site” may be written in the cover top.
7. No advance payment will be paid, the payment will be done after completion of work.

Thanking You
Yours faithfully

Sd/-

General Manager

(Signature of Bidder with Name and Address, Contact No)