# SINDH MADRESSATUL ISLAM UNIVERSITY



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# NO. SMIU/PC/MC/ Pack-2 (RW)/Re-Tend/2022/50

### Date: 25th May, 2022

# Say No To Corruption

### **RE-TENDER NOTICE**

Kill Corruption

Sealed bids are invited on standard bidding documents (SBDs) from interested contractors/firms for the following work. The tender shall be based on the single stage – Two envelope procedure under Rule No 46 (2) of SPPRA-Rules 2010 (Amended-2019/updated). The bidders should submit two separate sealed envelopes, one envelope should contain Technical Proposal and other envelope should contain the Financial Proposal. Both envelopes should be clearly marked

| S.No. | Name of Work   | Security     | Estimated Cost<br>(Rs. In Millions) | Tender Fee   | Time for<br>Completion |
|-------|--|--------------|-------------------------------------|--------------|------------------------|
|       | Development of Sindh Madressatul Islam<br>University (SMIU) Campus at Education City<br>Malir, Karachi (Lot #2, Admin. Block &<br>Common Facilities and Lot #3, Male & Female<br>Students Hostel) Remaining Works. | 2% of<br>Bid | 728.009 (M)                         | Rs. 10,000/- | 15 Months              |

### Terms & Conditions:

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- 1- Tender documents can be obtained against the written request on company letter head along with Proprietor's CNIC copy/authorized nominee/PEC/NTN & SRB from the office of the Project Coordinator, Malir campus, Sindh Madressatul Islam University, Main Campus, Aiwan-e-Tijarat Road behind Habib Bank Plaza, Karachi with a Pay Order / Demand Draft as Tender Fee mentioned above (Non-Refundable) in favour of Sindh Madressatul Islam University, Karachi on any working day during office hours from Tuesday, 7<sup>th</sup> June-2022 to Tuesday, 21<sup>st</sup> June 2022 and can be downloaded from SPPRA website: <a href="https://www.smiu.edu.pk">www.smiu.edu.pk</a>
- 2- The filled Sealed Tenders will be received back on Wednesday, 22<sup>nd</sup>. June- 2022 by 14:30 hours at the Conference Room No. 02, First Floor Main building at Sindh Madressatul Islam University, Aiwan-e- Tijarat Road Behind Habib Bank Plaza, Karachi and will be opened on same day at 15:00 hours before the Procurement Committee and the bidders or their authorized representatives who wish to be present. After completion of Technical Proposals, Financial Proposals will be opened before the technically qualified bidders and they will be informed about date and time in due course of time through their e mail addresses and by courier service accordingly.

### 3- Mandatory Requirment:

- a. Valid registration with Pakistan Engineering Council (PEC) category C-2 or above in the relevant field of specialization of work in CE 01, CE09, CE10, EE01, EE02, EE04, EE05, EE07 and ME02.
- b. Registration with Sindh Revenue Board (SRB) Government of Sindh with STN Certificate with activated status.
- c. Registration with Income tax department (NTN certificates) with activated status in Federal Board of Revenue.

### 4- Eligibility Criteria: As per Appendix-M to Bid in Condition of Contract Volume-I.

5- Bid Validity Period is 90 days.

6- The earnest money at the rate of 2% of bid price should be submitted along with Bid in shape of Call Deposit or Pay order or Demand Draft or a Bank Guarantee issued by a scheduled bank in Pakistan or from foreign bank duly guaranteed by a schedule bank in Pakistan in favour of Sindh Madressatul Islam University, Karachi. The Bid Security shall be placed in an Envelope of Financial Bid/Proposal and Not in Technical Bid/Proposal.

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- 7- Conditional bid and bid without earnest money shall not be considered.
- 8- Bids must be offered on the prescribed bidding documents issued by Sindh Madressatul Islam University (SMIU), Karachi or downloaded from SPPRA/SMIU website.
- 9- In case of downloading the tender documents from SPPRA or SMIU website, the tender fee is required to be submitted along with the bid.
- 10- Procuring Agency reserves the right to reject all or any bids subject to the relevant provisions of SPPRA Rules-2010 (amended up to date).
- 11- In case any unforeseen situation resulting in closure of office on the date of opening or if Government declares Holiday, the tender shall be submitted/opened on the next working day at the same time and venue.

کریشن ناسور ہے

بدعنواني گهٽابو، باڪستان وڌايو

Äroject Coordinator Malir Campus, SMIU, Karachi.

# SINDH MADRESSATUL ISLAM UNIVERSITY

## CORRIGENDUM/ADDENDUM NO. 1

## Issued on JUNE 13, 2022.

WORKS: DEVELOPMENT OF SINDH MADRESSATUL ISLAM UNIVERSITY (SMIU) CAMPUS AT EDUCATION CITY MALIR, KARACHI (LOT #2, ADMIN. BLOCK & COMMON FACILITIES AND LOT #3, MALE & FEMALE STUDENTS HOSTEL) REMAINING WORKS

Notice No: SMIU/PC/MC/Pack-2 (RW)/Re-Tend/2022/50 dated 25<sup>th</sup> May 2022

SUBJECT: CORRIGENDUM/ADDENDUM No. 1

THE FOLLOWING DETAILS IN THIS CORRIGENDUM/ADDENDUM FORM PART OF THE TENDER DOCUMENTS FOR SUBJECT WORKS AND SHALL SUBSEQUENTLY BECOME A PART OF THE CONTRACT DOCUMENTS.

- The rates of schedule items in the Bill of Quantities of Male Student Hostel building Super Structure Works has been corrected as per PWD Schedule-2022. Consequently, the Engineer's Estimates for the subject works enhanced to Rs.751.750 M.
- 2. The Pre-bid meeting shall now be held on **22<sup>nd</sup> June 2022** at the same venue as mentioned in the Notice.
- 3. The last date for obtaining tender documents has been extended from 21st June 2022 to **28th June 2022**.
- 4. Consequently, sealed bids shall now be received on 29<sup>th</sup> June 2022 at 1430 hours at conference room No.2, First Floor Main Building at Sindh Madressatul Islam University, Aiwan-e-Tijarat Road Behind Habib Bank Plaza, Karachi and shall be opened on the same date at 1500 hours before the procurement committee of SMIU and bidder's authorized representatives who may wish to be present.

Attachments to this corrigendum/Addendum:-

1. Corrected Pages (1 to 6) of Bill of Quantities of Male Student Hostel building.

Reference: Re-Tender Notice Published in Daily Dawn, Daily Jang, Karachi and Daily Kawish, Hyderabad dated 4<sup>th</sup> June 2022 vide INF.KRY.NO.2582/2022.

## END OF CORRIGENDUM/ADDENDUM NO.1



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### CORRIGENDUM/ADDENDUM No.1 (Attachement) Development of Sindh Madressatul Islam University Campus At Education City, Karachi BILL OF QUANTITIES

|      |   | Package-2       |
|------|---|-----------------|
| S.No | Description   | Amount<br>(Rs.) |
|      | SCHEDULE (TEM   |                 |
| 1    | EARTH WORKS   | 2,612,125       |
| 2    | SUB STRUCTURE   | 11,205,641      |
| 3    | SUPER STRUCTURE   | 44,283,160      |
| 4    | MASONRY WORKS   | 10,825,073      |
| 5    | THERMAL & MOISTURE PROTECTION   | 957,677         |
| 6    | METAL WORKS   | 10,437,726      |
| 7    | WOOD WORKS  | 7,799,942       |
| 8    | FLOOR FINISHES  | 11,700,667      |
| 9    | WALL FINISHES   | 15,674,890      |
| 10   | CEILING FINISHES  | 2,788,800       |
| 11   | EXTERNAL FINISHES (BUILDING)  | 14,242,019      |
| 12   | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                | 194,065         |
|      | Total of Schedule Items - A<br>Premium on Items of PWD Schedule-2022    | 132,721,785     |
|      | Total of Schedule Items - A   |                 |
| В    | NON-SCHEDULE ITEM   |                 |
| 1    | EARTH WORKS   |                 |
| 2    | SUB STRUCTURE   |                 |
| 3    | SUPER STRUCTURE   |                 |
| 4    | MASONRY WORKS   |                 |
| 5    | THERMAL & MOISTURE PROTECTION   |                 |
| 6    | METAL WORKS   |                 |
| 7    | wood works  |                 |
| 8    | FLOOR FINISHES  |                 |
| 9    | WALL FINISHES   | THE PROPERTY    |
| 10   | CEILING FINISHES  |                 |
| 11   | EXTERNAL FINISHES (BUILDING)  |                 |
| 12   | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                |                 |
|      | Total of Non-Schedule Items - B<br>TOTAL CARRIED TO GRAND SUMMARY (A+B) |                 |

| EA Consulting<br>(Pvt) Ltd. |   |  |          |             |              | Student Hostel M<br>(Structure Wor |  |  |
|-----------------------------|---|--|----------|-------------|--------------|------------------------------------|--|--|
| .No                         | PWD Schedule                                  | Description  | Qty      | Unit        | Package-2    |                                    |  |  |
|                             | 2022 Ref.No                                   | 022 Ref.No   |          | (Sch. Rate) | Rate<br>(RS) | Amount<br>(RS)                     |  |  |
|                             | 2   | in fan in de staar wat in de staar een de staar weer weer de staar de staar de staar de staar de staar de staar  |          |             |              | 12                                 |  |  |
| 3                           |   | SUPER STRUCTURE<br>Note: All RCC Concrete will be used only Ready<br>mixed.  |          |             |              |                                    |  |  |
| 3.1                         | Code -114<br>Item # 4+135+138                 | <b>REINFORCED CONCRETE WORKS</b><br>Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>4500 lbs. per sq. inch</b><br>(31.04 N/mm2 at 28 days) with a mix not leaner than<br><b>1:1:2</b> in columns of square or rectangular shape of<br>regular section including form work and its removal,<br>compacting and curing etc. but excluding the cost<br>of reinforcement, in the ground floor etc. complete<br>in all respects as per drawing, standard ,<br>specifications and as directed by the Engineer. |          |             |              |                                    |  |  |
|                             | ltem #  | Columns (Cylindrical Strength 4000 Psi)  |          |             |              |                                    |  |  |
|                             | 24+135+138                                    | Ground Floor   | 0 Cft    | 100 Cft     | 64,028.94    | -                                  |  |  |
|                             | Item #<br>24+135+138+92<br>Item #             | First Floor  | 0 Cft    | 100 Cft     | 66,840.80    | -                                  |  |  |
|                             | 24+135+138+<br>92+93<br>Item #<br>24+135+138+ | Second Floor   | 0 Cft    | 100 Cft     | 69,051.39    | -                                  |  |  |
| 3.2                         | Code -114                                     | Roof<br>Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>3750 lbs. per sq. inch</b><br>(25.86 N/mm2 at 28 days) with a mix not leaner than<br><b>1:1-1/2:3</b> in columns of square or rectangular shape<br>of regular section including form work and its<br>removal, compacting and curing etc. but excluding<br>the cost of reinforcement, in the ground floor etc.<br>complete in all respects as per drawing,, standard,<br>specifications and as directed by the Engineer.                         | 0 Cft    | 100 Cft     | 71,261.98    | -                                  |  |  |
|                             | ltem #  | Columns (Cylindrical Strength 3125 Psi)  |          |             |              |                                    |  |  |
|                             | 24+134+137                                    | Ground Floor   | 1934 Cft | 100 Cft     | 56,426.81    | 1,091,295                          |  |  |
|                             | Item #  | First Floor  | 1892 Cft | 100 Cft     | 59,238.27    | 1,120.788                          |  |  |
|                             | Item #  | Second Floor   | 2717 Cft | 100 Cft     | 61,448.86    | 1,669.566                          |  |  |
|                             | 24+134+137+<br>92+93+93                       | Roof   | 436 Cft  | 100 Cft     | 63.659.45    | 277.555                            |  |  |

CORRIGENDUM/ADDENDUM No.1 (Attachement)

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### Development of Sindh Madressatul Islam University Campus At Education City, Karachi BILL OF QUANTITIES

Student Hostel Male (Structure Works)

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|       | BILL OF QUANTITIES                         |  |         |                       |              | ,              |
|-------|--|--|---------|-----------------------|--------------|----------------|
| \$.No | PWD Schedule<br>2022 Ref.No                | Description  | Qty     | Unit                  | Pack         | age-2          |
|       |  |  |         | (Sch. Rate)           | Rate<br>(RS) | Amount<br>(RS) |
| 3.3   | Code -114                                  |  |         | 44, Aug. 2007, 53 1 1 | 111100000    | 12 (1991)      |
|       | 0000-114                                   | Ploviding and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>4500 lbs. per sq. inch</b><br>(31.04 N/mm2 at 28 days) with a mix not leaner than<br><b>1:1:2</b> in straight walls more than 6 inches (152 mm)<br>thick including form work and its removal,<br>compacting and curing etc. but excluding the cost<br>of reinforcement, in foundation basement and plinth<br>etc. complete in all respects as per drawing,<br>standard , specifications and as directed by the<br>Engineer.   |         |                       |              |                |
|       | ltem #                                     | RCC Wall / Shear Wall <b>(Cylindrical Strength 4000</b><br><b>Psi)</b>   |         |                       |              |                |
|       | 30+135+138<br>Item #                       | Ground Floor   | 0 Cft   | 100 Cft               | 58,813.05    |                |
|       | 30+135+138+92<br>Item #<br>30+135+138+92+9 | First Floor  | 0 Cft   | 100 Cft               | 61,624.51    | -              |
|       | 3  | Second Floor   | 0 Cft   | 100 Cft               | 63,835.10    | -              |
|       | 30+135+138+<br>92+93+93                    | Roof   | 0 Cft   | 100 Cft               | 66,045.69    |                |
|       |  |  |         |                       |              |                |
|       |  | Total Carried to Collection  |         |                       |              | 4,159,203      |
| 3.4   | Code -114                                  | Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>3000 lbs. per sq. inch</b><br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than <b>1:2:4</b> in straight beams lintels cantilever beams<br>of required shape or section including form work<br>and its removal, compacting and curing etc. but<br>excluding the cost of reinforcement, in basement<br>and ground floor etc. complete in all respects as per<br>drawing, standard, specifications and as directed<br>by the Engineer.<br>Beams /Arches/ purdi / bracing / lintels / nibs / sills /<br>coping / parapet wall /bands/around opening and<br>projections <b>(Cylindrical Strength 2500 Psi)</b> |         |                       |              |                |
|       | ltem # 38+136                              | Ground Floor   | 1707 Cf | 100 Cft               | 47.322.89    | 807.802        |
|       | ltem # 38+136+92                           | First Floor  | 2878 Cf | t 100 Cft             | 50,134.35    | 1,442.867      |
|       | ltem # 38+136+<br>92+93                    | Second Floor   | 2909 Cf | 100 Cft               | 52.344.94    | 1.522,714      |
|       | ltem # 38+136+<br>92+93+93                 | Roof   | 180 Cf  | t 100 Cft             | 54.555.53    | 98.200         |

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| CORRIGENDUM/ADDENDUM No. | 1 | (Attachement) |
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### Development of Sindh Madressatul Islam University Campus At Education City, Karachi BILL OF QUANTITIES

Student Hostel Male (Structure Works)

|     |                               | BILL OF QUANTITIE   | 5        |                     |                   | (shockine wo   |
|-----|-------------------------------|---|----------|---------------------|-------------------|----------------|
| No  | PWD Schedule<br>2022 Ref.No   | Description   | Qty      | Unit<br>(Sch. Rate) | Pa                | ckage-2        |
|     | THERE SHOW AND AND ADDRESS OF |   |          | (SCH. KOle)         | Rate<br>(RS)      | Amount<br>(RS) |
|     |                               |   |          |                     |                   | 12             |
| 3.5 |                               | Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>3000 lbs. per sq. inch</b><br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than <b>1:2:4</b> in ordinary slab more than 6 inches (152<br>mm) thick including form work and its removal<br>compacting and curing etc. complete but<br>excluding the cost of reinforcement, in basement<br>and ground floor etc. complete in all respects as per<br>drawing, standard, specifications and as directed<br>by the Engineer. |          |                     |                   |                |
|     |                               | Slab i/c projections<br>(Cylindrical Strength 2500 Psi)   |          |                     |                   |                |
|     | Item # 57+136                 | Ground Floor  | 3993 Cft | 100 Cft             | 43,716.64         | 1,745,60       |
|     | Item # 57+136+92              | First Floor   | 766 Cft  | 100 Cft             | <b>46,528</b> .10 | 356,40         |
|     | 92+93                         | Second Floor  | 892 Cft  | 100 Cft             | 48,738.69         | 434,74         |
|     | Item # 57+136+<br>92+93+93    | Roof  | 0 Cft    | 100 Cft             | 50,949.28         |                |
|     |                               |   |          |                     |                   |                |
| 0.4 |                               | Total Carried to Collection   |          |                     |                   | 6,408,34       |
| 3.6 | Code-114                      | Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per sq. Inch<br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than 1:2:4 in straight stairs and landing of required<br>section including form work and its removal,<br>compacting and curing etc. complete but<br>excluding the cost of reinforcement, in basement<br>plinth and ground floor.etc. complete in all respects<br>as per drawing, standard, specifications and as<br>directed by the Engineer.       |          |                     |                   | 0,400,34       |
|     |                               | Stair Case / steps /seats (Steps, Landing<br>& Waist slab) (Cylindrical Strength 2500 Psi)  |          |                     |                   |                |
|     | Item # 50+136                 | Ground Floor  | 182 Cft  | 100 Cft             | 57.830.03         | 105.251        |
|     | ltem # 50+136+92              |   | 371 Cft  | 100 Cft             | 60.641.49         | 224.980        |
|     | 92+93                         | Second Floor  | 371 Cft  | 100 Ctt             | 62.852.08         | 233.181        |
|     |                               |   |          |                     |                   |                |

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CORRIGENDUM/ADDENDUM No.1 (Attachement)

Development of Sindh Madressatul Islam University Campus At Education City, Karachi BILL OF QUANTITIES

Student Hostel Male (Structure Works) 30.

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|   | BILL OF QUANTITIE  | S  |   |  | (Structure Works)  |
|---|--|--|---|--|--|
| PWD Schedule<br>2022 Ref.No             | Description  | Qtv  | Unit  | Pac  | kage-2   |
| 2                                       |  |  |   | Rate<br>(RS)   | Amount<br>(RS)   |
| Code -114                               | mini and down gauge having a minimum works   |  |   |  |  |
| Item #<br>114+136+(127x3),<br>Code -114 | OH Water Tank Bottom Slab<br>(Cylindrical Strength 2500 Psi)<br>Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per sq. inch<br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than 1:2:4 in straight walls in over head water tank<br>bins, bunkers, intze tanks and silo up to a height of 30<br>feet (9 m) above ground including form works and<br>its removal, compacting and curing etc. complete<br>but excluding the cost of reinforcement etc.<br>complete in all respects as per drawing, standard ,<br>specifications and as directed by the Engineer. | 162 Cft  | 100 C†  | 65.270.28  | 105.738  |
| ltem #<br>112+136+(127x3),              | OH Water Tank Walls<br>(Cylindrical Strength 2500 Psi)   | 200 Cft  | 100 Cft   | 68.265.97  | 136.532  |
|   | Total Carried to Collection  |  |   |  | 805.682  |
| llem #                                  | with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>3000 lbs. per sq. Inch</b><br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than <b>1:2:4</b> in roof slab of over head water tank up to<br>a height of 30 feet (9 m) above ground including<br>form works and its removal, compacting and curing<br>etc. complete but excluding the cost of<br>reinforcement.etc. complete in all respects as per<br>drawing, standard, specifications and as directed<br>by the Engineer.  | 116 Cft  | 100 C#  | 59.662.68  | 69.209   |
|   | 2022 Ref.No<br>Code -114<br>Ltem #<br>114+136+(127x3),<br>Code -114<br>Ltem #<br>112+136+(127x3),<br>Code -114   | PWD Schedule<br>2022 Ret.No         Description           Code -114         Providing and laying reinforced commit concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per sq. Inch<br>120.69 N /mm 2 at 28 days) with a mix not leaner<br>than 1:24 in a square of rectangular bottom slab of<br>over head water tank up to a height of 30 feet (9 m)<br>above ground including form works and its removal,<br>compacting and curing etc. complete but<br>excluding the cost of reinforcement.etc. complete<br>but<br>excluding the cost of reinforcement.etc. complete<br>in all respects as per drawing, standard ,<br>specifications and as directed by the Engineer.           Item #         OH Water Tank Bottom Slab<br>(Cylindrical Strength 2500 Psi)           Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per sq. Inch<br>(20.69 N /mm 2 of 28 days) with a mix not leaner<br>than 1:24 in straight walls in over head water tank<br>bins, burkers, intze tanks and silo up to a height of 30<br>feet (9 m) above ground including form works and<br>its removal, compacting and curing etc. complete<br>but excluding the cost of reinforcement etc.<br>complete in all respects as per drawing, standard,<br>specifications and as directed by the Engineer.           Item #         OH Water Tank Walls<br>(Cylindrical Strength 2500 Psi)           Code -114         Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per sq. Inch<br>(20.69 N /mm 2 of 12 8 days) with a mix not leaner<br>than 1:24 in roof slab of over head water tank up to<br>a height of 30 feet (9 m) above ground including<br>form works and its r | PWD Schedule<br>2022 Ref.No         Description         Ory           Code-114         Providing and laying tenforced cement concrete<br>with using crushed graded boulders 3/4" inch [19<br>mm] and dawn gauge having a minimum works<br>cube crushing strength of 3000 lbs. per sq. inch<br>[20.69 N /mm 2 of 28 days) with a mix not leaner<br>than 1:2:4 in a square of rectangular bottom stob of<br>over head water tank up to a height of 30 teel (9 m)<br>above ground including form works and its removal,<br>compacting and curing etc. complete but<br>excluding the cost of reinforcement.etc. complete<br>in all respects as per drawing, standard<br>specifications and as directed by the Engineer.         162 Cft           Item #         OH Water Tank Bottom Stab         162 Cft           Code-114         Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch [19<br>mm] and down gauge having a minimum works<br>cube crushing strength c3300 lbs. per sq. inch<br>(20.69 N /mm 2 of 28 days) with a mix not leaner<br>than 1:2:4 in straight wals in over head water tank<br>bins.bunkes, intze tanks and slup to a height of 30<br>feet (9 m) above ground including form works and<br>its removal, compacting and curing etc. complete<br>but excluding the cost of reinforcement etc.<br>complete in all respects as per drawing. standard<br>specifications and as directed by the Engineer.           Item #         OH Water Tank Walls         200 Cft           Code-114         Providing and jaying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch [19<br>mm] and down gauge having a minimum works<br>cube crushing strength of 300 lbs. per sq. inch<br>(20.67 N /mm 2 of 28 days) with a mix not leaner<br>tan 1:2:4 in roof stab of over head water tank up to<br>a height of 30 feet [9 m] above ground including<br>torm works and its removal, com | PWD Schedule<br>2022 Ret No         Description         Ory         Unit<br>(Sch. Rate)           Code -114         Providing and laying reinforced contant controlled<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per 1g, lach<br>(20.69 N./mm 2 of 28 dows) with a mix not learner<br>than 1:24 in a square of rectongular boulant stab of<br>over head water tank up to a height of 30 feet (9 m)<br>above ground including from works and its removal.<br>compacting and laying reinforced complete buil<br>excluding the cast of reinforcement .etc. complete<br>buil<br>excluding the cast of reinforcement .etc. complete<br>buil<br>excluding the cast of reinforcement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per 1g, linch<br>(20.69 N/mm 2 of 28 doys) with a mix not learner<br>than 1:24 in straight walls in over head water tank<br>bins. burkes: intriz tanks and slo up to a height of 30<br>feet (9 m) above ground including form works and<br>its removal. compacting and cuing etc. complete<br>but excluding the cost of reinforcement etc.<br>complete in all respects as per drawing, standard,<br>specifications and as directed by the Engineer.         100 CH           Item #<br>DH Water Tank Walls         200 CH         100 CH           Item #<br>DH Water Tank walls         200 CH         100 CH           Item #<br>DH Water Tank walls         200 CH         100 CH           Item #<br>DH Water Tank walls         200 CH         100 CH           Item #<br>DH Water Tank walls         200 CH         100 CH           Item #<br>DH Water Tank walls         200 CH         100 CH      < | PWD Schedule<br>2022 Ref No         Description         Oty         Unit<br>(sch. Role)           Code -114         Providing and damp inflated content concrete<br>with using crusted graded boulders 3/41 inch [19<br>mm] and dawn gauge having a minimum works<br>cube crusting strangth of 3000 lbs. per 14, inch<br>120 § N / mm 2 at 28 days) with a mix not learer<br>than 124 in a space clangular bottom sibo of<br>over head water that up to a height of 30 feel (9 m)<br>above ground including medicarement i.c. complete<br>n oil respects a per drawing, standard<br>seedleding the cost of reinforcement electromy<br>specifications and a directed by the Engineer.         162 Ctf         100 Ctf         65.270.281           Hem #         OH Water Tank Boltom Stab         162 Ctf         100 Ctf         65.270.281           114+13e+(127x3);         (Cylindrical Strength 2500 Fsi)         162 Ctf         100 Ctf         65.270.281           Code -114         Providing and lowing reinforced cement concrete<br>with using crusted graded boulders 3/4" inch [19<br>mm] and dawn gauge having a minimum works<br>cube crusting strength of 3000 lbs, per 14, linch<br>(20.4 P / Mm 2 of 28 day) with a mix not learer<br>than 1:24 in straight wolls in over nead water tark<br>bins. burkers, inter forks and sile up to a height of 30<br>feel (9 m) above ground including form works and<br>its removal, compacting and cuing etc. complete<br>but excluding the cost of reinforcement elec-<br>complete ind respects ob per diversity. Inch [19<br>mm] and dawn gauge having a minimum works<br>cube crusting strength of 3000 lbs, per 9, linch<br>(20.4 P / fm/ 21 28 day) with a mix not learer<br>than 1:24; in crofs bo for everthe day date<br>cube crusting strength of 3000 lbs, per 9, linch<br>(20.4 P / Mater Tank Walls         200 Ctf         100 Ctf |

Page 5 of 6

CORRIGENDUM/ADDENDUM No.1 (Attachement)

### EA Consulting (Pvt) Ltd.

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### Development of Sindh Madressatul Islam University Campus At Education City, Karachi BILL OF QUANTITIES

Student Hostel Male (Structure Works)

|      | PWD Schedule                         |  | 01       | Unit        | Pack         | kage-2         |  |
|------|--------------------------------------|--|----------|-------------|--------------|----------------|--|
| S.No | 2022 Ref.No                          | Description  | Qty      | (Sch. Rate) | Rate<br>(RS) | Amount<br>(RS) |  |
|      |                                      | a anna 1997 a suada a companya a<br>A companya a   |          |             |              |                |  |
| 3.10 | Code -114                            | Providing & Laying reinforced cement concrete with<br>using crushed graded boulders 3/4" (19mm) and<br>down gauge having a minimum works cube<br>crushing strength of <b>3000 lbs. per sq. inch</b> (20.69<br>N/mm2 at 28 days) with a mix not leaner than <b>1:2:4</b><br>in ordinary <b>slab 5 inches (127 mm) to 6 inches</b> (152<br>mm) thick including formwork & its removal<br>compacting & curing etc. but excluding the cost of<br>reinforcement in basement plinth & ground floor etc.<br>complete in all respects as per drawings standards<br>specifications and as directed by the Engineer.   |          |             |              |                |  |
|      |                                      | (Cylindrical Strength 2500 Psi)  |          |             |              |                |  |
|      | Item # 56+136                        | Ground Floor   | 2876 Cft | 100 Cft     | 45,586.77    | 1,311,076      |  |
|      | Item # 56+136+92                     | First Floor  | 5540 Cft | 100 Cft     | 48,398.23    | 2,681,262      |  |
|      | Item # 56+136+<br>92+93              | Second Floor   | 5540 Cft | 100 C#      | 50 (09 92    | 2,803,729      |  |
|      | 72+75                                | Second Floor   | 5540 CT  | 100 Cft     | 50,608.82    | 2,003,729      |  |
|      | Item # 56+136+<br>92+93+93           | Roof   | 419 Cft  | 100 Cft     | 52,819.41    | 221.313        |  |
| 3.11 | Code -114                            | Providing and laying hard grade ribbed deformed<br>(minimum yield point 60,000 psi or 414 Mpa)<br>reinforcement bars with & including the cost of<br>straightening, cutting, bending, binding, wastage,<br>and such overlaps as are not shown in the drawings,<br>placing in position on cement concrete 1:2:4<br>precast or Ms. chairs, tying with binding wire, cost of<br>chairs and wires etc. in all kinds of RCC work in<br>foundation, basement, plinth and ground floor of<br>building including septic tanks and under ground<br>tanks and in projections for future extension.etc.<br>complete in all respects as per drawing, standard,<br>specifications and as directed by the Engineer.<br>(Bars to be cut and placed in position at any level<br>according to the Bar bending schedule prepared by<br>the contractor and approved by the Engineer). | ×        |             |              |                |  |
|      | ltem # 166                           | Ground Floor   | 15315 Kg | Kg          | 254.51       | 3,897,821      |  |
|      | Item # 166+174                       | First Floor  | 34016 Kg | Kg          | 258.95       | 8,808,443      |  |
|      | ltem #<br>166+174+175<br>166+174+175 | Second Floor   | 43408 Kg | Kg          | 263.39       | 11,433,233     |  |
|      | +175                                 | Roof   | 6287 Kg  | Kg          | 267.83       | 1.683.847      |  |
|      | 1                                    | Total Carried to Collection  |          |             |              | 32,909,933     |  |
|      |                                      | COLLECTION<br>Page No -7   |          |             | THE PART     | 4,159.203      |  |
|      |                                      | Page No -8   |          |             |              | 6,408,342      |  |
|      |                                      | Page No -9   |          |             | real         | 805,682        |  |
|      |                                      | Total from this Page   |          |             |              | 32,909,933     |  |
|      |                                      |  |          |             | •            |                |  |

# SINDH MADRESSATUL ISLAM UNIVERSITY

# CORRIGENDUM NO. 2

## Issued on JUNE 14, 2022.

WORKS: DEVELOPMENT OF SINDH MADRESSATUL ISLAM UNIVERSITY (SMIU) CAMPUS AT EDUCATION CITY MALIR, KARACHI (LOT #2, ADMIN. BLOCK & COMMON FACILITIES AND LOT #3, MALE & FEMALE STUDENTS HOSTEL) REMAINING WORKS

Notice No: SMIU/PC/MC/Pack-2 (RW)/Re-Tend/2022/50 dated 25<sup>th</sup> May 2022

SUBJECT: CORRIGENDUM No. 2

THE FOLLOWING DETAILS IN THIS CORRIGENDUM FORM PART OF THE TENDER DOCUMENTS FOR SUBJECT WORKS AND SHALL SUBSEQUENTLY BECOME A PART OF THE CONTRACT DOCUMENTS.

1. Some rates of schedule items in the Bill of Quantities of all buildings has been corrected as per PWD Schedule-2022. Consequently, the Engineer's Estimates for the subject works enhanced to **Rs.765.751 M**.

Note: Similar pages/items in the original Bill of Quantities and last issued Addendum/Corrigendum No.1 shall substitute by the pages/items of this Corrigendum.

Attachments to this Corrigendum:-

1. Corrected Pages (1 to 13) of Bill of Quantities.

Reference: Re-Tender Notice Published in Daily Dawn, Daily Jang, Karachi and Daily Kawish, Hyderabad dated 4<sup>th</sup> June 2022 vide INF.KRY.NO.2582/2022.

# END OF CORRIGENDUM NO.2

### Development of Sindh Madressatul Islam University Campus At Education City, Karachi

Administration Block (Civil Works)

### **BILL OF QUANTITIES**

| <b>6</b> N |  | Package-2       |
|------------|--|-----------------|
| S.No       | Description  | Amount<br>(Rs.) |
| Α          | SCHEDULE ITEM  |                 |
| 1          | EARTH WORKS  | 2,188,348       |
| 2          | SUB STRUCTURE  | 14,131,637      |
| 3          | SUPER STRUCTURE  | 67,934,610      |
| 4          | MASONRY WORKS  | 9,335,037       |
| 5          | THERMAL & MOISTURE PROTECTION                            | 1,177,901       |
| 6          | METAL WORKS  | 8,981,800       |
| 7          | wood works   | 5,710,825       |
| 8          | FLOOR FINISHES   | 8,596,644       |
| 9          | WALL FINISHES  | 12,412,868      |
| 10         | CEILING FINISHES   | 2,849,367       |
| 11         | EXTERNAL FINISHES (BUILDING)                             | 7,729,418       |
| 12         | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA) | 427,640         |
|            | Total of Schedule Items                                  | 141,476,095     |
|            | Premium on Items of PWD Schedule-2022                    |                 |
|            | Total of Schedule Items With Premium - A                 |                 |
| B          | NON-SCHEDULE ITEM  |                 |
|            |  |                 |
| 2<br>3     |  |                 |
| 3<br>4     | SUPER STRUCTURE<br>MASONRY WORKS                         |                 |
| 4<br>5     | THERMAL & MOISTURE PROTECTION                            |                 |
| 6          | METAL WORKS  |                 |
| 7          | WOOD WORKS   |                 |
| ,<br>8     | FLOOR FINISHES   |                 |
| 9          | WALL FINISHES  |                 |
| 10         | CEILING FINISHES   |                 |
| 11         | EXTERNAL FINISHES (BUILDING)                             |                 |
| 12         | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA) |                 |
|            | Total of Non-Schedule Items - B                          |                 |
|            | TOTAL CARRIED TO GRAND SUMMARY (A+B)                     |                 |

### CORRIGENDUM No.2 (Attachement) Development of Sindh Madressatul Islam University Campus At Education City, Karachi

|      | -  |            |
|------|----|------------|
| BILL | OF | QUANTITIES |

|      |  |   |          | 11-11               | Pacl         | (age-2         |
|------|--|---|----------|---------------------|--------------|----------------|
| S.No | PWD Schedule<br>2022 Ref.No                    | Description   | Qty      | Unit<br>(Sch. Rate) | Rate<br>(RS) | Amount<br>(RS) |
| 1    | 2  | 3   | 4        | 5                   | 6            | 7              |
| 3.8  | Code -114                                      | Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>3000 lbs. per sq. inch</b><br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than <b>1:2:4</b> in roof slab of over head water tank up<br>to a height of 30 feet (9 m) above ground<br>including form works and its removal, compacting<br>and curing etc. complete but excluding the cost of<br>reinforcement.etc. complete in all respects as per<br>drawing, standard, specifications and as directed<br>by the Engineer.  |          |                     |              |                |
| 3.9  | Item #<br>118+136+(127x2),<br>Code -114        | OH Water Tank Top Slab<br>(Cylindrical Strength 2500 Psi)<br>Providing and laying hard grade ribbed deformed<br>(minimum yield point 60,000 psi or 414 Mpa)<br>reinforcement bars with & including the cost of<br>straightening, cutting, bending, binding, wastage,<br>and such overlaps as are not shown in the<br>drawings, placing in position on cement concrete<br>1:2:4 precast or Ms. chairs, tying with binding wire,<br>cost of chairs and wires etc. in all kinds of RCC work<br>in foundation, basement, plinth and ground floor of<br>building including septic tanks and under ground<br>tanks and in projections for future extension.etc.<br>complete in all respects as per drawing, standard,<br>specifications and as directed by the Engineer.<br>(Bars to be cut and placed in position at any level<br>according to the Bar bending schedule prepared<br>by the contractor and approved by the Engineer). |          | 100 Cft             | 57,678.88    | 36,914         |
|      | Item # 166                                     | Ground Floor  | 59114 Kg | Kg                  | 282.45       | 16,696,749     |
|      | ltem # 166+174                                 | First Floor   | 52248 Kg | -                   | 286.89       | 14,989,429     |
|      | Item #<br>166+174+175<br>Item #<br>166+174+175 | Second Floor  | 43699 Kg |                     | 291.33       | 12,730,830     |
|      | +175   | Roof  | 4925 Kg  | Kg                  | 295.77       | 1,456,667      |
|      |  | Total Carried to Collection   |          |                     |              | 45,910,589     |
|      |  | COLLECTION  |          |                     |              |                |
|      |  | Page No -7  |          |                     |              | 7,992,989      |
|      |  | Page No -8  |          |                     |              | 12,905,538     |
|      |  | Page No -9  |          |                     |              | 1,125,494      |
|      |  | Total from this Page  |          |                     |              | 45,910,589     |
|      |  | Total Carried to Summary  |          |                     |              | 67,934,610     |

# CORRIGENDUM No.2 (Attachement) Development of Sindh Madressatul Islam University

Campus At Education City, Karachi

Cafeteria (Civil Works)

### **BILL OF QUANTITIES**

| C N a | Description   | Package-2       |
|-------|---|-----------------|
| S.No  | Description   | Amount<br>(Rs.) |
| Α     | SCHEDULE ITEM   | (10.)           |
| 1     | EARTH WORKS   | 319,938         |
| 2     | SUB STRUCTURE   | 6,508,895       |
| 3     | SUPER STRUCTURE   | 5,369,199       |
| 4     | MASONRY WORKS   | 829,261         |
| 5     | THERMAL & MOISTURE PROTECTION   | 186,812         |
| 6     | METAL WORKS   | 1,238,437       |
| 7     | wood works  | 467,016         |
| 8     | FLOOR FINISHES  | 594,935         |
| 9     | WALL FINISHES   | 480,735         |
| 10    | CEILING FINISHES  | 169,545         |
| 11    | external finishes (building)  | 498,373         |
| 12    | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                | 731,481         |
|       | <b>Total of Schedule Items</b><br>Premium on Items of PWD Schedule-2022 | 17,394,626      |
|       | Total of Schedule Items with Premium - A                                |                 |
| В     | NON-SCHEDULE ITEM   |                 |
| 1     | EARTH WORKS   |                 |
| 2     | SUB STRUCTURE   |                 |
| 3     | SUPER STRUCTURE   |                 |
| 4     | MASONRY WORKS   |                 |
| 5     | THERMAL & MOISTURE PROTECTION   |                 |
| 6     | METAL WORKS   |                 |
| 7     | wood works  |                 |
| 8     | FLOOR FINISHES  |                 |
| 9     | WALL FINISHES   |                 |
| 10    | CEILING FINISHES  |                 |
| 11    | external finishes (building)  |                 |
| 12    | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                |                 |
|       | Total of Non-Schedule Items - B   |                 |
|       | TOTAL CARRIED TO GRAND SUMMARY (A+B)                                    |                 |

### Development of Sindh Madressatul Islam University

Campus At Education City, Karachi

Cafeteria (Structure Works)

#### **BILL OF QUANTITIES** Package-2 **PWD Schedule** Unit Description S.No Qty 2022 Ref.No (Sch. Rate) Rate Amount (RS) (RS) 1 2 3 4 11 12 3.6 Code -114 Providing and laying reinforced cement concrete with using crushed graded boulders 3/4" inch (19 mm) and down gauge having a minimum works cube crushing strength of 3000 lbs. per sq. inch (20.69 N /mm 2 at 28 days) with a mix not leaner than 1:2:4 in roof slab of over head water tank up to a height of 30 feet (9 m) above ground including form works and its removal, compacting and curing etc. complete but excluding the cost of reinforcement.etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer. OH Water Tank Top Slab Item # 118+136 14 Cft (Cylindrical Strength 2500 Psi) 100 Cft 53,711.28 7,520 3.7 Code -114 Providing and laying hard grade ribbed deformed (minimum yield point 60,000 psi or 414 Mpa) reinforcement bars with & including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown in the drawings, placing in position on cement concrete 1:2:4 precast or Ms. chairs, tying with binding wire, cost of chairs and wires etc. in all kinds of RCC work in foundation, basement, plinth and ground floor of building including septic tanks and under ground tanks and in projections for future extension.etc. complete in all respects as per drawing, standard specifications and as directed by the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer). Item # 166 Ground Floor 13119 Kg 282.45 3,705,462 Kg **Total Carried to Collection** 3,712,982 COLLECTION Page No -7 1,605,095 Page No -8 51,122 3,712,982 Total from this Page **Total Carried to Summary** 5,369,199

### Development of Sindh Madressatul Islam University Campus At Education City, Karachi

Library (Civil Works)

| r     | BILL OF QUANTITIES  |                 |
|-------|---|-----------------|
| C No. | Dessintian  | Package-2       |
| S.No  | Description   | Amount<br>(Rs.) |
| Α     | SCHEDULE ITEM   |                 |
| 1     | EARTH WORKS   | 968,463         |
| 2     | SUB STRUCTURE   | 25,093,544      |
| 3     | SUPER STRUCTURE   | 62,602,709      |
| 4     | MASONRY WORKS   | 3,818,678       |
| 5     | THERMAL & MOISTURE PROTECTION   | 843,286         |
| 6     | METAL WORKS   | 4,482,227       |
| 7     | wood works  | 2,363,480       |
| 8     | FLOOR FINISHES  | 9,646,568       |
| 9     | WALL FINISHES   | 7,103,166       |
| 10    | CEILING FINISHES  | 2,753,660       |
| 11    | EXTERNAL FINISHES (BUILDING)  | 3,727,806       |
| 12    | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                | 17,021          |
|       | <b>Total of Schedule Items</b><br>Premium on Items of PWD Schedule-2022 | 123,420,608     |
|       | Total of Schedule Items with Premium - A                                |                 |
| В     | NON-SCHEDULE ITEM   |                 |
| 1     | EARTH WORKS   |                 |
| 2     | SUB STRUCTURE   |                 |
| 3     | SUPER STRUCTURE   |                 |
| 4     | MASONRY WORKS   |                 |
| 5     | THERMAL & MOISTURE PROTECTION   |                 |
| 6     | METAL WORKS   |                 |
| 7     | wood works  |                 |
| 8     | FLOOR FINISHES  |                 |
| 9     | WALL FINISHES   |                 |
| 10    | CEILING FINISHES  |                 |
| 11    | EXTERNAL FINISHES (BUILDING)  |                 |
| 12    | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                |                 |
|       | Total of Non-Schedule Items - B   |                 |
|       | TOTAL CARRIED TO GRAND SUMMARY (A+B)                                    |                 |

### Development of Sindh Madressatul Islam University

**BILL OF QUANTITIES** 

Campus At Education City, Karachi

Library (Structure Works)

#### Package-2 **PWD Schedule** Unit S.No Description Qtv 2022 Ref.No (Sch. Rate) Amount Rate (RS) (RS) 4 5 11 12 1 2 3 Providing and laying reinforced cement concrete 3.10 Code -114 with using crushed graded boulders 3/4" inch (19 mm) and down gauge having a minimum works cube crushing strength of 3000 lbs. per sq. inch (20.69 N /mm 2 at 28 days) with a mix not leaner than 1:2:4 in roof slab of over head water tank up to a height of 30 feet (9 m) above ground including form works and its removal, compacting and curing etc. complete but excluding the cost of reinforcement.etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer. OH Water Tank Top Slab Item # 88 Cft 100 Cft 57,678.88 (Cylindrical Strength 2500 Psi) 50,757 118+136+(127x2), Providing and laying hard grade ribbed deformed 3.1 Code -114 (minimum yield point 60,000 psi or 414 Mpa) reinforcement bars with & including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown in the drawings, placing in position on cement concrete 1:2:4 precast or Ms. chairs, tying with binding wire, cost of chairs and wires etc. in all kinds of RCC work in foundation, basement, plinth and ground floor of building including septic tanks and under ground tanks and in projections for future extension.etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer). Item # 166 Ground Floor 37759 Kg Kg 282.45 10,665,030 Item # 166+174 First Floor 35917 Kg Кg 286.89 10,304,228 Item # 166+174+175 Roof 291.33 10,472,148 35946 Kg Kg Item # 166+174+175 +175 Upper Roof 34390 Kg 295.77 10,171,530 Kg **Total Carried to Collection** 41.663.693 COLLECTION Page No -7 4,604,504 Page No -8 15,257,325 Page No -9 1,077,187

Total from this Page

**Total Carried to Summary** 

62,602,709

41,663,693

### Development of Sindh Madressatul Islam University Campus At Education City, Karachi

Student Welfare Center (Civil Works)

1

### **BILL OF QUANTITIES**

|      |   | Package-2       |
|------|---|-----------------|
| S.No | Description   | Amount<br>(Rs.) |
| Α    | SCHEDULE ITEM   |                 |
| 1    | EARTH WORKS   | 419,838         |
| 2    | SUB STRUCTURE   | 8,502,470       |
| 3    | SUPER STRUCTURE   | 34,860,766      |
| 4    | MASONRY WORKS   | 5,266,179       |
| 5    | THERMAL & MOISTURE PROTECTION   | 1,885,317       |
| 6    | METAL WORKS   | 3,412,243       |
| 7    | wood works  | 2,052,204       |
| 8    | FLOOR FINISHES  | 5,775,653       |
| 9    | WALL FINISHES   | 7,488,140       |
| 10   | CEILING FINISHES  | 635,570         |
| 11   | EXTERNAL FINISHES (BUILDING)  | 4,162,028       |
| 12   | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                | 1,159,696       |
|      | <b>Total of Schedule Items</b><br>Premium on Items of PWD Schedule-2022 | 75,620,104      |
|      | Total of Schedule Items with Premium - A                                |                 |
| В    | NON-SCHEDULE ITEM   |                 |
| 1    | EARTH WORKS   |                 |
| 2    | SUB STRUCTURE   |                 |
| 3    | SUPER STRUCTURE   |                 |
| 4    | MASONRY WORKS   |                 |
| 5    | THERMAL & MOISTURE PROTECTION   |                 |
| 6    | METAL WORKS   |                 |
| 7    | WOOD WORKS  |                 |
| 8    | FLOOR FINISHES  |                 |
| 9    | WALL FINISHES   |                 |
| 10   |   |                 |
| 11   | EXTERNAL FINISHES (BUILDING)  |                 |
| 12   | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                |                 |
|      | Total of Non-Schedule Items - B   |                 |
|      | TOTAL CARRIED TO GRAND SUMMARY (A+B)                                    |                 |

# Development of Sindh Madressatul Islam University

Student Welfare Center (Structure Works)

# Campus At Education City, Karachi **BILL OF QUANTITIES**

|      | PWD Schedule                | WD Schedule  |           | Unit<br>(Sch. Rate) | Package-2    |                |
|------|-----------------------------|--|-----------|---------------------|--------------|----------------|
| S.No | 2022 Ref.No                 | Description  | Qty       |                     | Rate<br>(RS) | Amount<br>(RS) |
| 1    | 2                           | 3  | 4         | 5                   | 6            | 7 = 4 x 6      |
| 3.9  | Code -114                   | Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>3000 lbs. per sq. inch</b><br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than <b>1:2:4</b> in roof slab of over head water tank up to<br>a height of 30 feet (9 m) above ground including<br>form works and its removal, compacting and curing<br>etc. complete but excluding the cost of<br>reinforcement.etc. complete in all respects as per<br>drawing, standard, specifications and as directed   |           |                     |              |                |
| 3.10 | Item # 118+136<br>Code -114 | OH Water Tank Top Slab<br>(Cylindrical Strength 2500 Psi)<br>Providing and laying hard grade ribbed deformed<br>(minimum yield point 60,000 psi or 414 Mpa))<br>reinforcement bars with & including the cost of<br>straightening, cutting, bending, binding, wastage,<br>and such overlaps as are not shown in the drawings,<br>placing in position on cement concrete 1:2:4<br>precast or Ms. chairs, tying with binding wire, cost of<br>chairs and wires etc. in all kinds of RCC work in<br>foundation, basement, plinth and ground floor of<br>building including septic tanks and under ground<br>tanks and in projections for future extension.etc.<br>complete in all respects as per drawing, standard,<br>specifications and as directed by the Engineer.<br>(Bars to be cut and placed in position at any level<br>according to the Bar bending schedule prepared<br>by the contractor and approved by the Engineer). | 48 Cft    | 100 Cft             | 53,711.28    | 25,781         |
|      | ltem # 166                  | Ground Floor   | 28794 Kg  | Kg                  | 282.45       | 8,132,865      |
| 3.11 | Code -119                   | STEEL STRUCTURE WORKS (TRUSSES)<br>Providing and fixing M. S. tees, angles and flats<br>including welding all the sides of the section at the<br>junction, gusset plates where required bolts, nuts<br>etc. complete with hoisting and erecting in position<br>in steel trusses, frames, towers etc. of any design in<br>ground floor etc. complete in all respects as per<br>drawing, standard, specifications and as directed<br>by the Engineer.  | 20774 Ng  | κġ                  | 202.40       | 0,102,000      |
|      | ltem # 42                   | Ground Floor   | 58773 Kg  | Kg                  | 344.46       | 20,244,948     |
| 3.12 | Code -122                   | <b>PAINTING ON STEEL STRUCTURE (TRUSSES)</b><br>Providing and applying painting iron work with<br>enamel paint of approved make and shade two<br>coats over and including the cost of one coat of<br>priming complete at any height in any floor. etc.<br>complete in all respects as per drawing, standard,<br>specifications and as directed by the Engineer.  |           |                     |              |                |
|      | ltem # 158                  | Ground Floor   | 37844 Sft | 100 Sft             | 5,819.10     | 2,202,180      |
|      |                             | Total Carried to Collection  |           |                     |              | 30,605,774     |
|      |                             | COLLECTION   |           |                     |              |                |
|      |                             | Page No -7   |           |                     |              | 4,174,300      |
|      |                             | Page No -8   |           |                     |              | 80,692         |
|      |                             | Total from this Page   |           |                     |              | 30,605,774     |
|      |                             | Total Carried to Summary   |           |                     |              | 34,860,766     |

# CORRIGENDUM No.2 (Attachement) Development of Sindh Madressatul Islam University Campus At Education City, Karachi BILL OF QUANTITIES

|      |   | Package-2       |
|------|---|-----------------|
| S.No | Description   | Amount<br>(Rs.) |
| Α    | SCHEDULE ITEM   |                 |
| 1    | EARTH WORKS   | 2,612,125       |
| 2    | SUB STRUCTURE   | 11,205,641      |
| 3    | SUPER STRUCTURE   | 47,049,947      |
| 4    | MASONRY WORKS   | 10,825,073      |
| 5    | THERMAL & MOISTURE PROTECTION   | 957,677         |
| 6    | METAL WORKS   | 10,437,726      |
| 7    | wood works  | 7,799,942       |
| 8    | FLOOR FINISHES  | 11,700,667      |
| 9    | WALL FINISHES   | 15,674,890      |
| 10   | CEILING FINISHES  | 2,788,800       |
| 11   | EXTERNAL FINISHES (BUILDING)  | 14,242,019      |
| 12   | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                | 194,065         |
|      | Total of Schedule Items - A<br>Premium on Items of PWD Schedule-2022    | 135,488,572     |
|      | Total of Schedule Items - A   |                 |
| В    | NON-SCHEDULE ITEM   |                 |
| 1    | EARTH WORKS   |                 |
| 2    | SUB STRUCTURE   |                 |
| 3    | SUPER STRUCTURE   |                 |
| 4    | MASONRY WORKS   |                 |
| 5    | THERMAL & MOISTURE PROTECTION   |                 |
| 6    | METAL WORKS   |                 |
| 7    | WOOD WORKS  |                 |
| 8    | FLOOR FINISHES  |                 |
| 9    | WALL FINISHES   |                 |
| 10   | CEILING FINISHES  |                 |
| 11   | EXTERNAL FINISHES (BUILDING)  |                 |
| 12   | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                |                 |
|      | Total of Non-Schedule Items - B<br>TOTAL CARRIED TO GRAND SUMMARY (A+B) |                 |

EA Consulting (Pvt) Ltd.

# CORRIGENDUM No.2 (Attachement) Development of Sindh Madressatul Islam University

Campus At Education City, Karachi BILL OF QUANTITIES

**Student Hostel Male** (Structure Works)

| S.NO     2022 Ref.No     Description     City     (Sch. Refe)     Rate<br>(RS)     Am<br>(R       3.10     Code -114     Providing & Loying reinforced cement concrete with<br>using crusted graded boulders 3/4" (19mm) and<br>down gouge howing a minimum winds cube<br>crusting steergin of 3000 bs. per sq. Inch (20.04)     1     1       3.10     Code -114     Providing & Loying reinforced cement concrete with<br>using crusted graded boulders 3/4" (19mm) and<br>down gouge howing a minimum winds cube<br>crusting steergin of 3000 bs. per sq. Inch (20.04)     1     1       1     and character steer steered steered steered steered steered<br>composition of as official steered by the Engineer.     1     1       1     Bit of Cyrindrical Steering 124     In archive Engineer.     1     100 Cft     45.586.77     1       1     Item # 56+136     Ground Floor     2876 Cft     100 Cft     45.586.77     1       1     Item # 56+136     Ground Floor     Statu (1100 Cft     45.386.77     1       3.11     Code -114     Providing and laying hord grade fibbed deformed<br>(minimum yield point 60.000 pi or 414 Moo)<br>reinforcement boos with & Including the cost of<br>straightening. cubing steeling with Sinding weightee, cost of<br>chais and with sole. In adia indexing, standard,<br>specifications and sole fibre and starwing the adia steel fibre<br>decording to be bar end and proceed to ybe fibre<br>decording to be adia schedie to proved<br>traightening. cubing steeling schedie proved<br>traightening. cubing schedie deformed<br>(minimum yield point 60.000 pi or 414 Moo)<br>reinforcement boos with, adia in dawin   | PWD Schedule   | nedule   |                | Unit<br>(Sch. Rate) | Package-2 |                |
|---|----------------|--|----------------|---------------------|-----------|----------------|
| 3.10       Code-114       Providing & Laying reinforced coment concrete with down gouge having or minimum works cube crushing strength of 300 lbs. per sq. heb (26.9 km) and come crushing strength of 300 lbs. per sq. heb (26.9 km) and cube crushing strength of 300 lbs. per sq. heb (26.9 km) and cube crushing strength of 300 lbs. per sq. heb (26.9 km) and cube crushing strength of 300 lbs. per sq. heb (26.9 km) and cube crushing strength of 300 lbs. per sq. heb (26.9 km) and cube crushing strength of a crushed crushing strength or etc. complete h all respects as per drawing strength of 100 Cft       45,586.77       1         Item # 56+136       Ground Roor       2876 Cft       100 Cft       45,586.77       1         Item # 56+136       Ground Roor       5540 Cft       100 Cft       48,378.23       2         Item # 56+136       Second Rioor       5540 Cft       100 Cft       52,819.41         3.11       Code-114       Providing and laying hard grade fibbed deformed (minimum yield point 60.00 pai or 414 Mpo) reinforcement bars with & including the cost of strengthering, cutting, bending, without whe cost of child cons for future externation.etc. complete in all individe prepared by he contractor and approved by the Engineer in Council points in the drawing, stondard: specifications and write etc. in all kinds of RCC work in fourtable, breaked approved by the Engineer in the drawing, stondard; specifications and write etc. in all kinds of RCC work in fourtable, breaking breaking breaked by the Engineer in Council points in t | S NO           | Description  | Qty            |                     |           | Amount<br>(RS) |
| Jien # 166         Ground Roym         Groyman         Groyman         Gr   |                |  | 4              |                     | 11        | 12             |
| Item # 56+136         Ground Floor         2876 Ctft         100 Ctft         45,586.77         1           Item # 56+136+92         First Floor         5540 Ctft         100 Ctft         48,398.23         2           Item # 56+136+         Second Floor         5540 Ctft         100 Ctft         48,398.23         2           Item # 56+136+         Second Floor         5540 Ctft         100 Ctft         50,608.82         2           Item # 56+136+         Second Floor         5540 Ctft         100 Ctft         52,819.41         3.11         Code -114         Providing and laying hard grade ribbed deformed finding, binding, wastage, and such averdage as are not shown in the drawings, placing in position on cement concrete 12.24 precast or Ms. chairs, lying with binding wire, cost of chairs and wires etc. in all kinds of RCC work in foundation, basement, plinth and ground floor of building including schedule prepared by the contractor and paroved by the Engineer.         Kg         282.45         44           Item # 166         Ground Floor         15315 Kg         Kg         281.41         100 ctft         548.89         9           Item # 166         Ground Floor         15315 Kg         Kg         282.45         44           Item # 166         Ground Floor         15315 Kg         Kg         291.33         12           166+1724+175         Second Floor  | 3.10 Code -114 | using crushed graded boulders 3/4" (19mm) and<br>down gauge having a minimum works cube<br>crushing strength of <b>3000 lbs. per sq. inch</b> (20.69<br>N/mm2 at 28 days) with a mix not leaner than <b>1:2:4</b><br>in ordinary <b>slab 5 inches (127 mm) to 6 inches</b> (152<br>mm) thick including formwork & its removal<br>compacting & curing etc. but excluding the cost of<br>reinforcement in basement plinth & ground floor etc.<br>complete in all respects as per drawings standards<br>specifications and as directed by the Engineer.<br>Slab i/c projections   |                |                     |           |                |
| Item # 56+136+92     First Floor     5540 Cft     100 Cft     48,398,23     2       Item # 56+136+92     First Floor     5540 Cft     100 Cft     48,398,23     2       Item # 56+136+     Second Floor     5540 Cft     100 Cft     50,608,82     2       Item # 56+136+     Providing and laving hard grade ribbed deformed (minimum yield point 60,000 pi or 414 Mpo) reinforcement bars with & including the cost of straightening, cutting, bending, binding, watage, and such overlaps as are not shown in the drawings, placing in position on cement concrete 12:4 precast or Ms. chair, tying with binding wite, cost of chairs and wire setc. in all kinds of RCC work in foundation, basement, plinth and ground floor of building including schedule prepared by the Engineer.     Item # 166       Item # 166     Ground Floor     15315 Kg     Kg     282.45       Item # 166+174+175     First Floor     34016 kg     Kg     291.33       166+174+175     Roof     43408 kg     Kg     291.33     12       Total Carried to Collection   |                |  |                |                     |           |                |
| Item # 56+136+       Second Floor       5540 Cft       100 Cft       50,608.82       2         Item # 56+136+       22+93+93       Roof       419 Cft       100 Cft       52,819.41         3.11       Code -114       Providing and laying hard grade ribbed deformed (minimum yield point 60,000 psi or 414 Mpo) reinforcement bars with & including the cost of straightening, cutting, bending, binding, wastage, and such overtaps as are not shown in the drawings, placing in position on cement concrete 12:4 precast or Ks. choirs, bring with binding wise, cost of chairs and wires etc., in all kinds of RCC work in foundation, basement, plinth and ground floor of building including specifications and as directed by the Engineer.       Ison to be cut and placed in position of any level according to the Bro placed in position of any level according to the Bro placed in position of any level according to the Bro placed in position of any level according to the Bro placed in position of any level according to the Bar bending schedule prepared by the Engineer).       Item # 166         Item # 166       Ground Floor       15315 Kg       Kg       286.89       9         Item # 166+174       First Floor       34016 Kg       Kg       291.33       12         Item # 166+174       First Floor       43808 Kg       Kg       291.33       12         Item # 166+174       First Floor       580 Floor       581 Kg       295.77       1         Item # 166+174       First Floor       580 Floor       581 Kg   | Item # 56+136  | Ground Floor   | 2876 Cft       | 100 Cft             | 45,586.77 | 1,311,076      |
| 92+93     Second Floor     5540 Cft     100 Cft     50,608.82     2       Item # 54+136+<br>92+93+93     Roof     419 Cft     100 Cft     52,819.41       3.11     Code -114     Providing and laying hard grade ribbed deformed<br>(minimum yield point 60,000 psi or 414 Mpo)<br>straightening, cutting, bending, binding, wastage,<br>and such overlaps as are not shown in the drawings,<br>placing in position on cement concrete 1:2:4<br>precast or Ms, chairs, hying with binding wire, cost of<br>chairs and wires etc. in all kinds of RCC work in<br>foundation, basement, plinth and ground floor of<br>building including septic tanks and under ground<br>tanks and in projections for future extension.etc.<br>complete in all respects as per drawing, standard,<br>specifications and a directed by the Engineer.<br>(Bars to be cut and placed in position of any level<br>according to the Bar bending schedule prepared by<br>the contractor and approved by the Engineer).     Kg     282.45     4       Item # 166     Ground Floor     15315 Kg     Kg     286.89     9       166+174+175     First Floor     43408 Kg     Kg     295.77     1       Total Carried to Collection       Second Floor       Total Carried to Collection       Solution 53       Collection   |                | First Floor  | 5540 Cft       | 100 Cft             | 48,398.23 | 2,681,262      |
| 92+93+93       Roof       419 Cft       100 Cft       52,819,41         3.11       Code -114       Providing and laying hard grade ribbed deformed (minimum yield point 60,000 psi or 414 Mpd) reinforcement bars with & including the cost of straightening, cutting, bending, binding, wastage, and such overlaps as are not shown in the drawings, placing in position on cement concrete 1:2:4 precast or Ms. chairs, tying with binding wire, cost of chairs and wires etc. in all kinds of RCC work in foundation, basement, plinth and ground floor of building including septic tanks and under ground tanks and in projections for future extension.etc. complete in all respects as per drawing, standard . specifications and as directed by the Engineer.       (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).       15315 Kg       Kg       282.45       4         Item # 166       Ground Floor       15315 Kg       Kg       286.89       9         Item # 166       Ground Floor       43408 Kg       Kg       291.33       12         Item # 166+174       First Floor       43408 Kg       Kg       295.77       1         Item # 166       Roof       6287 Kg       Kg       295.77       1         Item # 166+174+175       Roof       6287 Kg       Kg       295.77       1         Item # 166+174       Roof       Collection       35       4       4         Itef  |                | Second Floor   | 5540 Cft       | 100 Cft             | 50,608.82 | 2,803,729      |
| Item # 166       Ground Floor       15315 Kg       Kg       282.45       44         Item # 166+174       First Floor       34016 Kg       Kg       291.33       12         Item # 166+174+175       First Floor       43408 Kg       Kg       291.33       12         Item # 166+174+175       First Floor       43408 Kg       Kg       291.33       12         Item # 166+174+175       Roof       6287 Kg       Kg       295.77       1         Item # 166+174+175       Roof       6287 Kg       Kg       295.77       1         Item # 166+174+175       Roof       6287 Kg       Kg       295.77       1         Item # 166+174+175       Roof       6287 Kg       Kg       295.77       1  |                | Roof   | 419 Cft        | 100 Cft             | 52,819.41 | 221,313        |
| Item # 166+174         First Floor         34016 Kg         Kg         286.89         9           166+174+175         Second Floor         43408 Kg         Kg         291.33         12           166+174+175         Second Floor         43408 Kg         Kg         295.77         1           Total Carried to Collection           Second Floor         43408 Kg         Kg         295.77         1           Collection         Second Floor         35         35         36           166+174+175         Roof         Collection         35         36         36           166+174+175         Page No -7         A         A         A         4         4           166+174+175         Roof         Collection         35         35         35         35           166+174+175         Page No -7         A         A         4         4         4           166+174+175         Roof         A         A         4         4         4         4           166+174+175         Roof         A         4         4         4         4         4           166+174+175         Roof         A         4         4         4   | 3.11 Code -114 | (minimum yield point 60,000 psi or 414 Mpa)<br>reinforcement bars with & including the cost of<br>straightening, cutting, bending, binding, wastage,<br>and such overlaps as are not shown in the drawings,<br>placing in position on cement concrete 1:2:4<br>precast or Ms. chairs, tying with binding wire, cost of<br>chairs and wires etc. in all kinds of RCC work in<br>foundation, basement, plinth and ground floor of<br>building including septic tanks and under ground<br>tanks and in projections for future extension.etc.<br>complete in all respects as per drawing, standard,<br>specifications and as directed by the Engineer.<br>(Bars to be cut and placed in position at any level<br>according to the Bar bending schedule prepared by |                |                     |           |                |
| Item #         Second Floor         43408 Kg         Kg         291.33         12           166+174+175         Roof         6287 Kg         Kg         295.77         1           Total Carried to Collection         35           Collection         9  | Item # 166     | Ground Floor   | 15315 Kg       | Kg                  | 282.45    | 4,325,722      |
| 166+174+175<br>166+174+175<br>+175       Second Floor       43408 Kg       Kg       291.33       12         166+174+175<br>+175       Roof       6287 Kg       Kg       295.77       1         Total Carried to Collection         Second Floor         Online"         166+174+175<br>+175       Roof       Collection       35         Collection         Online"       1         Page No -7<br>Page No -8       Page No -8       6   |                | First Floor  | 34016 Kg       | Kg                  | 286.89    | 9,758,850      |
| +175         Roof         6287 Kg         Kg         295.77         1           Total Carried to Collection         35           Collection         Page No -7         Page No -7         A   | 166+174+175    | Second Floor   | 43408 Kg       | Kg                  | 291.33    | 12,646,053     |
| COLLECTION       Page No -7       Page No -8  |                | Roof   | <u>6287 Kg</u> | Kg                  | 295.77    | 1,859,506      |
| Page No -7         4           Page No -8         6   |                | Total Carried to Collection  |                |                     |           | 35,676,720     |
| Page No -8  |                | COLLECTION   |                |                     |           |                |
|   |                | Page No -7   |                |                     |           | 4,159,203      |
| Page No -9  |                | Page No -8   |                |                     |           | 6,408,342      |
|   |                | Page No -9   |                |                     |           | 805,682        |
| Total from this Page 35   |                | Total from this Page   |                |                     |           | 35,676,720     |
| Total Carried to Summary     47   |                | Total Carried to Summary   |                |                     |           | 47,049,947     |

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### CORRIGENDUM No.2 (Attachement)

### Development of Sindh Madressatul Islam University Campus At Education City, Karachi BILL OF QUANTITIES

Student Hostel Female (Civil Works)

|      |   | Package-2       |
|------|---|-----------------|
| S.No | Description   | Amount<br>(Rs.) |
| Α    | SCHEDULE ITEM   | (13.)           |
| 1    | EARTH WORKS   | -               |
| 2    | SUB STRUCTURE   | 1,295,359       |
| 3    | SUPER STRUCTURE   | 23,419,604      |
| 4    | MASONRY WORKS   | 9,457,513       |
| 5    | THERMAL & MOISTURE PROTECTION   | 957,677         |
| 6    | METAL WORKS   | 10,437,726      |
| 7    | wood works  | 7,799,872       |
| 8    | FLOOR FINISHES  | 11,700,667      |
| 9    | WALL FINISHES   | 15,674,890      |
| 10   | CEILING FINISHES  | 2,788,868       |
| 11   | external finishes (building)  | 14,242,019      |
| 12   | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                    | 194,065         |
|      | <b>Total of Schedule Items - A</b><br>Premium on Items of PWD Schedule-2022 | 97,968,260      |
|      | Total of Schedule Items - A   |                 |
| В    | NON-SCHEDULE ITEM   |                 |
| 1    | EARTH WORKS   |                 |
|      | SUB STRUCTURE   |                 |
|      | SUPER STRUCTURE   |                 |
| 4    |   |                 |
| 5    | THERMAL & MOISTURE PROTECTION<br>METAL WORKS                                |                 |
| 7    | WOOD WORKS  |                 |
| 8    | FLOOR FINISHES  |                 |
| 9    | WALL FINISHES   |                 |
| 10   | CEILING FINISHES  |                 |
| 11   | external finishes (building)  |                 |
| 12   | EXTERNAL FINISHES OTHER THAN BUILDING (NON COVERED AREA)                    |                 |
|      | Total of Non-Schedule Items - B   |                 |
|      | TOTAL CARRIED TO GRAND SUMMARY (A+B)  |                 |

### Development of Sindh Madressatul Islam University Campus At Education City, Karachi

BILL OF QUANTITIES

CORRIGENDUM No.2 (Attachement)

Student Hostel Female (Structure Works)

|          | PWD Schedule                |  |       | Unit<br>(Sch. Rate) | Package-2    |                |
|----------|-----------------------------|--|-------|---------------------|--------------|----------------|
| S.No     | 2022 Ref.No                 | Description  | Qty   |                     | Rate<br>(RS) | Amount<br>(RS) |
| 1<br>2.8 | 2<br>Code -114              | <b>3</b><br>Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>3000 lbs. per sq. inch</b><br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than <b>1:2:4</b> in foundation or bottom slab of<br>rectangular underground water tank or septic tank<br>including form work and its removal, compacting<br>and curing etc. but excluding the cost of<br>reinforcement, th foundation basement and<br>plinth.etc. complete in all respects as per drawing,<br>standard , specifications and as directed by the<br>Engineer.          | 4     |                     | 6            | 7 = 4 x 6      |
| 2.8      | ltem # 99+136<br>Code -114  | UGWTank Bottom Slab<br>(Cylindrical Strength 2500 Psi)<br>Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per sq. inch<br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than 1:2:4 in top slab of rectangular underground<br>water tank or septic tank including form work and its<br>removal, compacting and curing etc. but<br>excluding the cost of reinforcement, foundation<br>basement and plinth.etc. complete in all respects<br>as per drawing, standard , specifications and as<br>directed by the Engineer. | 0 Cft | 100 Cft             | 31,431.41    | -              |
| 2.9      | Item # 104+136<br>Code -114 | UGWTank Top Slab<br>(Cylindrical Strength 2500 Psi)<br>Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of 3000 lbs. per sq. inch<br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than 1:2:4 in walls of rectangular underground<br>water tank or septic tank including form work and its<br>removal, compacting and curing etc. but<br>excluding the cost of reinforcement, th foundation<br>basement and plinth.etc. complete in all respects<br>as per drawing, standard , specifications and as<br>directed by the Engineer.    | 0 Cft | 100 Cft             | 46,752.23    | -              |
|          | Item # 101+136              | UGWTank Walls<br>(Cylindrical Strength 2500 Psi)   | 0 Cft | 100 Cft             | 54,533.03    | -              |

EA Consulting (Pvt) Ltd.

### Development of Sindh Madressatul Islam University Campus At Education City, Karachi BILL OF QUANTITIES

Student Hostel Female (Structure Works)

|      | PWD Schedule<br>2022 Ref.No                    | Description   | Qty      | Unit<br>(Sch. Rate) | Package-2    |                |
|------|--|---|----------|---------------------|--------------|----------------|
| S.No |  |   |          |                     | Rate<br>(RS) | Amount<br>(RS) |
| 1    | 2  | 3   | 4        |                     | 6            | 7 = 4 x 6      |
| 3.8  | Code -114                                      | Providing and laying reinforced cement concrete<br>with using crushed graded boulders 3/4" inch (19<br>mm) and down gauge having a minimum works<br>cube crushing strength of <b>3000 lbs. per sq. inch</b><br>(20.69 N /mm 2 at 28 days) with a mix not leaner<br>than <b>1:2:4</b> in roof slab of over head water tank up to<br>a height of 30 feet (9 m) above ground including<br>form works and its removal, compacting and curing<br>etc. complete but excluding the cost of<br>reinforcement.etc. complete in all respects as per<br>drawing, standard , specifications and as directed<br>by the Engineer.   |          |                     |              |                |
| 3.9  | Item #<br>118+136+(127x3),<br>Code -114        | OH Water Tank Top Slab<br>(Cylindrical Strength 2500 Psi)<br>Providing and laying hard grade ribbed deformed<br>(minimum yield point 60,000 psi or 414 Mpa)<br>reinforcement bars with & including the cost of<br>straightening, cutting, bending, binding, wastage,<br>and such overlaps as are not shown in the drawings,<br>placing in position on cement concrete 1:2:4<br>precast or Ms. chairs, tying with binding wire, cost of<br>chairs and wires etc. in all kinds of RCC work in<br>foundation, basement, plinth and ground floor of<br>building including septic tanks and under ground<br>tanks and in projections for future extension.etc.<br>complete in all respects as per drawing, standard,<br>specifications and as directed by the Engineer.<br>(Bars to be cut and placed in position at any level<br>according to the Bar bending schedule prepared<br>by the contractor and approved by the Engineer). | 116 Cft  | 100 Cft             | 59,662.68    | 69,209         |
|      | ltem # 166                                     | Ground Floor  | 3250 Kg  | Kg                  | 282.45       | 917,963        |
|      | Item # 166+174                                 | First Floor   | 3250 Kg  | Kg                  | 286.89       | 932,393        |
|      | Item #<br>166+174+175<br>Item #<br>166+174+175 | Second Floor  | 43408 Kg | Kg                  | 291.33       | 12,646,053     |
|      | +175   | Roof  | 6287 Kg  | Kg                  | 295.77       | 1,859,506      |
|      |  | Total Carried to Collection   |          |                     |              | 16,425,124     |
|      |  |   |          |                     |              |                |
|      |  | COLLECTION  |          |                     |              |                |
|      |  | Page No -7  |          |                     |              | 1,438,324      |
|      |  | Page No -8  |          |                     |              | 5,080,705      |
|      |  | Page No -9  |          |                     |              | 475,451        |
|      |  | Total from this Page  |          |                     |              | 16,425,124     |
|      |  |   |          |                     |              |                |
|      |  | Total Carried to Summary  |          |                     |              | 23,419,604     |