

Indian School (Riffa Campus) Waterproofing Repair RFP

The Indian School
KINGDOM OF BAHRAIN
Estd. 1950



July. 2024



Technology Engineering
- Solar Consultant A Grade
Company in Bahrain
- Architects/ Structural and Electrical
Engineers

1. Introduction and tender schedule

1. Introduction

- Indian school (Riffa Campus) decided to do waterproofing repair work for concrete roof area (3,376 m²) and sandwich panel roof area (754 m²).
 - . RFP and work methods / warranty conditions / bidder prequalification can be referred in page 3~ 10.

2. Bidders are requested to follow the tender schedule below.

- Tender announcement (Indian school Website) : 11th.July
- Bidder's submission of tender participation confirmation by mail to consultants below : 14th.July
- Site survey : at 8 AM on 15th.July (Riffa campus of Indian school)
- Inquiry submission : by 22th.July to assigned consultant's mail id.
- Bid submission : at 2 PM on 25th.July (Indian school Isa Town Campus)
 - . Please submit enveloped bid to bid collection box kept in the conference room, 1st floor of admin block.

3. Repair work duration : 60 days after issuing PO from Indian school. (Mandatory period)

4. Any Bid clarifications can be contracted to assigned consultant below.

(1) Consultant : Technology Engineering

(2) Contact person 1 : Mr.Bibin

- Mob : 38325822

- Email : bibin@techengbh.com

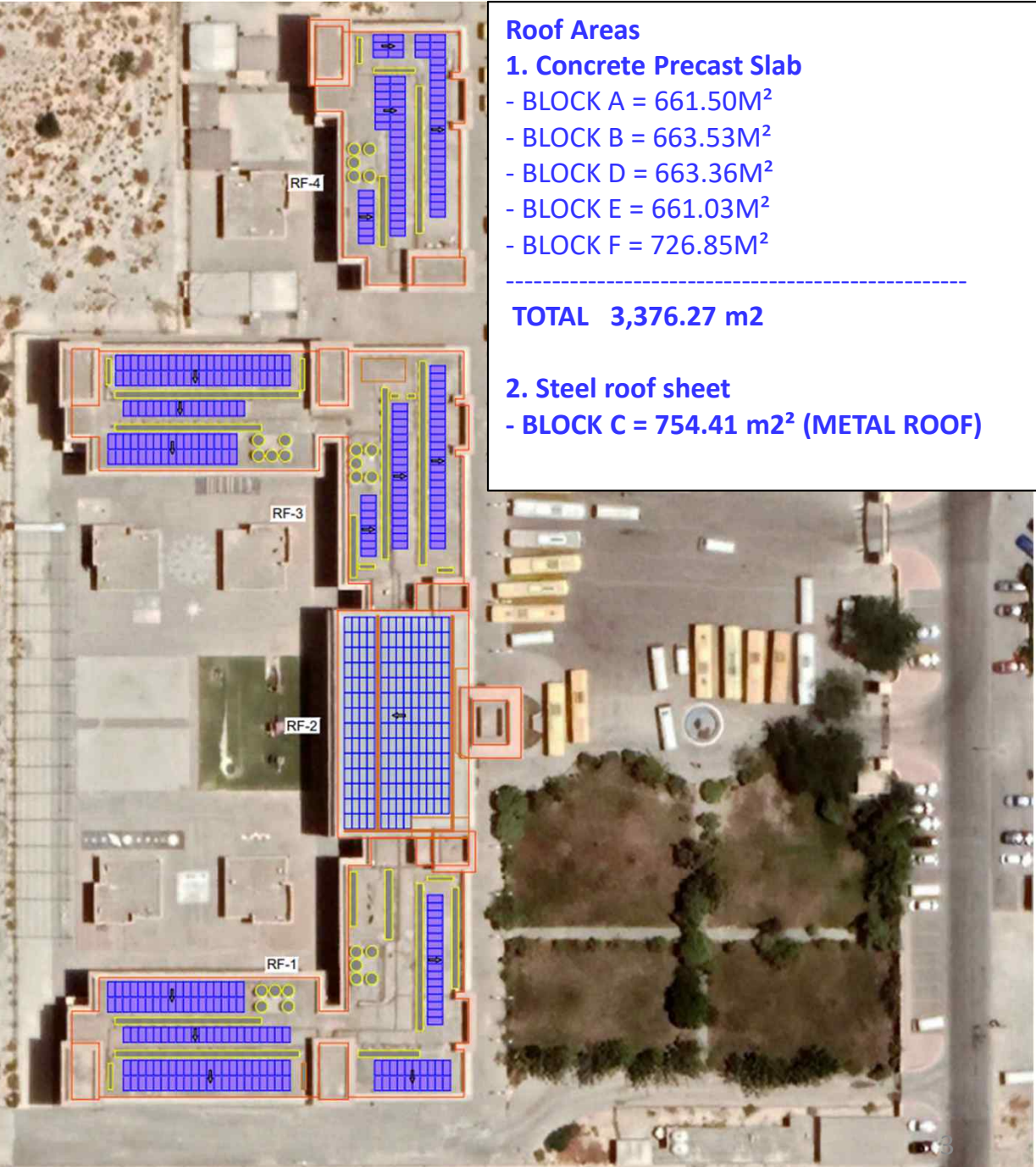
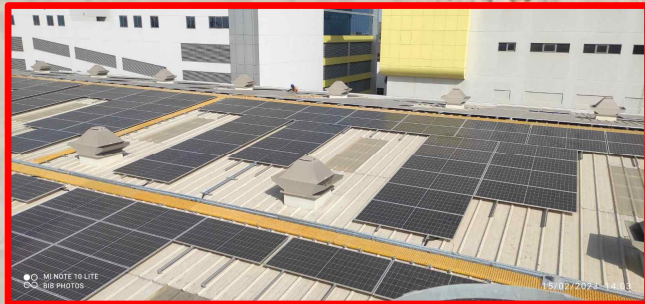
(3) Contact person 2 : Mr. James Kim

- Mob : 35668220

- Email : kimjh196@techengbh.com

2. Indian School (Riffa Campus) Layout

After Roof Repair,
Solar system will be installed with
Ballast type (concrete roof) / Railing
system (sandwich panel roof) without
damage on the roof surface
→ So, Waterproofing 10 year's
warranty shall be the scope of
waterproofing company.



Roof Areas

1. Concrete Precast Slab

- BLOCK A = 661.50M²
- BLOCK B = 663.53M²
- BLOCK D = 663.36M²
- BLOCK E = 661.03M²
- BLOCK F = 726.85M²

TOTAL 3,376.27 m²

2. Steel roof sheet

- BLOCK C = 754.41 m² (METAL ROOF)

3. Prequalification for bidders

1. Company establishment and Waterproofing experience more than 7 years
 - Company requires “W.L.L”
(49% foreign ownership + 51% Bahraini ownership or 100% Bahrain ownership)
 - with the activity “ other specialized construction activities”.
2. Project profiles for waterproofing projects are more than 10 projects.
3. Waterproofing repair work experiences of similar work methods.
 - bidder’s previous projects shall be inspected and evaluated by project consultant .
If the evaluation of bidder’s projects is not prequalified, the bidders can be disqualified.
4. The bidders who accepted the terms and conditions of article 7. Warranty can be qualified.

[Note]

The documents for no. 1 and no. 2 shall be submitted with the quotation.

The bidders shall submit the written acceptance of the terms and conditions of article 7. Warranty and Retention.

4. Quotation formats

Bidders shall submit the quotation with the formal below.
- Please refer to given excel format.

Zone	Roof Base	Area (m2)	Waterproofing repair		Utility disemble and assemble work (Cable tray / AC Units)		Gutter and drain hole repair on the sandwich panel roof		Total		Work schedule
			Unit rate (BD/m2)	Cost (BD)	Unit rate (BD/m2)	Cost (BD)	Unit rate (BD/m2)	Cost (BD)	Unit rate (BD/m2)	Cost (BD)	
A	Concrete slab	661.5					N/A	N/A			
B	Concrete slab	663.53					N/A	N/A			
D	Concrete slab	663.36					N/A	N/A			
E	Concrete slab	661.03					N/A	N/A			
F	Concrete slab	726.85					N/A	N/A			
	Sub Total (A,B,D,E,F,)										
C	Gutter line repair on the sandwich panel roof	754.41	N/A	N/A	N/A	N/A					
	Sub Total (C)										
	TOTAL : Sub Total (A,B,D,E,F) +Sub Total (C) + G										

- Note
1. Work schedule : Fill the quotation
 - (1) Normal working time : From 1 PM to night
 - (2) Hot weather season : Night work
 - (3) Weekend : All day
 2. Quotation : Please make quotation in yellow colored items.
 3. Work schedule : Please make the work schedule as the starting date is 1st.July
 4. Each bidder prepare the separate quotations of "waterproofing repair" and "Utility foundation disemble and Assemble work".
 - * If bidders have good method for cost saving and fast work of "Utility foundation disemble and Assemble work", please reflect it in the quotation and work method in the Option 2 quotation..
 5. Please submit "waterproofing method" together. --> refer to next excel sheet

5. Client's requirement (Precast slab area)



Client's requirement [1. Waterproofing Membrane]

1. Removal of "Old membrane" all area.
2. Screed partial repair on the level affected area / damaged area.
3. 4mm "new torch applied granular membrane sheet " 2 layers installation all area.
4. skirting 20 cm treatment
5. Water flood test shall be done.



Client's requirement [2. Drain holes]

1. After the roof slope is properly repaired and sloped to drain holes.
2. Existing Drain holes shall be repaired to make the proper level and water flow.
3. water membrane shall be terminated by drassing downwards to the inner circumference of the pipes

5. Client's requirement (Precast slab area)



Client's requirement [3. AC units and Cable trays]

1. AC units and Cable trays shall be lifted during water proofing work.
2. concrete base of AC unit and cable trays will not be removed.
 - concrete base shall be covered with new membrane sheet.
3. After waterproofing sheet, AC units and cable trays shall be replaced.
4. Any damages to utilities and pipes during lifting, Bidders shall replace them with new one .
5. AC functional test shall be executed after replacement.



Client's requirement [4. big concrete bases of watertanks and satellites]

1. Concrete bases are too big to be relocated.
2. After removal of watertanks and satellites by bidders, concrete base shall be covered with membrane sheet.
3. After waterproofing sheet, watertanks and satellites shall be replaced.
4. Any damages to utilities and pipes during lifting, Bidders shall replace them with new one .

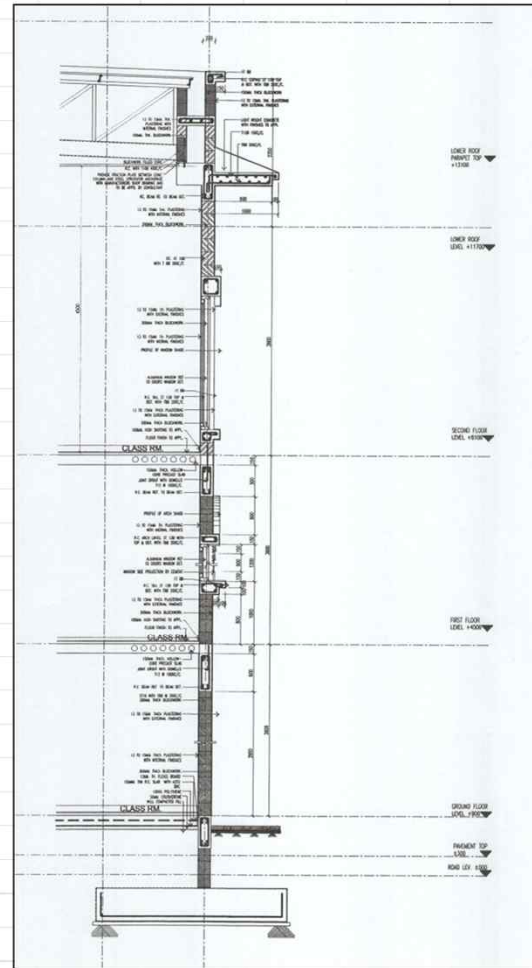
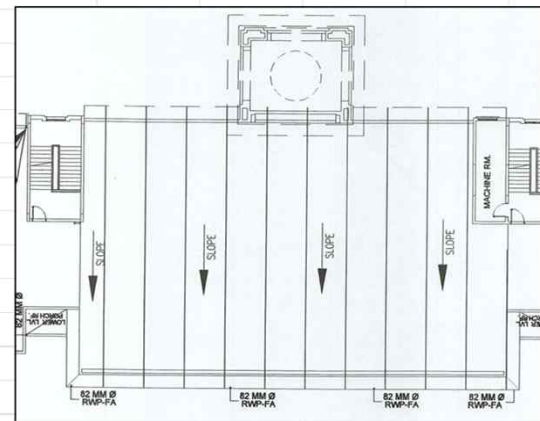
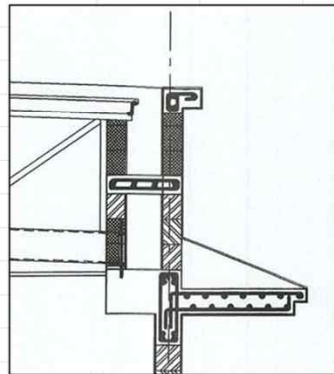
5. Client's requirement (Gutter line repair on the sandwich panel roof)



Client's requirement [5. Sandwich panel Roof Gutter line repair]

1. Scaffolding shall be installed to make the additional drainpipes.
2. Drainholes on the Gutter shall be installed with connected drain pipes.
3. Additional Drain pipes(3 more drains) are required and shall be covered with outdoor type's drywalls with paints.
4. The liquid membrane will be applied one metre above from the gutter line monolithically once after the gap between sheet and gutter line is closed with foam and grp lamination is applied.
(The bidder does not make the waterproofing repair on the sandwich panel area.)
5. The contractor takes 10 years warranty for the gutter repair .

For the items 1 ~5 , Bidders shall provide the detail shopdrawings by licensed contractor or consultant.



6. Bidder's proposal

Waterproofing Repair Methods

** Bidders shall describe the detail work methods in this format.*

1. Waterproofing on Precast Slab

(1) Waterproofing repair method

(2) Drain hole repair

(3) Screed layer level check and repair

(4) Utility (AC Units / Cable tray) disassemble and assemble work

* If bidders have good method for cost saving and fast work of "Utility foundation disassemble and Assemble work" , please reflect it in the quotation and work method.

2. Waterproofing on sandwich panel roof

(1) Gutter

(2) Drain Hole

(3) Sandwich panel

(4) Others

7. Warranty requirements

1. The Contractor shall provide the all the following insurance coverages.
 - The same amount of the contract under Contractors All Risk Insurance + TPL
 - 10 year's warranty bond (The same amount of the contract) for any repair work
2. One year of workmanship warranty also to be provided.
3. The contract should include all the conditions including annual maintenance for 3 years without any additional cost.