

ANNEXURE-1: BOQ for Re-RFP for Roofing Work at Library NLSIU				
No.	Description	Unit	Quantity	Comments
1	Leakage at Ground Floor			
1.a	Existing Puff sheet removing work: Existing puff sheet removing and side concrete chipping work, Including the cost of all debris and sheet shifting work, labour etc., complete.	sqft	808	Same quantity as per RFP
1.b	Fabrication: Fabrication used MS section (125mm *63mm * 3mm) and purlins (50mm*50mm*2.5mm) including the cost of all materials, labour etc., complete.	kg	1020	Same quantity as per
1.c	Puff sheet fixing: Providing and fixing of 60 mm puff insulated thermal roofing, using 150mm*6.5mm HP screw for fixing of new panel including the cost of all materials, labour etc., complete.	sqft	890	Same quantity as BOQ
1.d	Cladding work: Using ACP Sheet cladding work, Z flashing is commonly used in horizontal siding installations, where the bottom edge of the siding meets a brick, stone, or stucco base. This creates a smooth transition from one material to another and establishes a barrier that prevents water infiltration behind the building's facework.	sqft	223	Same quantity as BOQ
2	ACP Portal Leakage			
2.a	ACP sheet removing work: Existing Roof ACP sheet, Front and side Cladding ACP sheet removing and shifting work, labour etc., complete.	sqft	1710	Same as item 1.a mentioned in RFP. Quantity got added.
2.b	Fabrication: Roof Fabrication used MS section (125mm*63mm*3mm)and purlins (50mm*50mm*2.5mm) with combination of , Including the cost of all materials,labour etc., complete.	Kgs	1450	Same specification as item 1.b. mention in RFP. Quantity got added.
2.c	ACP Sheet: Providing and fixing ACP cladding of approved make including Aluminium framework at all levels and in approved shades including sealing joints with silicon sealant and provision of warranty all complete as directed. The metal cladding shall be done with 4 mm thick aluminium composite panel consisting of 0.5mm thick aluminium inner & outer skin and 3 mm thick LDPE based virgin core. The alloy of aluminium shall be 3105-H 24 grade conforming to BS: 1470. The top surface of panel shall be finished with minimum 30 microns PVDF coating (Polyvinylidene di fluoride) and coating shall conform to AAMA 2650 for exterior grade finish. The reverse side of the panel surface shall have polyester base	sqft	1950	1000 sqft considered in RFP. It was initially considered that the existing ACPs could be used but based on site visits from the vendors, it is not possible.

	coating to protect against possible corrosion. The panel shall be cut and bent in the profile as required at site. The panel with irregularities, waves, peel off area shall be sorted out and not put to use in the work. The profile cut shall be true in shape, straight, and smooth cut. The panel in profile shall be fixed to the M S sub structure framework.			
2.d	The panel joints of width of approximately 25 mm shall be filled with weather silicone sealant of texture approved by engineer in charge.	ft	5000	Captured in item 2.c
2.e	Cladding Work: Using ACP Sheet cladding work ,Z flashing is commonly used in horizontal siding installations, where the bottom edge of the siding meets a brick, stone, or stucco base. This creates a smooth transition from one material to another and establishes a barrier that prevents water infiltration behind the building's facework.	sqft	340	Item same as 2.c mentioned in BOQ. Quantity is added.
2.f	Gutter Fixing Work: Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge).	rft	90	Not part of initial BOQ.
2.g	Scaffolding Work: Providing and fixing scaffolding system (cup lock type) on the exterior side, made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc.	sqft	4750	Not part of initial BOQ.
2.h	Puff sheet Fixing : Providing and fixing of 60 mm puff insulated thermal roofing,using 150mm*6.5mm HP screw for fixing of new panel. Including the cost of all materials, labour etc., complete.	sqft	1950	Same as item 1.c if we want to consider puff sheet instead of ACP.