



OFFICE OF THE PRINCIPAL
HANDIQUE GIRLS' COLLEGE
GUWAHATI - 781001, ASSAM

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HGC/ESTT/NIQ/2024/01/001

Ref. No.

Date : 08.07.2024

NOTICE INVITING QUOTATION

Sealed quotation on firm letterhead affixing a non refundable court fee stamp of Rs. 8.25 are hereby invited from the reputed registered firms/contractors of relevant categories having experience of execution of similar nature of constriction/renovation works as mentioned below at Handique Girls' College, Guwahati-01, Assam. The quotations along with GST Registration certificate, PAN Card, Trade License and Experience Certificate of execution of works of similar nature have to be submitted at the designated place at the Office of the undersigned. The sealed envelope must be superscribed with the Quotation Number and addressed to the undersigned. The quotation will be received by the Office of the Principal, Handique Girls' College up to **15th July, 2024, 2.00 pm** and will be opened on the same day at 3.00 pm. Contractor or one authorized person may be present at the time of opening.

| | | |
|----|--|---|
| 1. | Name of Work | Retrofitting of column at ground floor of Laboratory room of Chemistry Department at Handique Girls' College, Guwahati-01, Assam as per DSR 2021 |
| 2. | Estimated amount | Rs.43,280.00 |
| 3. | Time of completion | 30 days |
| 4. | Earnest Money to be deposited with the quotation Paper | 2 % of Estimated value for General Category and 1% of estimated value for SC/ST/OBC/MOBC Category. |
| 5. | Security Deposit | Addition 3% of Estimated value (only by Successful bidder) |

The Earnest and Security amount will have to be deposited by Demand Draft in the favour of Principal-Cum Secretary, Handique Girls' College, Guwahati, Payable at Guwahati. Quotations submitted by the bidders shall remain valid for acceptance for a period of 180 (one hundred eighty) days from the date of opening of such quotations. The bidder/s shall not be entitled to revoke or cancel his/their quotation/s or to vary any of the terms thereof during the said period of validity. The period of liability shall be 12 (Twelve) months reckoned from the date of issue of completion certificate on actual completion of the work. The taxes as per rule will be deducted at source from the total bill value. Quotation not properly sealed will be liable for cancellation.

Principal
Handique Girls' College
Guwahati-01, Assam

Memo No.: HGC/ESTT/NIQ/2024/01/001-A, Dated: 08.07.2024

Copy to:

1. Notice board/Website for display.
2. Convenor, Construction Committee for kind information.
3. Office file for record.

Principal
Handique Girls' College
Guwahati-01, Assam

**MEASUREMENT SHEET FOR RETROFITTING OF COLUMN AT GROUND FLOOR OF
LABORATORY ROOM FOR CHEMISTRY DEPARTMENT AT HANDIQUE GIRL'S COLLEGE,
DIGHALIPUKHURIPAR, PANBAZAR, GUWAHATI AS PER DSR 2021**

| SL. NO. | SOR I/No. | Description of Items | NO. | L | B | H | QTY | Unit | Rate | Amount |
|---------|-----------|--|-----|-------|------|-------|------|------|------|--------|
| 1 | 15.3 | Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge | | | | | | | | |
| | | Column | 1 | 0.3 | 0.2 | 2.3 | 0.14 | CUM | | |
| | | Beam | 1 | 0.3 | 0.2 | 2.8 | 0.17 | CUM | | |
| | | | | | | Total | 0.31 | CUM | | |
| 2 | 15.7 | Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. | | | | | | | | |
| | | In cement mortar cum | | | | | | | | |
| | | Brick wall | 1 | 2.2 | 0.6 | 0.15 | 0.20 | CUM | | |
| | | Brick wall | 1 | 2.8 | 0.3 | 0.15 | 0.13 | CUM | | |
| | | | | Total | 0.32 | CUM | | | | |
| 3 | 6.13 | Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. | | | | | | | | |
| | | Cement mortar 1:4 (1 cement :4 coarse sand) | | | | | | | | |
| | | Brick wall | 1 | 2.2 | 0.6 | | 1.32 | SQM | | |
| | | Brick wall | 1 | 2.8 | 0.3 | | 0.84 | SQM | | |
| | | | | Total | 2.16 | SQM | | | | |
| 4 | 11.1 | Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: | | | | | | | | |
| | | Floor | 1 | 1 | 1 | | 1.00 | SQM | | |
| 5 | 5.9 | FORM WORK | | | | | | | | |
| | | Centering and shuttering including strutting, propping etc. and removal of form for | | | | | | | | |
| | 5.9.5 | Lintels, beams, plinth beams, girders, bressumers and cantilevers | | | | | | | | |
| | | Beam | 1 | 2.8 | 0.3 | 2 | 1.68 | SQM | | |
| | | Beam Soffit | 1 | 2.8 | 0.25 | 1 | 0.70 | SQM | | |
| | | | | | | Total | 2.38 | SQM | | |
| | 5.9.6 | Columns, Pillars, Piers, Abutments, Posts and Struts | | | | | | | | |
| | | Column | 1 | 2.3 | 0.3 | 4 | 2.76 | SQM | | |
| | | | | Total | 2.76 | SQM | | | | |

| SL. NO. | SOR I/No. | Description of Items | NO. | L | B | H | QTY | Unit | Rate | Amount |
|---------|-----------|--|-----|------|-------|-------|-------|------|------|--------|
| 6 | 5.22 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level | | | | | | | | |
| | | Thermo-Mechanically Treated bars of grade Fe-500D or more. | | | | | | | | |
| | | Beam 16MM | 1 | 2.8 | 4 | 1.58 | 17.70 | KG | | |
| | | Beam 8 MM 125 C/C | 2 | 1.15 | 23 | 0.39 | 20.63 | KG | | |
| | | Column | 1 | 2.2 | 4 | 1.58 | 13.90 | KG | | |
| | | Lintel 8 MM 125 C/C | 1 | 1.15 | 18 | 0.39 | 8.07 | KG | | |
| | | | | | Total | 60.30 | KG | | | |
| 7 | 13.4 | 12 mm cement plaster of mix : | | | | | | | | |
| | 13.4.1 | 1:4 (1 cement: 4 coarse sand) | | | | | | | | |
| | | Brick wall | 1 | 2.2 | 0.9 | 2 | 3.96 | SQM | | |
| | | Brick wall | 1 | 2.8 | 0.6 | 2 | 3.36 | SQM | | |
| | | | | | | Total | 7.32 | SQM | | |
| 8 | 13.26 | Providing and applying plaster of paris putty of 2 mm thickness overplastered surface to prepare the surface even and smooth complete | | | | | | | | |
| | | Brick wall | 1 | 2.2 | 0.9 | 2 | 3.96 | SQM | | |
| | | Brick wall | 1 | 2.8 | 0.6 | 2 | 3.36 | SQM | | |
| | | Wall | 1 | 1 | 1 | 1 | 1.00 | SQM | | |
| | | | | | | Total | 8.32 | SQM | | |
| 9 | 13.41 | Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade | | | | | | | | |
| | 13.41.1 | New work (two or more coats) over and including water thinnable priming coat with cement primer | | | | | | | | |
| | | Wall | 1 | 2.7 | 2.2 | 2 | 11.88 | SQM | | |
| | | Wall | 1 | 2.9 | 2.2 | 2 | 12.76 | SQM | | |
| | | Ceiling | 1 | 2.9 | 2.7 | 1 | 7.83 | SQM | | |
| | | Deduct Window | -2 | 0.9 | 2.1 | 1 | -3.78 | SQM | | |
| | | | | | | Total | 28.69 | SQM | | |
| 10 | 13.48 | Finishing walls with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives | | | | | | | | |
| | | New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm. | | | | | | | | |
| | | Wall | 1 | 2.7 | 2.2 | 1 | 5.94 | SQM | | |
| | | Wall | 1 | 2.9 | 2.2 | 1 | 6.38 | SQM | | |
| | | Deduct Window | -2 | 0.9 | 1.35 | 1 | -2.43 | SQM | | |
| | | | | | | Total | 9.89 | SQM | | |

| SL. NO. | SOR I/No. | Description of Items | NO. | L | B | H | QTY | Unit | Rate | Amount |
|---------|-----------|---|-----|-----|-----|-------|------|------|------|--------|
| 11 | MR | Repairing of spalled concrete in columns, slab & chajja by the following processes as specified and directed by the department complete at all levels: | | | | | | | | |
| 12 | MR | A. Chipping of deteriorated concrete and removal of all loose & friable materials and fully exposing rusted reinforcement followed by proper cleaning and removing of rusts and other foreign materials using sand blasting/ emery cloths/ wire brush etc. | | | | | | | | |
| | | Column | 1 | 0.3 | 2.3 | 2 | 1.38 | SQM | | |
| | | Beam | 1 | 0.3 | 2.8 | 2 | 1.68 | SQM | | |
| | | | | | | Total | 3.06 | SQM | | |
| 13 | MR | B. Corroded reinforcement to be replaced by cutting and welding new reinforcement of minimum 25mm dia. and overlapping on both side as specified and directed.(reinforcement bar to be measured and paid separately). | | | | | | | | |
| | | Column | 1 | | 2.3 | | 2.3 | RM | | |
| | | Beam | 1 | | 2.8 | | 2.8 | RM | | |
| | | | | | | Total | 5.1 | RM | | |
| 14 | MR | C. Applying two coats of cement based polymer modified anti-corrosive protective coating over exposed reinforcement including proper curing for minimum 24 hours. | | | | | | | | |
| | | Column | 1 | 0.3 | 2.3 | 2 | 1.38 | SQM | | |
| | | Beam | 1 | 0.3 | 2.8 | 2 | 1.68 | SQM | | |
| | | | | | | Total | 3.06 | SQM | | |
| 15 | MR | D. Applying Epoxy based bonding agent Master Bond EP of Choksey / Concrecive 1414 of BASF/Dr. Sealkit Bond OTN (Asian Chemicals) after totally saturating the cleaned concrete surface with clean water for proper bonding of old and new concrete. | | | | | | | | |
| | | Column | 1 | 0.3 | 2.3 | 2 | 1.38 | SQM | | |
| | | Beam | 1 | 0.3 | 2.8 | 2 | 1.68 | SQM | | |
| | | | | | | Total | 3.06 | SQM | | |
| 16 | MR | Plastering with high rich polymer modified mortar 10mm thick with cement sand mortar in prop. 1:4 mixed with 100% acrylic polymer Master Crete M-81 /Dr. Sealkit Sealcrete (Asian Chemicals) / RHEOMIX 131 of BASF @ 15% by weight of cement followed by proper curing as specified and directed by the Department complete | | | | | | | | |
| | | Plaster | 1 | 2.2 | 0.3 | | 0.66 | SQM | | |

| SL. NO. | SOR I/No. | Description of Items | NO. | L | B | H | QTY | Unit | Rate | Amount |
|---------|-----------|--|-----|-------|------|-------|------|------|------|--------|
| 17 | MR | Providing and placing free flow micro concrete Renderoc RG / Sika Micro-Concrete-2 or equivalent product of after fixing slurry tight shuttering. The micro concrete should be mixed mechanically while maintaining water, powder ratio of 0.16 strictly in accordance with the manufacturer's instructions and as per the direction of the Engineer-in-charge. The micro concrete should develop a compressive strength of 10 N/mm2 within 1 day, 40 N/mm2 within 7 days and 50 N/mm2 within 28 days. The cost is inclusive of materials, transportation, labour, taxes etc. all complete. | | | | | | | | |
| | | Column | 1 | 0.3 | 2.3 | 0.125 | 0.09 | CUM | | |
| | | Beam | 1 | 0.3 | 2.8 | 0.12 | 0.10 | CUM | | |
| | | | | | | Total | 0.19 | CUM | | |
| 18 | MR | Providing Grouting in R.C.C. walls & slabs by drilling holes @ 300mm c/c upto half of the wall depth in zigzag manner or as per drawings using a drill machine and fixing a nozzle of 20mm dia. for injecting a grout/ grout slurry till the refusal of injected grout material from adjacent nozzle (grouting operation pressure shall be in between 2 to 4kg per sq.cm.). Followed by cutting the exposed nozzle so as to make the wall free from the grouting pipes and to seal the gap with polymer modified mortar as specified and directed by the Department complete at all levels. | | | | | | | | |
| | | Grout slurry of cement, water and grout admixture Cebex 100 of Fosroc Chemicals /Flowcable 50 of BASF/Dr. Sealkit NSPG (Asian Chemicals) @ 225gms per bag of cement | | | | | | | | |
| | | Column | 1 | 0.3 | 2.3 | | 0.69 | SQM | | |
| | | Beam | 1 | 0.3 | 2.8 | | 0.84 | SQM | | |
| | | | | Total | 1.53 | SQM | | | | |
| 19 | MR | Drilling 12mm dia x 100mm hole into the concrete surface using concrete hammer drill machine. Providing 10mm PGMS nozzles in a grid of 0.25m both and injecting with high strength cementitious grout- Cebex 100 /Sika Intraplast EP or equivalent product till completion and refusal of grout complete as per manufacturer's specifications. The nozzles are to be sealed off after grouting using Renderoc Plug/Sika -2 mortar or equivalent product injecting with high strength cementitious grout- Cebex 100 /Sika Intraplast EP or equivalent product of Fosroc complete as per the specifications of the manufacturer. | | | | | | | | |
| | | Column & Beam | | | | | 8 | Each | | |
| | | | | | | Total | 8 | Each | | |

Grand Total: