



Our Ref no: Q24/P/12/40/539

Date: 24th December 2024

University of Peradeniya
Galaha Road,
Peradeniya.

Dear Sir,

Re: Quotation for Crack Repair, Sealant Works & Waterproofing works of Slab area for Faculty of Engineering university of Peradeniya.

We thank you for inviting us to submit our quotation for above work & take pleasure in submitting our offer along with pricing for your kind consideration.

TERMS & CONDITIONS

1.0 General

- 1.1 All prices quoted are valid for 7 days from today.
- 1.2 Prices quoted were computed for the entire scope of works and in the event of a reduction of the scope in excess of 10% of the total amount, prices quoted would no longer be valid and need to be revised.
- 1.3 Prices quoted are on the basis that the following services would be made available at no cost to us.
 - * Make available at site secured storage space for our materials and tools.
 - * Provide Potable water for cleaning, mixing chemicals & pond testing.
 - * Provide an electricity facilities if necessary.
 - * Secured & set up scaffoldings for required height with work platforms where necessary.
- 1.4 The inspection has been carried out superficially and is based on the information supplied by the client/ Clients representative/Architect/engineer/Main Contractor.
- 1.5 If any defects in the process of surface preparation, that would be unfavorable to the performance of our works. It will be brought to your immediate attention for written approvals prior to commencement, whether or not, extra costs would be incurred.
- 1.6 Detailed data sheets of the products proposed to be used have been enclosed for your perusal.

2.0 Warranty (10 years warranty for cover slab waterproofing application only)

- 2.1 Our 10 years warranty would be subject to the following conditions.
 - * Receipt of all dues.
 - * The Client agreeing to the waterproofing being done in the manner specified by the Company.





- * Our warranty covers the areas waterproofed by us and the waterproofing materials used by us and the skill with which they have been applied and in the unlikely event of a leak in any of the areas, waterproofed by us during the said period we agree to rectify same at our cost. Our warranty is invalid in the event of a structural failure or a structural defect.
- * Our warranty is also invalid in the event of damages to the waterproofing during the process of installing other services such as Water, Sewerage, Electricity, Supply, Air Conditioning etc.,
- * Our warranty does not include liability for consequential damages and incidental expenses resulting from a breach of these written warranties or implied warranties.

3.0 **Methodology and cost Breakdown**

PLEASE REFER THE PRICED BOQ ANNEXED

4.0 **Payment Terms**

An advance of 50% of the total sum must be paid to commence the work and balance will be as the work progress. Final settlement will be immediately after the completion of work on measure and pay basis.

We look forward to receive your valued award and remain assuring you of our best attention at all times.

Yours faithfully,

MEGAKEM ENGINEERING (PRIVATE) LIMITED

Manjula Kalubowila
Chief Operating Officer





BILL OF QUANTITIES

Re: Quotation for Crack Repair, Sealant Works & Waterproofing works of Slab area for Faculty of Engineering university of Peradeniya.

| Item No | Description | Unit | Quantity | Rate | Amount |
|---------|--|-----------|----------|---------------------------|------------------|
| *** | Provide storage facilities for our material and equipments.(to be arranged by main contractor at no cost to us) | | | <i>By main contractor</i> | |
| *** | Arrange necessary working place. | | | <i>By main contractor</i> | |
| *** | Set up scaffoldings & working plat forms, safety net,etc. (if any) | | | <i>By main contractor</i> | |
| *** | Prop up beams using jacks for adequate strength as per the structural engineer's advice. | | | <i>By main contractor</i> | |
| *** | Barricade the site premises as per the requirement. | | | <i>By main contractor</i> | |
| 1.0 | <u>Sealing the Expansion joint in Slab with two part polysulphide joint sealant Conflex PS.(Size of groove 15mm x 10mm) & Waterproofing of Slab with Megalastic Super 540 - two part flexible acrylic modified cementitious waterproofing coating.</u> | | | | |
| 1.1 | Remove the existing flashing, electrical lines, and floor screed, expose the sound concrete, and Clean the existing surface to be free from dust, cement laitance, grout deposits, etc..(to be carried out by main contractor at no cost to us). | | | <i>By main contractor</i> | |
| 1.2 | Clear & form a groove size of 15mm x 10mm. (width x depth) | | | <i>By Megakem</i> | |
| 1.3 | Repair uneven edges with high-strength, non-shrink grout Congrout GP (if any). | 25 kg bag | 1.00 | 7,950.00 | <i>Rate Only</i> |
| 1.4 | Place masking tape along either side of joint as per the requirement. | | | <i>By Megakem</i> | |
| 1.5 | Insert Backer Rod (20mm) to control the specified depth. | | | <i>By Megakem</i> | |
| 1.6 | Clean the surface of the joint & apply polysulphide primer/Conflex Primers on both surfaces of the joint & allow to cure. | | | <i>By Megakem</i> | |
| 1.7 | Seal the expansion joint with two part polysulphide sealant Conflex PS strictly according to Manufacturer's specifications & allow cure for 7 days.(Initial setting time 24 hours,final curing time 7 days). | | | <i>By Megakem</i> | |





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| Item No | Description | Unit | Quantity | Rate | Amount |
|---------|--|------|----------|---------------------------|------------|
| 1.8 | Remove the masking tape and clean the area. | | | | |
| 1.9 | Place a 15mm thick polystyrene board along the joints and construct a new concrete curb (100mm x 50mm) using the necessary dowel bars along the joint as per the requirement.(to be carried out by main contractor at no cost to us). | | | <i>By main contractor</i> | |
| 1.10 | Form 1:3 cement/sand 25mm x 25mm angle fillets on both sides of the concrete curb and allow to cure. (to be carried out by main contractor at no cost to us). | | | <i>By main contractor</i> | |
| 1.11 | Apply 2 coats of Megalastic Super 540 two part flexible acrylic modified cementitious waterproofing coating strictly on total floor area according to Manufacturer's specifications.Reinforce all vertical/ Horizontal inter section with Elastoclothe in a strip 150mm width. | Sqm | 247.00 | 2,550.00 | 629,850.00 |
| 1.12 | Take out the top part of polystyrene board up to the required depth and Seal the top of the joint with two part polysulphide sealant Conflex PS strictly according to Manufacturer's specifications & allow cure for 7 days.(Initial setting time 24 hours,final curing time 7 days). (Size of groove 15mm x 10mm) (Approximate quantity will be charged on actual measurement at site). | | | <i>By Megakem</i> | |
| * | Expansion Joint No.01 | Lm | 5.00 | 6,950.00 | 34,750.00 |
| * | Expansion Joint No.02 | Lm | 5.00 | 6,950.00 | 34,750.00 |
| * | Expansion Joint No.03 | Lm | 5.00 | 6,950.00 | 34,750.00 |
| 1.13 | Remove the masking tape and clean the area. | | | | |
| 1.14 | Cure the application for 3 days. | | | | |
| 1.15 | Protect the waterproofed area with 1:3 cement/sand screed.(to be carried out by the main contractor at no cost to us.) | | | <i>By main contractor</i> | |
| 1.16 | Cover the sealant area using Zn/Al flashing as per the requirement..(to be carried out by the main contractor at no cost to us.) | | | <i>By main contractor</i> | |
| 1.17 | Final finishes. (to be carried out by the main contractor at no cost to us.) | | | <i>By main contractor</i> | |





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| Item No | Description | Unit | Quantity | Rate | Amount |
|---------|--|------|----------|---------------------------|------------|
| 2.0 | <u>Repair Weak concrete Soffit & Beams with high strength non-shrink repair mortar CORMIX Conpatch 600</u> | | | | |
| 2.1 | Repair cracks in the soffit with two component Low viscosity injectable high strength epoxy resin Condur SC - Gravity method. | Lm | 30.00 | 8,250.00 | 247,500.00 |
| 2.2 | Carryout proper investigation to identify the weak areas of structural concrete. | | | <i>By megakem</i> | |
| 2.3 | Hack off weak concrete to expose sound concrete surface maintain at least 10mm beyond the reinforcements to enable the anti- corrosive treatment. | | | <i>By main contractor</i> | |
| 2.4 | Clean the existing reinforcement bar & remove if corroded lap weld new reinforcements & stirrups where necessary. <i>Please note that cleaned steel reinforcement shall be checked for loss of cross section area where the loss more than 20% it replaced with steel bars of the same size as per the structural engineer's advice .</i> If so civil contractor should carry out this part. | | | <i>By main contractor</i> | |
| 2.5 | Using angle grinder prepare the perimeter of the repair area to be vertically cut shape at least 10mm depth. | | | <i>By main contractor</i> | |
| 2.6 | Apply corrosive resistant zinc primer Congard Zinc as per the manufacturer's specifications over the re- bars & allow to cure. | | | <i>By megakem</i> | |
| 2.7 | Clean & apply 2 coats of surface applied migrating corrosion inhibitor Conpatch NCI over the repaired area and allow to cure. | | | <i>By megakem</i> | |
| 2.8 | Saturate the existing surface with water & apply polymer modified bonding slurry " Cormix Latex " (mix with cement as a slurry proportion 1:1.5 of cement & Cormix Latex.) | | | <i>By megakem</i> | |





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| Item No | Description | Unit | Quantity | Rate | Amount |
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| 2.9 | Build up above area with high strength non-shrink polymer modified, fibre reinforced, structural repair mortar Conpatch 600 and finish evenly while bonding slurry is still wet. (Approximate quantity will be charged on actual consumption at the site) (Please note that cavities deeper than 25mm should be filled up in multi layers in order to prevent repair materials sagging) | | | <i>By megakem</i> | |
| * | Beam & Soffit area | 25 kg bag | 35.00 | 20,250.00 | 708,750.00 |
| 2.10 | Cure the grouted area with Concure 75 . | | | | |
| | Sub Total | | | | 1,690,350.00 |
| | VAT | 18% | | | 304,263.00 |
| | Total Amount | | | | 1,994,613.00 |

Our VAT Registration No: 174996407-7000

Hope our offer meets with your requirement and look forward to your valued order. Should you require any further clarification, please do not hesitate to contact the undersigned.
Assuring you of our best service at all times we remain.

Yours faithfully,

MEGAKEM ENGINEERING (PRIVATE) LIMITED

Manjula Kalubowila
Chief Operating Officer

Prepared By
Tharushi Gunawardhane
Quantity Surveyor

