

DEPARTMENT OF HI-TECH LAB AND GIRLS COMMON ROOM

**BILL OF QUANTITIES
RECTROFITING WORKS**

| ITEM NO. | MURREE MRS, 2nd Bi Annual-2024 (Page No. Item No.) | DESCRIPTION | UNIT | QTY | UNIT RATE (Rs.) | TOTAL AMOUNT (Rs.) |
|----------|--|-------------|------|-----|-----------------|--------------------|
| (a) | (b) | (c) | (d) | (e) | (f) | (g) |

STANDARDIZED ITEMS

HT&GCR-
C-01

41-9

Placing, compacting, finishing and curing of concrete using Ordinary Portland Cement / Sulphate resisting cement / Slag cement as may be required; including screening, washing of aggregates and mixing of constituents using batching plant, Transportation by transit mixer, pouring with pump in the required proportions to achieve a nominal cylindrical strength in the field as per ACI 214, with the specified consistency. i/c the cost of shuttering, compaction with Viberator, excluding the cost of Admixture, as approved and directed by the Engineer Incharge.

(a) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-

(iv) 4000 PSI

| | | | | |
|-----|----------|--------|--|--------------|
| Per | | | | |
| Cft | 2,400.00 | 850.80 | | 2,041,920.00 |

HT&GCR-
C-02

42-12,b

Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):-

ii) Deformed bars (Grade-60)

| | | | |
|-------|-----------|----------|--------------|
| 100kg | 12,000.00 | 36040.95 | 4,324,914.00 |
|-------|-----------|----------|--------------|

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| Cost of Standardized Items (Rs.) | 6,366,834.00 |
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Project Coordinator
Chotagalla Campus
University of Poonch Rawalakot



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| (a) | (b) | (c) | (d) | (e) | (f) | (g) |

NON-STANDARDIZED ITEMS

GENERAL NOTE

Supply, installation, testing and commissioning of the following items of work, including all labour, tools, plant, accessories, etc. required for completion of each item as per specifications and as approved by the Engineer.

STRENGTHENING / RETROFITTING OF RCC MEMBERS

| | | | | | | |
|-----------------|--------------------|--|-----|--------|--|--|
| HT&GCR- C-03 | HT&GCR-C-NS- 03 | Providing and fixing additional Grade-60 reinforcing steel bar(s) / pin(s) / shear connector(s) in RCC Column(s) by drilling up to the required depth and grouting using cementitious / epoxy chemicals at location(s) as per instructions of the Engineer (Structural Engineer). Job includes surface preparation / cleaning and finishing complete in all respect as per satisfaction of the Engineer. | Kg | 960.00 | | |
| HT&GCR- C-04 | HT&GCR-C-NS- 04 | Providing and fixing Grade-A50 mild steel strip(s) 4"-wide x 1/4"-thick at top and / or bottom of RCC Beam(s) using chemical anchors (3/8"-dia. and grouted at spacing specified by the manufacturer) at location(s) as per instructions of the Engineer (Structural Engineer). Job includes removal of concrete clear cover, surface preparation / cleaning and finishing with metal lath plaster, complete in all respect as per satisfaction of the Engineer. | Rft | 800.00 | | |
| HT&GCR- C-05 | HT&GCR-C-NS- 06 | Providing and fixing CFRP strips bonded to the chemical / substrate as per manufacturer's recommendation (SIKA CarbuDur S812 or equivalent) at top and / or bottom of RCC Beam(s) at location(s) as per instructions of the Engineer (Structural Engineer). Job includes surface preparation / cleaning and finishing with metal lath plaster, complete in all respect as per satisfaction of the Engineer. | Rft | 400.00 | | |
| HT&GCR- C-06 | HT&GCR-C-NS- 08 | Providing and fixing CFRP Wrap bonded to the chemical / substrate as per manufacturer's recommendation (SIKA Wrap Hex-230C or equivalent) on three sides of RCC Beam(s) at location(s) as per instructions of the Engineer (Structural Engineer). Job includes surface preparation / cleaning and finishing with metal lath plaster, complete in all respect as per satisfaction of the Engineer. | Sft | 200.00 | | |



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| (a) | (b) | (c) | (d) | (e) | (f) | (g) |
| HT&GCR-C-07 | HT&GCR-C-NS-09 | Providing and injection of epoxy resin (Sikadur-52 or equivalent) in minor cracks of RCC members as per manufacturer's recommendation at location(s) as per instructions of the Engineer (Structural Engineer). Job includes surface preparation / cleaning and finishing, complete in all respect as per satisfaction of the Engineer. | Kg | 5.00 | | |
| HT&GCR-C-08 | HT&GCR-C-NS-10 | Providing and applying epoxy-based bonding agent (Sikadur-32 or equivalent) on existing concrete surface for bonding with new concrete as per manufacturer's recommendation at location(s) as per instructions of the Engineer (Structural Engineer). Job includes surface preparation / cleaning and finishing, complete in all respect as per satisfaction of the Engineer. | Sft. | 3,000.00 | | |
| HT&GCR-C-09 | HT&GCR-C-NS-11 | Providing and applying fiber-reinforced, cementitious, polymer-modified repair mortar (SIKA or equivalent) on minor-damaged or honey-combed existing concrete surface as per manufacturer's recommendation at location(s) as per instructions of the Engineer (Structural Engineer). Job includes surface preparation / cleaning and finishing, complete in all respect as per satisfaction of the Engineer. | Sft. | 6,000.00 | | |

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|--|--|--|--|--|--|--|
| Cost of Non-Standardized Items (Rs.) | | | | | | |
| Total Cost of Standardized Items & Non-Standardized Items (Rs.) | | | | | | |

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