



**INDIAN BANK
FGMO LUCKNOW**

FINANCIAL BID DOCUMENTS

CIVIL & ELECTRICAL WORK

MAIN BRANCH CAMPUS LUCKNOW

<p>Issued by Indian Bank FGMO MAIN BRANCH CAMPUS LUCKNOW</p>	<p>Issued To M/s Date:</p>	<p>Architects GUPTA AND ASSOCIATES Architects & Interior Designers 9B- 42 Mohankunj Vrindavan Yojna Raebareli Road Lucknow UP 226029 Email: guptaassociates@gmail.com Mobile 7906158347</p>
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RENOVATION OF INDIAN BANK MAIN BRANCH CAMPUS

TENDER ITEMS

This tender includes following item as per design and drawing. MS gate and fence design will be selected from catalogue. Contractor will show mock up samples for the boundary wall design upto 3mtr length. After required alteration Contractor will provide final products.

THE COST OF BOUNDARY WALL DESIGN SAMPLE SHALL BE INCLUDED IN THE TENDER PRICE BID AND NO EXTRA PAYMENT SHALL BE MADE FOR BOUNDARY WALL DESIGN SAMPLE (FOR 3MTR)

Item No-1 Construction of new boundary wall : This will consist RCC Column, plinth beams, RCC Coping and molding. MS fence, double plaster, making grooves, granite on horizontal surface, External paint, making arrangement for gate / pillar light and P/F AHPL name plates with Banks name / logo.

- I- **Existing boundary wall foundation will be retained to demarcate the campus boundary to avoid any dispute.**
- II- There shall be an expansion joint at every 30 M Continuous boundary wall length.

Item No-2 Repairing of old / existing boundary wall : This will require repairing strengthening of existing wall, plastering on both sides, making RCC Coping, fixing MS Fence on top as per design and painting with specified paint.

Item No-3 Providing and fixing M S Gates: Three MS gates of approved design and size have to be provided and fixed to the New RCC gate pillars. These gates shall be fixed with barrel hinges of appropriate size and capacity. Gate will be of two leaf and will be supported on MS wheel which will move on MS floor track fixed in floor.

Item No-4 External Campus Lighting : Item include SITC of Gate lights, pilar lights on campus boundary, landscape lights and street lights. Item also includes SITC of required cabling and wiring with controlling switches, for these lights.

NOTES FOR CONTRACTOR

- a. Contractor has to complete the job as per best practices and CPWD item specifications.
- b. Contractor has to use only specified items and approved makes, for deviation they have to take approval from client. Client may ask for Material test certificates and GST bills for total purchase.
- c. Removing Malwa from the site is part of item they shall quote rate accordingly.
- d. While dismantling they have to take care of safety of Bank, existing structures and underground cables , drains etc. They have to make it good if any incident occurs accidently on own cost.

LIST OF APPROVED MATERIAL AND MAKES OF ITEMS (THE MAKE LISTED BELOW SHOULD BE FIRST APPROVED BY THE COMPANY BEFORE USE IN CONSTRUCTION)

CIVIL WORK		
1	CEMENT (53 Grade)	ULTRATECH, JAYPEE, ACC, RELIANCE
2	WHITE CEMENT	BIRLA WHITE, JK WHITE
3	STEEL FOR REINFORCEMENT	TATA , JSW OR RHL (TMT STEEL)
4	BRICKS	APPROVED BRICKS OF METRIC SYSTEM
5	WATER PROOFING COMPOUND	CICO, CHOK SEY'S, PIDILITE, ROFF,
6	BITUMIN	STP OR ANY OTHER I.S.I. MARKED BRAND
7	PAINT- PUTTY & PRIMER	ASIAN, BERGER, NEROLAC, ICI-DULUX
8	GRANITE FLOOR ADHESIVE	DR. FIXIT, ROFF, FEVIMATE XL E
9	POP BAG OR READYMADE WORK	DIAMOND (SUPER FINE QUALITY) SAKARNI POP.
10	ALUMINUM SECTION	HINDALCO, INDAL OR JINDAL
11	MILD STEEL FOR FABRICATION	TATA (structura), SAIL, JSW OR EQUIVALENT
ELECTRICAL WORKS		
1	PVC CONDUITS	PRECISION/CAP/AKG /NIC /BEC
2	WIRES & CABLES	KEI/R.R./FINOLEX/POLYCAB/SKYTONE/GLOSTER
3	MODULAR SWITCHES, SOCKETS ETC	LEGRAND/ABB/SCHNEIDER
4	LIGHTING FIXTURES	PHILIPS/WIPRO/HAVELLS/BAJAJ/ JAQUAR.
5	Ammeter & Volt Meter (Analog)	AE//L & T/Rishabh/SCHNEIDER
6	Current Transformers	AE/KAPPA/SEGC/L & T
7	Indication Lamp (LED Type)	Legrand/L&T/Siemens/Vaishno
8	M.C.B./RCCB/RCBO ETC	LEGRAND/SCHNEIDER/ABB/SEIMENS/L&T/HAGER.
9	DISTRIBUTION BOARDS	-----SAME AS ABOVE-----
10	MCCB	A.B.B./SCHNEIDER/LEGRAND/SIEMENS/L. & T.
11	CHANGE OVER SWITCHES	H.P.L./A.B.B./STANDARD/ L. & T./HAGER
12	END TERMINATION ACCESSORIES	DOWELLS/USHA/BRECCO/COSMOS/COMMET
13	ASTRO-TIMERS	SCHNEIDER,LEGRAND, L&T, GIC
14	SURGE- PROTECTION (SPD)	SCHNEIDER,LEGRAND, PHOENIX CONTACT
15	POWER CONTACTORS	SCHNEIDER (TeSys) , ABB, SIEMENS

- NB. 1) The contractor should obtain prior approval from Employer / Consultants before placing order for any specific materials. Employer may / delete any of the makes or brands out of the above list.
 2). All materials should conform to relevant standards and codes of BIS.
 3) Materials with I.S.I. mark shall be used duly approved by the Banks Engineer / Architect.

Note: - If any material is found to be not up to the mark, the contractor will have to produce original bills/certificate from the manufacturer or his authorised Distributor for authenticity and genuineness of the material for consideration and as per make approved by the Bank. The same will not be considered for payment.

INDIAN BANK MAIN BRANCH CAMPUS LUCKNOW					
PRICE BID FOR CAMPUS BOUNDARY AND EXTERNAL LIGHTS					
S.N	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
A	CAMPUS BOUNDARY WORKS				
1	a. Cleaning of site and dismantling of Existing Boundary Wall, pillar etc as and where required in campus. Foundation of wall shall be retained in road side boundary wall. b. Trimming, relocating and cutting of trees, plants, roots of existing vegetation along the boundary wall or gate. c. All usable or saleable material shall be stacked at specified place. All other malba shall be disposed by contractor outside the municipal limit of Lucknow. Coordination with local authority for disposing the malwa etc will be responsibility of contractor.	1.00	Job		
2	Earth work in excavation Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	138.42	Cum		
3	Providing and laying in position cement concrete of specified grade excluding the cost of centring 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)	14.53	Cum		
4	Concrete, excluding the cost of centring, shuttering, finishing and reinforcement - All work up to plinth level :				
	Providing, hoisting and fixing above plinth level up to floor five level precast reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centring, shuttering but , excluding cost of reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	35.71	Cum		

S.N	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
5	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centring, shuttering, finishing and reinforcement :				
	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	25.84	Cum		
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.Thermo-Mechanically Treated bars of grade Fe-500D or more.	51.33	Qtl		
7	(a)-Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5 mm nominal size derived from natural sources) (Item includes, providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification. (c) Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with apiece of cloth lightly soaked in kerosene oil.	29.66	Sqm		
8a	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 1:6 (1 cement : 6 coarse sand)	33.00	Cum		
8(b)	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
	Cement mortar 1:4 (1 cement : 4 coarse sand)	3.27	Cum		
9 (a)	15 mm cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall.	50.68	Sqm		
9(b)	CEMENT PLASTER (IN COARSE SAND) 1:6 (1 cement: 6 coarse sand) 12 mm Plaster.	146.75	Sqm		
10	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster 1:3 (1 cement : 3 coarse sand) finished rough with sponge.	449.35	Sqm		
11	Forming groove of uniform size in the top layer of washed stone grit plaster as per approved pattern using wooden battens, nailed to the under layer, including removal of wooden battens, repair to the edges of panels and finishing the groove complete as per specifications and direction of the Engineer-in-charge : 13.73.1 15 mm wide and 15 mm deep groove	1121.93	Mtr		

S.N	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
12	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.				
	Granite stone slab (cost up to 200/sqmt) of all colour and texture except black, Cherry/Ruby red (Area of slab over 0.50 sqm)	36.00	Sqm		
a	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	240.00	Mtr		
13	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm), Exterior grade putty for smooth finish and surface preparation complete work. (Asian Paint- Apex Ultima Protek of approved colour)	634.88	Sqm		
14	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work. (Apolite Rust Shield PU Enamel) over Deecoprime priming coat and sanded surface Item includes filling all the gapes and sealing with WP putty so that no water can seep in section.	762.11	Sqm		
15	MS steel decorative work for boundary fence and gates , fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat (Asian Paint - Deecoprime Premium Metal Primer) of approved steel primer all complete.	4784.75	KG		
a	MS fence for boundary wall (each panel 2.70 m x 1.50 m = weight 45.00 kg complete work) will be made as per drawing by 25 mm x 25 mm SHS with 1.60 mm wall thickness (make Jindal black MS SHS, Tata or APL), there shall be a weep hole 3 mm dia in horizontal member on bottom for draining out moisture. Weilding shall br full - bead CO2 or Arc wIELDING (no tacking). every joint must be welded 360 degrees. there shall be no gape for water seepage.				
	In centre of MS fence there shall be a 4 mm exterior grade AHPL / HPL plate of size 560 x 560 mm (with aluminium U Channel at periphery) with Bank's name and Logo. there shall be a MS frame to fix it properly. branding shall be by using UV direct printing or high-performance cast vinyl (as approved by bank). Note: branding work is part of this item. it shall be fixed with double- sided foam tape between MS pipe and AHPL and corner shall be screwed with powder coated screws.				
	Bank will take GST paid receipt of pipe, Seal of company must be visible, weight of panel shall be 49 kg complete which will be checked on site.				

S.N	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
b	MS Gate - 3 No This will be a decorative MS double leaf gate. Total size will be 5.0 m (2 x 2.50 m) x 3.9 m height (maximum weight 4.0 Qtl) supported on RCC pillar (item to be paid in separate head). Gate frame will be ISMC 100 OR 125 (Mild steel channels) or heavy RHS. Hinges will be heavy duty ball bearing hinges. Ground clearance will be 100 -150 mm) depending on driveway camber. both shutters will have triple locking system i.e. drop bolts, sliding l bolt for a central Pad lock. Shutters will run on bottom wheel over MS floor track. In one shutter there will be a small sub gate for pedestrian movement of size 900x 2100 mm.				
16	Embedding GI Pipe 75 mm dia in pillar RCC to support gate light.	79.00	No		
17	Form Work Centring and shuttering including strutting, propping etc. and removal of form for :				
a	Foundations, footings, bases of columns, etc. for mass concrete.	104.10	Sqm		
b	Lintels, beams, plinth beams, girders, bressummers and cantilevers	160.88	Sqm		
c	Columns, Pillars, Piers, Abutments, Posts and Struts	246.12	Sqm		
	SUB TOTAL -A				
	Electrical Works.				
1	SITC of LDB -01/02 (12 WAY SPN DB) With Surge Protection device (SPD) Type-2. DB Comprising following (a) Incomer- 63 Amp 30 MA DP RCCB -1 No, (b) 2 Channel Astro - Timer (Schneider IC 2000/ L&T/ Legrand Equivalent with 10 Year Battery backup. (c) Power Contractors (to isolate the timer from the actual LED load) (d) SPMCBs outgoing 2 No-25 A 2 Pole (e) SPMCB outgoing 6 No (6A -16 A) .	2.00	No		
2	Supply and laying of 1100 V grade, PVC/XLPE insulated, armoured aluminium conductor cable of size 3X6 sq. mm. , mostly underground (as per CPWD specifications). Item includes excavation up to 750 mm, Laying sand cushion, brick protection for cable and for crossing GI/ PVC Pipe of required size.	500.00	Mtr		
b	Item same as above but for gate or pillar top lights 3Cx2.5 sqmm copper cable in conduit	450.00	Mtr		
c	Loop gate light (3C X1.5 Sqmm) FR-LSH Copper wire inside pillar conduit.	300.00	Meter		
d	3 core x 6 sqmm FRLSH multistrand cable in 25 mm heavy duty recessed conduit from main cable (32 A DP MCB C curve) to LDB.	15.00	Meter		
3	Earthing PIP technology GEL type 50mmdia 3000mm long earth electrode. One Earthing for Neutral grounding,	5.00	No		
4	Earth Wire 12 SWG Bare Copper Earth Wire from earthing pit /Earth terminal to load point (UPS DB and Main DB etc)	200.00	Meter		
5	SITC of Lights (Pole lights, gate lights and bollards light of following make -Jaquar, Philips, Wipro				

S.N	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT
6	(a) SITC of LED LIGHT- POST TOP TURAIS-80W, WW UPRT with lamp, Item Code: OGL-BLK-PTT URAIFD 050WWT0 (Jaquar Make) or (equivalent) with 4 Mtr high decorative pole (Jaquar TURAIS) with cast iron , along with complete inbuilt pole box consisting MCB , Connector, earthing bolt and other electricals accessories along with foundation plate and bolts and template, Complete Set. Turais (Jaquar Make). This Pole shall consist internal wire, pole box, with MCB, earth bolt plate. Item include making required RCC foundation in 1:1.5:3 size 500x500x900mm. Complete work	18.00	No		
7	SITC of Jaquar make Disc Bollard 10 watt. Body will be of die cast aluminium housing, opal diffuser with in-built LED 140 V-270 V AC - IP-65. Item includes making required RCC foundation for fixing the base plate. Complete work.	20.00	No		
8	SITC of Gate Light with lamp- Jaquar make TURAIS series OGL-BLK-PTTURAIFD040WWT0,LED LIGHT POST TOP TURAIS-40W, WW UPRT complete work including all required accessories.	6.00	NO		
9	SITC of PILLAR LIGHT with lamp- Jaquar make OGL-BLK-PTTURAIFD030WWT0,LED LIGHT POST TOP TURAIS-30W, WW UPRT complete work including all required accessories.	40.00	No		
	SUB TOTAL - B				
	TOTAL -(A+B)				
Notes					
a	All underground cable entrees in to the DBs shall be scaled with IP-68 Polyamide glands.				
b	Provide radium stickers inside DB doors indicating which MCB Controls which zone .				
c	Street light pole must have a earth terminal bolt pole box consisting required MCB and looping the GI Loop wire should be connected using ring type copper / GI Lug.				