

**Annexure-1: Bill of Quantity (BOQ)**

RFP NO: NLSIU/RFP/2026-27/003

RFP Name: Civil and Other Misc. Repair Works in Hostels at NLSIU

SL.No	Item Description	Unit	Qty	Approx Rate	Amount	Remarks
1	<b>Demolition</b>					
	Dismantling existing cement concrete / screed / plaster on terrace till mother slab, including hacking, breaking, raking out joints where required, cleaning the surface, and disposal of dismantled material outside the premises with all leads and lifts, complete as per directions of the Project Manager.	lumsun	900	-	-	The vendor needs to remove existing screed, pedestals and existing pipelines if required to correct the slope of the terrace. No additional charges for shifting of debris from site.
2	<b>Water Proofing works</b>					
<b>Option -1</b>						
2.1	<b>Epoxy Injection Grouting</b>					
	Supplying and injecting low viscosity, solvent-free prepacked resin and hardener for structural repairs. System must be free-flowing after mixing with a mix viscosity of max 800 mpa at 25°C and a minimum compressive strength of 75 N/sq.mm. Injection to be done using electrically operated or compressed air-driven pumps at 3-4 Kg/sq.cm pressure.	Nozzle Per No	500	-	-	Reference:ASTM - 881 – 87, Type I, Grade I, Class B or C.
	<b>Recommended Product :</b>					
	<b>Dr. Fixit Epoxy Injection Grout</b> M/s Pidilite Industries Ltd.					
2.2	<b>Waterproof Plaster with Silica fumes &amp; Polypropylene fibres</b>					
	Providing and laying 20mm thick waterproof plaster with silica fumes and polypropylene fibers. Mix proportion 1:4 (cement:sand) by weight with a max W/C ratio of 0.45. Includes chloride-free integral waterproofing admixture, silica fumes at 5% by weight of cement, and polypropylene fibers at 125g per 50kg cement. Minimum curing: 14 days.	sqm	900	-	-	Reference:IS:2645-1975
	<b>Recommended Product and availability:</b>					
	<b>Dr. Fixit Pidiproof LW+</b> M/s. Pidilite Industries Ltd.					
<b>Option -2</b>						
2.1	Providing and applying a comprehensive waterproofing system for terrace in two parts, including all surface preparation, application, protection layers, and finishing, all complete as per manufacturer's specifications and as directed with a guarantee of 10 years. <b>Part 1 – Waterproofing Application:</b> Supply & application of 1 mm thick, single-component, solvent-free, elastomeric polyurethane (PU) liquid-applied waterproofing membrane like Davco K10 Elastocoat, Sika Sikalastic®, Fosroc Nitoproof PU, Dr. Fixit Roofseal PU, or Asian Paints SmartCare PU Membrane over terrace slab, Technical Requirements: Solids Content: ≥70% Elongation at break: ≥380% Tensile strength: ≥3 MPa Crack bridging capacity: ≥2 mm Thickness: 1 mm dry film thickness (applied in two coats) Surface preparation: cleaning, removal of dust, laitance, loose particles, grease, and debris. Filling cracks, honeycombs, and defects using polymer-modified mortar. Providing coving/fillets of 50 × 50 mm at wall-slab junctions. Application over horizontal slab and 300 mm upturn on vertical surfaces. Application in 2 coats @ 1.5 kg/sqm total. Curing, pond testing for 48 hrs, and protective screed over membrane as directed. Rate includes all materials, labor, tools, scaffolding, surface preparation, repairs, membrane application, coving/fillets, curing, pond testing, and protective screed. Measurement includes horizontal slab area + 300 mm vertical upturn.No extra measurement for overlaps, wastage, or junction detailing.	sqm	900	-	-	
3	<b>Elastomeric Sealant for Expansion Joints</b>					
	Providing and applying two-part polysulphide gun grade sealant for expansion joints. Sealant must have 100% solid content, density of 1.60 to 1.65 Kgs/litre, and a Movement Accommodation Factor (MAF) of 25%. Curing time of 7 days at 25°C.	rm	5	-	-	Reference: BS:6093-1981, Cl.6.2.2 & 6.2.6
	<b>Recommended Product :</b>					
	<b>Thioflex 600</b> M/s Fosroc Chemicals (India) Pvt Ltd.					
4	<b>Crack Repairs</b>					
<b>Option -1</b>						
	Supplying and applying two-component, solvent-free epoxy resin-based putty for structural repairs and protection. To be applied in sections of 1mm to 5mm thickness. Must achieve a minimum compressive strength of 50 N/sq.mm at 7 days.	sqm	636	-	-	Reference: BS 6319, Pt 2, 3, & 7
	<b>Recommended Product :</b>					
	<b>Nitocote VF</b> M/s. Fosroc Chemicals (India) Pvt. Ltd.					
<b>Option -2</b>						
	<b>Repairing of cracks</b> in wall by removing and chipping off loose/dilapidated plaster, widening the crack as required, and cleaning the surface. Providing and fixing G.I. chicken wire mesh of nominal size up to 20mm (24 gauge) over the crack area using G.I. nails and washers. Applying a bond coat with approved adhesive/slurry followed by filling and sealing the area with cement mortar 1:4 (1 cement : 4 coarse sand) to match the existing surface, including curing, disposal of debris within 150m lead, and providing necessary scaffolding at all heights, as per IS Codes, all complete as directed by the project Manager.	sqm	636	-	-	
5	<b>Pedestal Construction</b>					

	Providing and constructing pedestal in solid brick masonry in proper line and level with cement mortar 1:6, including necessary scaffolding, curing, and all lifts, complete with raking of joints and all labour, hire charges for tools and plants, and finishing the pedestal with cement plaster 1:4 of average thickness 12-15 mm on all exposed faces, with neat junction to RCC members, making good of gaps and slopes as directed, inclusive of manual lead and lift of materials and all incidental charges.	cum	30	-	-	
<b>6</b>	<b>Shifting Works</b>					
	Removing of exiting panels Shifting, re-fixing and commissioning of existing solar panels, solar hot-water tank, motor panel box, live water pipelines of various diameters and all associated accessories at terrace level above, including careful dismantling, marking, safe manual handling, all leads and lifts, protection of live lines without service interruption, provision of necessary supports, anchor fasteners, minor rerouting/adaptors as required, fixing in correct alignment and levels, reconnection of electrical and plumbing systems, testing for proper functioning, making good of disturbed surfaces, supply of consumables, tools and labour, complete in accordance with good engineering practice.	lumsun	2 Location	-	-	
<b>7</b>	<b>Fabrication Works</b>					
	Providing, fabricating, supplying and fixing Mild Steel (MS) support structure for solar panels comprising the following members: a) MS hollow sections 100 × 100 × 6 mm for vertical supports and main beams b) MS hollow sections 100 × 50 × 6 mm for purlins / solar panel mounting members All MS members shall be thoroughly cleaned and de-rusted, applied with two coats of zinc chromate primer, and finished with two coats of polyurethane (PU) paint of approved shade. The rate shall include all materials, labour, fabrication, transportation to site, erection, alignment, levelling, anchoring, fixing in position, painting, testing, and all incidental works required for the complete installation of the MS support system for solar panels, as per approved drawings, specifications, and instructions of the Project Manager.	mt	10	-	-	
<b>8</b>	<b>Painting</b>					
	Providing and applying 1 coats of fine putty, 1 coat of primer, 2 coats of apcolite premium emulsion satin antifungal of approved colour and shade to internal walls and ceiling after thoroughly sand papering surfaces to remove dust, dirt etc. and repairing dents, cracks, holes with POP to achieve level surface including cost of material, labour, scaffolding etc. all complete as directed by the Client . Rate to include application at all heights and levels, surfaces and textures.	sqm	2000	-	-	
<b>10</b>	<b>Epoxy Grout</b>					
	Cleaning, preparing, and applying epoxy grout to joints in existing vitrified tiles in the restroom area, including removal of old grout, surface cleaning, joint filling with approved epoxy grout (as per IS 15477), ensuring proper bonding, curing, and finishing to achieve a neat, waterresistant, and durable joint as per Instruction of Engineer In charge . Providing and applying epoxy-based grout of approved make and colour in tile / stone flooring joints, including cleaning of joints, removal of loose material, preparation of surface, mixing of epoxy grout as per manufacturer's specifications, filling joints completely, finishing flush with surface, removal of excess material, curing as required, and cleaning of finished surface, complete as per directions of the Engineer-in-Charge. The rate shall include all materials, labour, tools and tackles, and all incidental works necessary for the proper and satisfactory completion of epoxy grouting.	sqm	580	-	-	
<b>11</b>	<b>UPVC Windows</b>					
	Providing fabricating and installing 3 track UPVC sliding window with fixed ventailor on top made out of multichambered profile with a built in grooves to fix hardwares with provision for fly/mosquito mesh shutter, complete with all necessary hardware like heavy duty nylon - PVC rollers, antirisers suitable locks, hundles fixing with single glazing of 6mm float glass. Suitable weep holes to be provided to drain out water to outside and no air leakages or ratting of the shutter are permissible. All profile members to be reinforced with G.I profile of appropriate and welded finished neatly. All windows to be fixed to the wall with appropriate anchor fasteners and the window perimeter to be sealed both inside and outside with silicone sealants.	sqm	500	-	-	
<b>12</b>	<b>Badminton Courtyards</b>					
	Providing 8-Layer Acrylic flooring for Hostel Courtyard: a. 1 Layer - Acrylic Primer b. 2 Layers - Acrylic Resurfacer c. 3 Layers - Acrylic Cushion d. 2 Layers - Colour with Line Marking	sqm	370	-	-	
<b>SUB TOTAL (in Rs.)</b>					-	
<b>GST @ 18%</b>					-	
<b>Grand Total (in Rs.)</b>					-	