



PURCHASE ORDER/ WORK ORDER

| | |
|--|---|
| To M/s. O.B. Developers (Structure Audit Agency) 610, Sector-87, Faridabad, Haryana-121002 Contact Person: Mr. Rakesh Kumar: +91-9717924616 GSTIN: 06EZMPK87452J2ZP | Purchase Order No.: ICT/OBD/02/2018-19/236 Date: 06.02.2019 |
| | Your Quotation / Proforma Invoice No / Ref No: OBD/NDT/D/2018/403 Dated: - 04.02.2019 |

Dear Sir,

With reference to your Quotation dated 04.02.2019/ Negotiation on ____/ subsequent telephonic discussions held with you on ____ we are pleased to place the following order subject to the terms and conditions agreed by you.

Bill is to be submitted alongwith receipted Challan copy, if any.

| Sl. No. | Item Code | Item Description | Unit | Quantity | Rate (INR) | Amount (INR) |
|---------|-----------|--|------|----------|------------|--------------|
| 01 | USPV | Ultrasonic Pulse Velocity Test:- for ascertaining the quality of concrete, soundness and density of concrete, uniformity of concrete in terms of density as per IS 13311 (Part-1)-1992, ASTM: C597-83, BS 6089: 1981 and BS 1881: Part 203 and BS EN:13791. | No. | 81 | 1,200.00 | 97,200.00 |
| 02 | RH | Rebound Hammer :- For determining the estimated compressive strength of concrete and uniformity of concrete in terms of surface hardness as per IS 13311 (Part-2)-1992, ASTM C 805-02, BS 6089:1981 and BS 1881: Part 202, BSEN: 13791, also establishing correlation chart between rebound hammer and other confirmatory test for estimated in-situ strength of concrete if required. | No. | 81 | 250.00 | 20,250.00 |
| 03 | CBT | Carbonation Test:- Measurement of carbonation depth by phenolphthalein spray test at selected locations on RCC members of the structures covered under the study to see the depth of carbonation as per BS EN 14630:2006, BS EN 13295:2004. Ratio of Carbonation depth to cover depth is also measured to check the intensity of carbonation attack on steel bar | No. | 19 | 550.00 | 10,450.00 |

Innovative, Creative & Technologically Sustainable Infrastructure Solutions



CIN : U74899DL1987PTC026913

Corporate Office :
A-8, Green Park,
New Delhi-110 016. INDIA

Telephone :
+91-11-40863000

Fax :
+91-11-26855252

Email :
purchase@ictonline.com

Website :
http://www.ictonline.com



| | | | | | | |
|----|-----|---|-----|----|-------------|-------------|
| 04 | CMT | Cover Meter Test :- Conducting cover meter test at selected locations on RCC members of the structures covered under the study to see the adequacy of concrete cover to rebars and creation of Contour Mapping of cover depth in RCC Structure by using (working on Magnetic field generation concept) steel bar scanner as per IS:456:2000 and relevant code of particular structure | No. | 63 | 900.00 | 56,700.00 |
| 5 | HCT | Half Cell Potential Test :- Measuring the Half Cell Potential readings with wheel electrode at the nodes of pre-marked grid points on concrete surface in a suitable grid for determining the probability of corrosion activity of embedded steel reinforcement in concrete with specified half-cell electrode in accordance with ASTM C876-1980 after moistening the concrete surface with water. The rate shall include surface preparation, moistening concrete surface for assessing the percentage risk of corrosion in reinforcement, Measuring the half-cell / surface potentials at selected locations on RCC members of the structures covered under the study to understand the extent of reinforcement corrosion and contour Mapping of corrosion, Plotting the half-cell potential readings in graphical presentation with potential contours plotted in terms of probable risk of corrosion of steel bar as per ASTM C876 [6]-1991 | No. | 55 | 600.00 | 33,000.00 |
| 06 | CPA | Crack Pattern Analysis :- Crack depth and crack width will be measured by Ultrasonic Pulse Velocity system, mapping of crack pattern, classification of cracks and cause analysis of crack propagation as per ACI 318, 201, IS 456. | No. | 26 | 1,200.00 | 31,200.00 |
| 07 | CTC | Core Test:- Extracting the concrete core samples at select locations from RCC members of the structures covered under the study and evaluating the properties fck value, grade of concrete in the laboratory from the core samples selected. IS 456:2000; IS516:1959, IS 1199:2002; ASTM C-42, without encountering any steel reinforcement from the RCC members at specified locations by site in-charge with portable power driven core cutting equipment | No. | 01 | 10,000.00 | 10,000.00 |
| 08 | SAL | Scaffolding and Ladder :- Arrangement of Scaffolding, Ladders, Generator and safety equipment's etc. for executing the job | LS | LS | 2,60,000.00 | 2,60,000.00 |

Innovative, Creative & Technologically Sustainable Infrastructure Solutions



CIN : U74899DL1987PTC026913

Corporate Office :
A-8, Green Park,
New Delhi-110 016. INDIA

Telephone :
+91-11-40863000

Fax :
+91-11-26855252


Email :
purchase@ictonline.com

Website :
http://www.ictonline.com



**Intercontinental Consultants
and Technocrats Pvt. Ltd.**



| | | | |
|---|---|--|--|
| Delivery Address: M/s. Intercontinental Consultants & Technocrats Pvt. Ltd. A-8, Green Park, New Delhi-110016 | | Delivery Instruction: Delivery Date 25 days from the date of release of advance | Material Value (Total): 5,18,800.00 |
| | | | Less- Discount NA |
| | | | Sub Total 5,18,800.00 |
| | | | IGST @ 18% 93,384.00 |
| | | | Freight Charges NA |
| | | | Other Charges NA |
| | | | Grand Total : 6,12,184.00 |
| Warranty: NA | | Amount in words: INR Six Lac Twelve Thousand One Hundred Eighty Four Thousand Only. | |
| Payment Terms: As per TOR enclosed under Annexure -Aø | Consignee's Address: M/s. Intercontinental Consultants & Technocrats Pvt. Ltd. A-8, Green Park, New Delhi-110016 GSTIN: 24AAACI1674B1Z4 | | For Intercontinental Consultants & Technocrats Pvt. Ltd.,  (Pankaj Hirani) Procurement Officer |

Innovative, Creative & Technologically Sustainable Infrastructure Solutions



CIN : U74899DL1987PTC026913

Corporate Office :
A-8, Green Park,
New Delhi-110 016. INDIA

Telephone :
+91-11-40863000

Fax :
+91-11-26855252

Email :
purchase@ictonline.com

Website :
http://www.ictonline.com



1. Terms and Conditions

1. The Firm shall submit to ICT in writing, the proposed scheme and program of carrying out the work before proceeding to site of work. The period of completion of field investigations, laboratory testing and submission of the technical report is 25 days from the date of issue of this work order for the project.
2. The Firm shall complete the entire field investigations and laboratory testing within above stipulated time frame. The Firm shall utilize only qualified and experienced technical staff and latest technology and appropriate equipment in the execution of the work. The Firm shall check and calibrate all instruments and equipment thoroughly before testing and shall maintain them in proper working condition throughout the work.
3. The Firm shall perform the entire field and laboratory testing work strictly in accordance with the Scope of Works outlined in this TOR and as directed by ICT, from time to time during the course of the Project. The Firm shall ensure that the field and laboratory test procedures strictly conform to the requirements of various IRC (Indian Roads Congress) & IS (Indian Standards), BS and AASHTO Codes of Practice.
4. The Firm shall be fully responsible to complete the work within stipulated time and any delay in execution of work for the Project, which may arise as a result of breakdown of the machinery or inefficiency of the Firm's personnel.
5. In case any test(s) carried out is found to be unsatisfactory /inadequate by ICT, the Firm shall repeat such test (s) free of charge.
6. ICT has the right to terminate the Agreement at any time during the course of execution of work for the Project, if ICT finds that the performance of the Firm's work as unsatisfactory or the Firm fails to perform the works in accordance with the terms and conditions as stipulated herein.

The Firm shall take all necessary precautions to ensure that there is no disruption to movement of traffic during the period of NDT on the bridges. The Firm shall comply with all the instructions given in regard to method of testing and safety of bridge and traffic plying over it given by ICT and NHAI. They shall display at site necessary cautions and signal to inform the road user that work of NDT is in progress.

Innovative, Creative & Technologically Sustainable Infrastructure Solutions



CIN : U74899DL1987PTC026913

Corporate Office :
A-8, Green Park,
New Delhi-110 016. INDIA

Telephone :
+91-11-40863000

Fax :
+91-11-26855252

Email :
purchase@ictonline.com

Website :
<http://www.ictonline.com>



2. Payment Schedule and Terms of Payment

| | | |
|-------|--|-------|
| (i) | Mobilization* | - 20% |
| (ii) | Upon completion of the field works | - 40% |
| (iii) | Upon completion of all laboratory testing, interpretation of results and submission of the Final Report including repair and rehabilitation of Bridges by the Firm to ICT. | - 30% |
| (iv) | Upon acceptance of the Final Report by the Owner (NHAI). | - 10% |

* Mobilization shall be adjusted as per actual quantity of tests carried out in payable amount of field work.

3. Schedule of Quantities

1. The estimated quantities for the work to be carried out are given in **Table-1** titled "Schedule of Quantities" These quantities may vary and payment shall be made based on actual work done.
2. The rate quoted by the Firm for each item shall include all costs towards power, fuels, tools & plant, tackle, equipment, material, transport of materials, labour, supervision, including all taxes, levies, contingencies, overheads, profits and all incidental items though not specifically mentioned but as can be reasonably implied from the nature and extent of the work described herein. GST shall be paid extra.
3. The Quantities mentioned in the Schedule of Quantities are estimated by assuming certain structural conditions at structure sites. The site-specific conditions may, however, vary and shall be known only during the course of the work. This may result in increase or decrease in the quantities and in the field and laboratory testing program. The Firm shall agree to perform the revised quantities at his quoted rates and no extra payment of any nature whatsoever shall be paid by ICT in respect of the revised scope of work.
4. The time of completion of this work will be 25 days from the date of award of work.

The quoted unit rate shall cover all cost of material, labour / manpower, logistics whatsoever, mobilization, field work, field and lab testing, report writing, interpretation of results and recommendations for repair & rehabilitation of bridges, etc.