

**BOQ FOR FACADE TREATMENT WORK FOR SBI GAYA BRANCH BUILDING**

SNO	WORK DISCRIPTION	UNIT	QTY	RATE	AMOUNT
1	<b>ALUMIUM FRAME WORK FOR FACADE WORK</b>				
	Providing and supplying aluminium extruded tubular and other aluminium sections as per the architectural drawings and approved shop drawings , the aluminium quality as per grade 6063 T5 or T6 as per BS 1474, including super durable powder coating of 60-80 microns conforming to AAMA 2604 of required colour and shade as approved by the Engineer-in-Charge. (The item includes cost of material such as cleats, sleeves, screws etc. necessary for fabrication of extruded aluminium frame work. Nothing extra shall be paid on this account). The weight of aluminium extruded section shall be taken for purpose of payment. JINDAL/HIDALO/INDALCO /ALOM OR EUIVALENT	Kg	50.00		
2	<b>STRUCTURAL GLAZING: NCL- SECCOLOR STRUCTURAL GLAZING GRID SIZE 1.0X1.5M APPRX)</b>				
	Structural glazing is fabricated from roll formed sections made of Pre-painted Galvanized steel with a combination of specially designed components made up of CRCA with zinc phosphate. Required stiffeners will be inserted to take care of wind loads. A specially designed glass holding section will take care of weight of the glass. Silicone will be applied to arrest water leakages.	Sqm	55.76		
	Providing and Fixing Structural Glazing fabricated from Roll formed sections made of Pre-painted galvanized steel Powder coated (Base steel as per IS 513 of 'D' quality, galvanized as per IS 277 with Zinc of 120 Gm/Sqm) with total coated thickness of 0.72mm. The glass holding section made of 304 grade stainless steel of 0.58mm thick. Galvanized steel sections are to be used as stiffeners inside the colour coated steel/powder coated sections as per the design requirement. Design calculations are made to suit wind pressures as given in IS 875. Primer coat with epoxy primer of 5 – 7 microns thick, finish painted with a polyester paint of 12-16 microns thick and back coated with Alkyd backer of 5-7 microns or powder coated with pure polyester powder up to 50-60 microns thick.				

	The vertical section should be of 50mm x100mm x 0.72mm, 33mm x 58mm x 0.72mm for frame horizontal section, stiffener section should be 48mm x 98mm x 1mm, cover profiles sections should be of 20mm x 58mm x 0.58mm, Glass holding section should be of 37mm x 37mm & 37mm x 18mm. <b>Including 6mm thick toughened reflective glass of MAKE Saint Gobain/AIS ECO SENSE/MODI GUARDIAN</b> Brackets made of CRCA powder coated/Electroplated should be used to connect vertical to horizontal, vertical to slab, to fix verticals at top & bottom as per site requirement. Gasket made of EthylPropylene Diamine Monomer (EPDM). Natural cure, with Good U.V. resistance silicone preferably 789 of Dowsil to be used. Wall fixing of sections to concrete/masonry wall should be with self-expanding cap & screws.				
<b>Note:-</b>	vertical glass or horizontal glass fixed on frame as per above specification proper sealant material and leakage proof and weather protected or eco friendly				
	6mm thick toughened one sided reflective glass make AIS Eco sense /Saint gobain/ Modi GUARDIUN				
<b>3</b>	<b>HPL Cladding /lining one side laminate</b>				
	6mm thick high pressure laminate (decorative type) with moulded /extruded beading of appropriate design shape and size as per manufacturer's specifications (to secure the panel insert tight in place within the style and rails of the shutter) matching the design, color & shade of shutter frame. Clad fixed on GI square frame and angle cleat with screw and fastner as per design or drawing .or follow all hardware and HPL material shall weather protected, chemical resistant, anti dust, acoustic resistance termite proof and leakage and fire proof. make <b>GREEN CLAD /CENTURY Exteria /Royal Touch/ FUNDERMAX</b>	Sqm	100.00		
	<b>Rate analysis done from Greenlam Clad (HPL) OSL SIZE 10'X4'3" (EN438)</b>				
<b>4</b>	<b>ACP WORK Make EUROBOND/ALUCOBOND /ALPOLIC /ALSTRONG /TIMEXBOX</b>				
	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:	Sqm	109.00		
	(a) Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.				

	(b) Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.				
	(c) The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing. The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items.				
	The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approvedshop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.				
	<b>5 Porcelain Slim tile stone cladding</b>				
	Providing and fixing slim tile 3mm thk fixed on aluminium profile tube member 38x 25 mm horizontal and vertical with aluminium 20x20x3mm cleat fixed to 6x15mm srews 2 nos. on rcc or brick wall . 3 mm slim tile fixed on frame by VHB tape with appropriate structural adhesive as approved <b>make STONELAM OR EQUIVALENT</b>	Sqm	0.00		

	3mm THK 1.0mx3.0m slab fixed on frame with Dowsil sealant 795/995 for pasting C double sided VHB tap filling grooves and joint fabrication and cutting with groove as per design . selection of colour shade by Bank Engineer or Architect				
<b>6</b>	<b>FINISH WORK</b>				
	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.				
	20 mm cement plaster	Sqm	50.00		
<b>7</b>	<b>EARTH WORK</b>				
	Earth work by mechanical / manual means in rough excavation, banking excavated earth in layers not exceeding 20cm in depth, breaking clods, watering, rolling each layer with 1/2 tonne roller or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up in embankments for roads, flood banks, marginal banks and guide banks or filling up ground depressions, lead upto 50 m and for all lift				
	All kinds of soil	Cum	10.00		
<b>8</b>	<b>PCC WORK</b>				
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources).	Cum	1.00		
<b>9</b>	<b>STEEL WORK</b>				
	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
	Hot finished welded type tubes.	Kg	25.00		
<b>10</b>	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge..				
	In cement mortar	Cum	2.00		
<b>11</b>	10"thk brick work	Cum	1.00		
	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	Cement mortar 1:4 (1 cement : 4 coarse sand)				
<b>12</b>	Taken out existing facade projected sign board and remove all electrical wiring which is not used .	JOB	1.00		
<b>13</b>	Providing and fixing Glow sign board made by ACP sheet with acrylic chanel letter with internal side led light and text also incarved 1-2 "thk on board or as per approval by Bank	Sqft	22.00		

14	Providing and fixing 3d letter for name of building or department 8-12"wide and 12" ht 3"thk made by metallic and ACP material with powder caoted fixed by ss /brass stut or bolt on the plain surface like <b>STATE BANK OF INDIA AO AT GAYA</b> ETC DECIDED by bank official or engineers	sqinch	100.00		
<b>TOTAL AMOUNT OF FACADE TREATMENT WORK</b>				<b>RS.</b>	
<b>GST EXTRA AS PER APPLICABLE</b>					
<b>NOTE:-</b>					
	ALL MATERIAL MAKE OF COMPANY REFER SPECIFICATION				
SAFETY ARRANGEMENT SHOULD BE ASSURED BY CONTRACTOR NO DEFECICIENCY ACCEPTED					