

REGIONAL OFFICE – PATNA  
NASHEMANN BHAWAN FRASER ROAD PATNA

Date:-25/03/2022

**TENDER NOTICE**

**Subject: RENOVATION- FURNISHING & ELECTRICAL WORK AT DAV KHAGAUL BRANCH AND ATM**

Dear Sir/Madam

**Tender for Furnishing and Electrical works of DAV KHAGAUL Branch and ATM.**

Bank invites sealed tenders from our empanelled contractors in respect of the aforesaid works at DAV KHAGAUL Branch and ATM under PATNA Region. Sealed item rate tenders are invited by Union Bank of India, Regional Office, Patna. The estimated cost of the work is Rs.8,31,930.00 for Furnishing work & Rs. 4,17,565.00 for Electrical work.

In case you are interested for the said work, you are requested to fill up the schedule of quantities (Tender paper format enclosed) for the said contract complete in all respect and submit in sealed separate envelops clearly specifying '**Tender for Furnishing and Electrical work of DAV KHAGAUL Branch and ATM**' along with earnest money amounting to Rs.8319.00 (Rupees Eight Thousand Three Hundred nineteen only) for furnishing work and Rs.4175.00 (Rupees Four Thousand One Hundred Seventy five only) for electrical work , tender (Refundable in case the tender is not accepted) in the form of Draft, Pay order/Bankers Cheque in favour of UNION BANK OF INDIA and drawn on any nationalized Bank at Patna to be deposited in this office at 03:00 p.m. on or before 25.04.2022. The price/value should be quoted including Taxes/Transport Charges and excluding GST.

The Bank reserves the right to accept or reject any or all tenders received in this regard without assigning any reasons whatsoever. Tenders received after the above time & date i.e. at 3:00 p.m. 25.04.2022 will not be entertained. It is pertinent to note that only empanelled contractors can participate in this tender process and the list of empanelled contractors for furnishing and electrical work are mentioned below:-

**FURNISHING**

CATEGORY A :: UPTO Rs. 40.00 lacs

CATEGORY B :: UPTO Rs. 15.00 lacs

S.NO.	CONTRACTORS	CATEGORY
1	M/s Sona Infrastructure	A
2	M/s Natraj Electrical & Construction Co.	A
3	M/s Perfect Ergonomics Pvt. Ltd.	A
4	M/s Inter Deco	A
5	M/s Electric Enterprises,Hajipur	A

6	M/s Neeraj Furniture & Electrical Works	A
7	M/s Anirudh Kumar	A
8	M/s Décor India	A
9	M/s Riya Enterprises	B
10	M/s Maa Vaishno Enterprises	B
11	M/s Patliputra Infrastructure	B
12	M/s Unique Office Systems	B
13	M/s Vishwakarma Infrastructure	B
14	M/s Electric Enterprises, Ranchi	B
15	M/s Sai Techno	B
16	M/s Raj Construction	B
17	M/s Mascot Construction	B
18	M/s Bhushan Furniture	B

### **ELECTRICAL**

CATEGORY A :: UPTO Rs. 40.00 lacs

CATEGORY B :: UPTO Rs. 15.00 lacs

S.NO.	CONTRACTORS	CATEGORY
1	M/s Sona Infrastructure	A
2	M/s R K Electricals Services	A
3	M/s Natraj Electrical & Construction Co.	A
4	M/s Inter Deco	A
5	M/s Electric Enterprises, Hajipur	A
6	M/s Shree Raj Enterprises	A
7	M/s Maa Enterprises	B
8	M/s Maa Vaishno Enterprises	B
9	M/s Vishwakarma Infrastructure	B
10	M/s Electric Enterprises, Ranchi	B
11	M/s Sai Techno	B
12	M/s JD Electricals Enterprises	B
13	M/s PCS Construction	B
14	M/s Raj Construction	B

Those who are interested in work shall have to finish entire work as per specification and well within time i.e. 21 days, else Bank is free to charge penalty @ 0.50% of total cost per day after stipulated time period mentioned in work order.

Yours Faithfully



Chief Manager  
Regional Office, Patna  
First Floor Nashemann Bhawan  
Patna-800001

BILL OF QUANTITY OF ELECTRICAL WORKS N/W: PROVIDING ELECTRICAL WORKS FOR UNION BANK, DAV BRANCH PATNA , BIHAR					
BRANCH					
A	SUB HEAD-I (WIRING)				
B	SUB HEAD-II (DISTRIBUTION BOARDS & PANELS)				
C	SUB HEAD-III (SUPPLY OF FIXTURES & FANS)				
D	SUB HEAD - IV (ERECTION OF FIXTURES)				
E	SUB HEAD - V (SUPPLY OF CABLE MAIN & SUBMAIN)				
F	SUB HEAD-VI (SUPPLY & MAKING OF EARTHPIES)				
BRANCH ESTIMATE					
ATM ESTIMATE					
GST (Extra % applicable)					
SL. NO.	ITEM OF WORK	UNIT	QTY	RATE	AMOUNT
<b>SUB HEAD - I (WIRING)</b>					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq mm FR PVC insulated copper condtr single core cable in surface/ recessed PVC conduit with modular switch, modular plate, suitable GI box and earthing the 3rd point with 1.5 sqmm FRLS PVC insulated copper conductor single core cable etc as required.	Each	42		
2	Wiring for A.C. Point with 2 x 4 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	105		
3	Sub Main Wiring for Light D.B. with 4 x 2.5 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with 1X4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	22		
4	Sub main Wiring between UPS to UPS fed DB with 2 x 6 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with 1X 6 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	35		
5	Sub Main wiring for RAW Power D.B. with 4 x 4 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with 1X4 sq mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	20		
6	Wiring for UPS Power feed computer point with 2 x 2.5 sqmm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 2.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required. ( 3 outlets, i.e 3 points each with 1 switch and 3 sockets shall be under one circuit	Mtr.	145		
7	Wiring for RAW Power feed computer point with 2 x 2.5 sqmm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 2.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required. ( 3 outlets, i.e 3 points each with 1 switch and 3 sockets shall be under one circuit	Mtr.	145		

8	Light Circuit wiring with 2 x 1.5 sqmm FRLS PVC insulated copper conductor single core cable surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 1.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	95		
9	15A/16A Power point Circuit wiring with 2 x 2.5 sqmm FRLS PVC insulated copper conductor single core cable surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 2.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	35		
10	Supply & fixing suitable size GI box with modular plate and cover in front on surface/ in recess i/c pvdg & fixing 5 pin 5/6 amp modular socket outlet and 5/6 amps modular switch, connection, painting etc as reqd.	Set	12		
11	Supply & fixing suitable size GI box with modular plate and cover in front on surface/ in recess i/c pvdg & fixing 6 pin 15/16 amp modular socket outlet and 15/16 amps modular switch, connection, painting etc as reqd.	Set	2		
12	Supply & fixing remote controlled call bell buzzer suitable for 230 V AC/ Battery operated with remote type bell push as reqd.	nos.	1		
13	S/F AC controller unit consisting of one no 25 amp AC controller having overload protection starter, one no 20/25 amp SPN MCB and socket outlet, all fixed on a modular plate complete with metal box and recessed in wall as reqd.	Set	5		
14	Supply & fixing of computer point with 3 no. 5 pin 5/6 amp modular socket with modular type switch for <b>UPS Power</b> & 1 no. 5 pin 5/6 amp modular socket with modular type switch for <b>RAW Power</b> with modular type switch phenolic laminated sheet suitable size PVC/G.I. box. As per instruction of Bank/Ele.Er./as required.	nos.	9		
15	Supply & fixing of approved make including square face plate and M.S. housing box with RJ-45 socket etc complete in all respect including cat-6 Data cable conduits, identification of the hub				
	a) RJ-45 socket	Set.	9		
	b) Cat-6 Data cable with PVC conduit	Mtr.	320		
16	Supply & fixing of approved make including square face plate and M.S. housing box with RJ-11 socket etc complete in all respect including cat-6 Data cable conduits as required.				
	a) RJ-11 socket	Set.	5		
	b) Supplying and drawing 2 pair 0.5 sqmm FR PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/PVC conduit as required.	Mtr.	140		
17	Supplying and drawing fixing 8 SWG copper conductor wire for loop earthing as required.	Mtr.	30		
18	Supply & fixing Commissioning of 20 line Net-working hub all complete as required.	Set.	1		
19	Supply & fixing Commissioning of 2 Meter Patch Cord as required, all complete as per requirement.	Set.	10		
20	Supply & fixing of following sizes of PVC conduit along with				
	a) 20 mm	Mtr.	20		
	b) 25 mm	Mtr.	20		
	<b>TOTAL SUB HEAD-I</b>				
<b>SUB HEAD - II (DISTRIBUTION BOARDS &amp; PANELS)</b>					
1	Supplying & Fixing following ways three pole and neutral sheet steel MCB DB, 415 volts on surface/ recessed complete with tinned copper busbar, neutral busbar, earth bar din bar detachable gland plate interconnections, phosphatised and powder painted i/c earthing etc as reqd. ( But without MCB / RCCB/Isolator)				
	b) 4+12 Way double door TPN D.B.	Each	1		
	b) 16Way double door SPN D.B.	Each	2		

2	Supply & fixing 5 amps to 32 amps rating 240 V 'C' series MCB suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc as reqd.				
b	32 A 10 KA FP MCB "C"	Each	1		
c	32 A 10 KA DP MCB "C"	Each	2		
d	6/10 A 10 KA SP MCB "C"	Each	35		
3	<p>Supply &amp; fixing of indoor cubicle extensible type fully compartmentalized Distribution panel suitable for operation on 415 volts 50 Hz 3 phase 4 wire AC distribution system, suitable for 35 KA short circuit rating, confirming to IP:42 degree of protection, made up of 1.6 mm thick CRCA sheet, wall/ floor mounted, dust &amp; vermin proof enclosure, having hinged and earthed cover on front, having neoprene gasket/ katings stuck to the doors, duly painted with 65- 75 microns thick dry epoxy powder paint after 7 tank process of degreasing, derusting etc comprising of the following switchgears complete with all interconnections with suitable size of copper strip/hard drawn PVC insulated copper cable i/c keeping the panel in position, minor civil works as necessary, painting, sign writing etc complete as required (as per specifications of Panel attached)</p> <p><b>TEST REPORT:</b></p> <p><b>FOLLOWING REPORTS HAVE TO BE PROVIDED BY THE VENDOR AT THE TIME OF SUBMISSION OF BILL.:</b></p> <p>1) FINAL AS BUILT PLAN IN THREE COPIES DRAWN TO THE SCALE, PRINTED IN CASE OF CAD AND BLUE PRINT, IN CASE OF MANUAL DRAWING.</p> <p>2) QUALITY REPORT INDICATING THE ITEMS USED WITH THEIR MAKES.</p> <p>3) PANEL MANUFACTURER'S CPRI TEST REPORT.</p> <p>4) ROUTINE TEST REPORT OF PANEL FOR IR &amp; HV TEST.</p> <p>5) GUARANTEE/WARRANTY CARD OF PANEL MANUFACTURER.(Panel Size- H-1400mm, W-900mm &amp; D-300mm)</p>				
	<b>INCOMING:</b>				
	a) 100 amp 4 pole MCCB not less than 25 KA having Thermo magnetic type release for a range of 80% to 100% for Overload and short circuit complete with rotary handle etc as reqd.: 1 no				
	b) 63 amp 4 pole heavy duty I-II-I type cubicle changeover switch: 1 no				
	<b>METERING:</b>				
	a) Multifunctional meter displaying A/V/PF & Hz along with 3 nos Suitable size CTs & HRC type protection fuse etc as reqd: 1 nos				
	c) LED type phase indicating lamp in phase distinguishing colors with HRC fuse : 6nos				
	<b>BUS BAR:</b>				
	Main Bus Bar: 4 strip 200 amp bus bar made of electrical grade aluminium strip enclosed in separate bus bar chamber, provided with DMC/ SMC bus bar support duly insulated with heat shrinkable sleeves in distinct colours as reqd: 1 set				
	Emergency Load Bus Bar: 4 strip 150 amp bus bar made of electrical aluminium copper strip enclosed in separate bus bar chamber, provided with DMC/ SMC bus bar support duly insulated with heat shrinkable sleeves in distinct colours as reqd: 1 set				
	<b>OUTGOINGS:</b>				
	32 amp, 10 KA D Series FP MCB : 2 nos.				
	32 amp, 10 KA D Series DP MCB: 2 nos.				
	25 amp 10 KA C series SPN MCB: 7 nos.				
	40 A rotary type Phase selector: 2 no				
	40 amp DP Manual Change Over For UPS Charging-1 nos.	Set	1		

4	SITC of indoor cubicle type UPS panel suitable for operation on 415 volts 50 Hz, 3 phase 4 wire AC distribution system, AC supply, suitable for 35 KA short circuit rating, confirming to IP:42 degree of protection, made up of 1.6 mm thick CRCA sheet, wall/ floor mounted, dust & vermin proof enclosure, having hinged and earthed cover on front, having neoprene gasket/ katings stuck to the doors, duly painted with 65- 75 microns thick dry epoxy powder paint after 7 tank process of degreasing, derusting etc comprising of the following switchgears complete with all interconnections with suitable size of copper strip/hard drawn PVC insulated copper cable i/c keeping the panel in position, minor civil works as necessary, painting, sign writing etc complete as required. (as per specifications of Panel attached)				
	<b>INCOMING:</b>				
	a) 32 amp FP MCB 10 KA D series.: 1 no.				
	b) 63 amp Phase Selector- 1 no.				
	<b>METERING:</b>				
	a) Digital Volt meter displaying voltage with 3 nos HRC type				
	<b>UPS INPUT &amp; OUT PUT</b>				
	3 no 40 A SPN MCB 10KA with 3 no 40 amp Industrial type socket				
	<b>OUTGOINGS:</b>				
	a) 40 amp SPN MCB 10 KA B Series: 2 nos	nos.	1		
	<b>TOTAL SUB HEAD-II</b>				
<b>SUB HEAD - III (SUPPLY OF FIXTURES &amp; FANS)</b>					
1	Supplying of 6W/9W LED batten suitable for indoor application.	Each	3		
2	Supplying of stepped type electronic fan regulator on the existing modular plate switch box i/c connection but excluding modular plate etc as reqd.	Each	0		
3	Supplying of 36W LED (2'X2') surge protection LED luminaire suitable for armstrong ceiling and grid ceiling complete with separate electronic drive/approved make by architect/Ele.Consultant etc as reqd.	Each	15		
4	Supplying of recess mounted circular LED (dia-6") downlighter 9/12 Watt LED suitable for armstrong ceiling and grid ceiling complete with separate electronic drive/approved make by architect/Ele.Consultant etc as required.	Each	20		
5	Supplying of recess/wall mounted 40 Watt LED tube light suitable with separate electronic drive/approved make by architect/Ele.Consultant etc as required.	Each	5		
6	Supplying of 1200 mm sweep energy efficient ceiling fan, connection with 1.5 sqmm PVC ins copper condtr, testing, commissioning etc as reqd.	Each	0		
7	Supplying of oscillating and tilting type wall bracket fan of 400 mm sweep i/c fixing the same on wall , connection with 1.5 sqmm PVC insulated copper conductor, testing, commissioning etc as required. (Make Usha, Bajaj, Havells)	Each	10		
	<b>TOTAL SUB HEAD-III</b>				
<b>SUB HEAD - IV (ERECTION OF FIXTURES)</b>					
1	Installation, testing and commissioning of 450MM wall fan including wiring with 1.5 sq. mm PVC insulated, copper conductor, single core cable etc. as required.	Each	10		
2	Installation, testing and commissioning of 1X36watt tube Light or 1 X 18/23 watt LED with tube /bulb and other all cover provide all fitting.	Each	40		
	<b>TOTAL SUB HEAD- IV</b>				
<b>SUB HEAD - V (SUPPLY OF CABLE MAIN &amp; SUBMAIN)</b>					
1	Supply & laying for sub main from L.T line & DG line following sizes and core PVC/XLPE insulated PVC sheathed, heavy duty, armored electrical cable with aluminum conductor for working voltage up to and including 1100 volts.(Conforms toIS:1554.part-1) with 8 no. SWG die bare copper conductor wire for loop earthing, proper laying on wall or roof, thumbnail clipping and use proper size cable gland for cable sport etc. as required. all complete as per instructions of Elec.Er. / Architect.				
a	35 sq.mm, 3.5 core LT Cable	Mtr.	30		

b	16 sq.mm, 3.5 core LT Cable	Mtr.	0		
<b>TOTAL SUB HEAD-V</b>					
<b>SUB HEAD - VI (SUPPLY &amp; MAKING OF EARTHPITS)</b>					
1	Earthing with CU earth plate 600mm x 600mm x 3 mm thick accessories and pdg masonry enclosure with cover plate having locking arrangement and watering pipe etc ( but without charcoal or coke and salt) complete as required.	Set	2		
2	Extra for using charcoal and sal for copper earth plate electrode as required	Set	2		
3	Providing & laying earth connection from earth electrode with 4 mm dia copper wire in 15 mm dia. GI pipe from earth electrode as required.	Mtr.	15		
4	S/L 4 mm dia copper wire on surface or in recess as reqd.	Mtr.	20		
<b>TOTAL SUB HEAD-VI</b>					
<b>Electrical work for ATM</b>					
<b>BOQ OF ELECTRICAL WORKS N/W: PROVIDING ELECTRICAL WORKS FOR UNION BANK OF INDIA- DAV BRANCH (ATM)</b>					
<b>SL. NO.</b>	<b>ITEM OF WORK</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>SUB HEAD - I (WIRING)</b>					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq mm FR PVC insulated copper condtr single core cable in surface/ recessed PVC conduit with modular switch, modular plate, suitable GI box and earthing the 3rd point with 1.5 sqmm FR PVC insulated copper conductor single core cable etc as reqd.	Each	5		
2	Wiring for A.C. Point with 2 x 4 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 4 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	15		
3	Wiring for UPS fed computer point with 2 x 2.5 sqmm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 2.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required. ( 3 outlets, i.e 3 points each with 1 switch and 3 sockets shall be under one circuit	Mtr.	15		
4	Circuit wiring with 2 x 1.5 sqmm FR PVC insulated copper conductor single core cable surface/ recessed PVC conduit / PVC Casing - n Capping along with one no 1.5 sq mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr.	15		
5	S/F suitable size GI box with modular plate and cover in front on surface/ in recess i/c pvdg & fixing 5 pin 5/6 amp modular socket outlet and 5/6 amps modular switch, connection, painting etc as reqd.	Set	2		
6	S/F AC controller unit consisting of one no 25 amp AC controller having overload protection starter, one no 20/25 amp SPN MCB and socket outlet, all fixed on a modular plate complete with metal box and recessed in wall as reqd.	Set	2		
7	S/F suitable size GI box with modular plate and cover in front on surface/ in recess i/c pvdg & fixing 6 pin 15/16 amp modular socket outlet and 15/16 amps modular switch, connection, painting etc as reqd.	Set	3		
8	S/F wiring 3no. 5 pin 5/6 amp modular socket with modular type switch, phenolic laminated sheet suitable size PVC/G.I. box from UPS power one no. 2 pair telephone wire from EPABX to telephone jack RJ-11 socket.As per instruction of Bank/Ele.Er./as required.	nos.	2		

10	S/I/T/Commissioning of 2 Meter Patch Cord as required, all complete as per requirement.	Set.	1		
	<b>TOTAL SUB HEAD-I</b>				
<b>SUB HEAD - II (DISTRIBUTION BOARDS &amp; PANELS)</b>					
1	SITC of indoor cubicle extensible type fully compartmentalized Distribution panel suitable for operation on 415 volts 50 Hz 3 phase 4 wire AC distribution system, suitable for 35 KA short circuit rating, confirming to IP:42 degree of protection, made up of 1.6 mm thick CRCA sheet, wall/ floor mounted, dust & vermin proof enclosure, having hinged and earthed cover on front, having neoprene gasket/ katings stuck to the doors, duly painted with 65-75 microns thick dry epoxy powder paint after 7 tank process of degreasing, derusting etc comprising of the following switchgears complete with all interconnections with suitable size of copper strip/hard drawn PVC insulated copper cable i/c keeping the panel in position, minor civil works as necessary, painting, sign writing etc complete as required (as per specifications of Panel attached)				
	<b>INCOMING:</b>				
	a) 63 amp 4 pole MCCB not less than 25 KA having Thermo magnetic type release for a range of 80% to 100% for Overload and short circuit complete with rotary handle etc as reqd.: 1 no				
	<b>METERING:</b>				
	a) Multifunctional meter displaying A/V/PF & Hz along with 3 nos Suitable size CTs & HRC type protection fuse etc as reqd: 1 nos				
	c) LED type phase indicationg lamp in phase distinguishing colors with HRC fuse : 6nos				
	<b>BUS BAR:</b>				
	Main Bus Bar: 4 strip 150 amp bus bar made of electrical grade copper strip enclosed in separate bus bar chamber, provided with DMC/ SMC bus bar support duly insulated with heat shrinkable sleeves in distinct colours as reqd: 1 set				
	<b>OUTGOINGS:</b>				
	a) 63 A rotary type Phase selector: 1 no				
	b) 40/63 amp SPN MCB 10 KA D series: 2 nos ( UPS + spare)				
	c) 25 amp Single pole & Neutral MCB 10 KA D Series: 2 nos (For AC)				
	d) 10 A SP MCB- 2 no. (For Light CKT)				
	e) 1 no 40 A SPN MCB 10KA with 1 no 40 amp Industrial type socket out let and Top with connection for input switch from selector switch and between out put switch to o/g MCB with PVC insulated copper condtr wire as reqd: 2 nos ( for UPS input & Output from UPS)		1		
	<b>TOTAL SUB HEAD-II</b>				
<b>SUB HEAD - III (FIXTURES &amp; FANS)</b>					
1	Supplying &fixing 1x18-60W CFL/Bulk head Luminaries with tube/bulb (FL800/320) make PHILIPS / approved equivalent.	Each	1		
2	Supplying, installation, testing & fixing of 18W LED edge-lit luminaire suitable for armstrong ceiling and grid ceiling complete with separate electronic driver. Make- WIPRO (CAT. NO.-LM25 361-57, 38W LED) or equivalent of approved make by architect etc as reqd.	Each	2		
3	Supplying, installation, testing & fixing of 1X36 W (TMS021 1XTL-D36-28W , MAKE-PHILIPS) tube light fitting powder coated batten with PC tube (1XTL-36W, MAKE-Philips)	Each	1		
4	Supplying of recess mounted circular LED (dia-6") downlighter 9/12 Watt LED suitable for armstrong ceiling and grid ceiling complete with separate electronic drive/approved make by architect/Ele.Consultant etc as required.	Each	6		
	<b>TOTAL SUB HEAD-III</b>				



SUB HEAD - IV (CABLE MAIN & SUBMAIN)					
1	Supply & laying for sub main from L.T line & DG line following sizes and core PVC/XLPE insulated PVC sheathed, heavy duty, armored electrical cable with aluminum conductor for working voltage up to and including 1100 volts.(Conforms to IS:1554.part-1) with 8 no. SWG die bare copper conductor wire for loop earthing, proper laying on wall or roof, thumbnail clipping and use proper size cable gland for cable sport etc. as required. all complete as per instructions of Elec.Er. / Architect.				
	(ii)16sq mm,4core	Mtr.	15	-	
TOTAL SUB HEAD-IV					
SUB HEAD - IV (EARTH PITS)					
1	Earthing with GI earth plate 600mm x 600mm x 6 mm thick accessories and pdg masonry enclosure with cover plate having locking arrangement and watering pipe etc ( but without charcoal or coke and salt) complete as required.	Set	1		
2	Extra for using charcoal and sal for GI / copper earth plate electrode as required ( 96 Kg charcoal & 5 Kg salt)	Set	1		
3	Providing & laying earth connection from earth electrode with 6 SWG dia GI wire in 15 mm dia. GI pipe from earth electrode as required.	Mtr.	10		
4	S/L 6 SWG G.I.wire on surface or in recess as reqd.	Mtr.	10		
TOTAL SUB HEAD-IV					
			Total (B):-		

# BILL OF QUANTITY OF INTERIOR DESIGN AND FURNITURE WORKS FOR UNION BANK OF INDIA, DAV BRANCH PATNA.

Sl. No.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Note-I: Anti-termite with Chloropyrphos of approved brand and make to be done on all wooden surfaces.				
	Note-II: Wherever painting items are mentioned, these always include the base coats of primer required and a minimum of 2 coats of the final paint. Anti-termite with Chloropyrphos of approved brand and make to be done on all wooden surfaces.				
	Note-III: Laminate pasting pattern / design as per bank's design guideline				
1	<b>(FULL HEIGHT PARTITION)</b> Providing and fixing full height double skin partitions in cabins etc. with frames of 2" x 2" (finished size) seasoned hardwood members (hollock / malaysian sal) at max. intervals of 2'-0" x 2'-0" c/c with provision of bigger members at skirting, fixing to door frames, etc. all wood work to be treated with 1st quality anti-termite paint, and covered with 6 mm thick bwp Plywood of approved make covered with various finishing layers as per design and details including 1 mm thick laminate. (All visible wood to be of 1st quality "gamhar") and shall be painted with Premium 1st quality paint / polished as per instructions of Bank. Laminates shall have a number of horizontal / vertical grooves and the ply under such grooves shall be painted with approved colours.				
	Opening for communication / conversation shall be provided as required as per detailed design and nothing extra shall be paid / deduction for the same. The height of the partition shall be measured upto the R.O.C. Roof, if applicable. All doors including sliding doors / openable doors, with all fittings including ISI Marked Bolts, etc., shall be included in the same price. Doors shall be of heavy sections matching the partition and shall have 8.0 mm thick etched glass as per design. All items necessary for completing the above mentioned work are deemed to be included in the scope of work, whether or not they are specifically mentioned in the B.O.Q / tender documents / drawings, as per approved design and direction of the bank/ Architect.	S.Ft.	264.00		
2	<b>Semi Glazed Partition</b> -The partition between the level 3'-0" to 7'-0" have 8 mm thk Float glass with 3M Make CRYSTAL engraved etching film. Glass panel as an insert with 3 1/4"x1" thk.beach wood (BW) beading with melamine spray polish including all hardware, etc. complete. The partition should be firmly fixed on floor/ counter/ wall. Opening for communication / conversation shall be provided as required as per detailed design and nothing extra shall be paid / deduction for the same. All doors including sliding doors / openable doors, with all fittings including ISI Marked Floor Springs, Hinges, Bolts, etc., shall be included in the same price. Doors shall be of heavy sections matching the partition as per design and shall have 8.0 mm thick etched glass as per design. All items necessary for completing the above mentioned work are deemed to be included in the scope of work, whether or not they are specifically mentioned in the B.O.Q / tender documents / drawings, as per approved design and direction of the Architect.	S.Ft.	230.00		
3	<b>(HALF HEIGHT PARTITIONS-FULLY PANELLED)</b> (4'6" ht) The partition between the level 3'-0" to 4'6" have 12 mm thk Float glass. Providing and fixing half height double skin partitions in cabins etc. with frames of 2" x 2" (finished size) seasoned hardwood members (hollock / malaysian sal) at max. intervals of 1'-6" x 1'-6" c/c with provision of bigger members at skirting, fixing to door frames, etc. all wood work to be treated with 1st quality anti-termite paint, and 6 mm thick Plywood of approved make covered with various finishing layers as per design and details including 1 mm thick laminate. (All visible wood to be of 1st quality "gamhar") and shall be painted with Premium 1st quality paint / polished as per instructions of Bank				

	Ghambhar Frame shall be neatly painted / polished to a glossy finish with premium quality paint / polish. All necessary hardware such as hinges, bolts, etc. and any other hardware required for the wicket door, shall be included in the price. Laminates shall have a number of horizontal / vertical grooves and the ply under such grooves shall be painted with approved colours. Openings for communication / conversation shall be provided as required as per detailed design and nothing extra shall be paid / deduction for the same. All electrical wires, accessories, telephone wires, etc., shall be run in the partition without any extra charges for the same. All items necessary for completing the above mentioned work are deemed to be included in the scope of work, whether or not they are specifically mentioned in the B.O.Q / tender documents / drawings. All exposed wooden surfaces are to be painted with Premium quality paint as per Specifications.	S.Ft.	135.00		
4	(COMPUTER CASH AND CASH CAGE PARTITIONS - SIDES & REAR) Providing and fixing cash cage partition, as per specifications given in Item No. 1a above, modified in height and the openings required to suit the requirements of cash cages with the exception that in addition to 5.0 mm glass, aluminium mesh shall be given in all cash cage partitions, etc., from 4'-0" to 7'-0", along with supporting members all doors as per specifications given in Item No. 1 above, all hardware for doors excluding door closers, godrej night latches which shall be paid for separately, all complete. The front of the cash cage shall be done in a decorative design, as shown in the attached drawings and details.	S.Ft.	220.00		
5	(ALUMINIUM MESH ON TOP OF CASH CAGE) Providing and fixing aluminium mesh cage on top of cash cage area, all complete with polished gambhar wood frame, duly supported at regular intervals to prevent sagging, all complete.	S.Ft.	65.00		
6	(HYDRAULIC DOOR CLOSER) Providing and fixing Hydraulic door closers of specified brand, all complete as per instructions of Architect / Employer.	Each	6.00		
7	(LOCKS) Providing and fixing "Godrej Night Latch" / "Godrej Mortice Lock" in required places, all complete with fixing, fitting, etc.	Each	6.00		
8	(EXECUTIVE TABLES) Providing and Placing new executives tables alongwith matching credenza of plan size (basic) as given below and credenza of plan size as given below, table top to be made of 19 mm thick plywood of approved make, edged with beading of 2" x 1-12 approx), cut to required shape, top of table to have 1.0 mm thick laminate, and teakwood beading to be polished to required colour and finish. Table to have a vertical modesty panel of 19 mm thick plywood of approved make laminated/Plain with laminate (1.0 mm thick) from the outer side and painted with minimum 2 coats of premium 1st quality paint on the inner side. Modesty partition to have 1st quality beading on top as per design and specifications and Quality Enamel paint over appropriate priming coat on the internal surface.				
	Laminate to have a no. of grooves as per design and drawings. A chest of drawers shall support the table on its side (except in the case of staff tables of 4'-0" width, where the table shall be supported on one side by the credenza unit) integrally connected to the modesty partition, made of 19 mm thick commercial plywood of approved make, drawers to slide on drawer slides (EBCO / Equivalent), and made of 19 mm thick grade bwp board for all sides and bottom cabinet shutters of 19 mm thick commercial plywood of approved make, cabinet hinges to be t-type, self closing, EBCO / Equivalent, all edges of all blockboard / plywood to be sealed with 1st quality teakwood edging, including blockboard members touching the ground.				

	Drawers and cabinet shutters to be laminated on all external surfaces with 1.0 mm thick laminate, and painted on all visible internal surfaces with premium 1st quality enamel paint as Specified above. All drawers and cabinets (both in tables and credenza) to be provided with high quality 'Gogrej' locks, and high quality handles as per Item No. B-1 above. Drawers and cabinets, cabinet shutters, etc. to be as described in the specifications above, including all finishing details and one sized cabinet shutter in 1st Quality Teakwood frame, finished with laminate also to be laminated with 1.0 mm thick laminate grooves as per design. Keyboard unit as per design and specification to be included in the rate, as per approved design and direction of the bank/ Architect.				
	<b>Laminate pasting pattern /design as per banks design guideline/detail/reference.</b>				
a)	Manager (6'-0" x 3'-0")	Each	1.00		
b)	Officer (5'-0"x2'6")	Each	0.00		
c)	Officer (4'-0"x2'6")	Each	1.00		
d)	Credenza (1'3"x3'0")	Each	5.00		
e)	Credenza (1'3"x3'6")	Each	0.00		
f)	Full Ht cabinet.-(elevation area calculation))	SFT	0.00		
g)	Sill Ht cabinet.-(elevation area calculation))	SFT	70.00		
9	(COUNTERS) Providing and fixing COMPUTER COUNTERS (as per design, from as LEDGER COUNTERS) made out of 19 mm thick bwp ply board of approved make and as per the attached drawing, all complete with 1.0 mm thick laminate on all visible surface, tabletops, custom made, etc. and all drawers etc. to be painted with 1 coat of primer and 2 coats of 1st quality enamel paint). 12 mm thick glass, MODIGUARD/40 SHL, branded, to be used on top of the COMPUTER COUNTER. Keyboard Tray to be provided on Special Keyboard Slides, and wristrest to be given. Drawer Slides to be used for all drawers. All locks to be of Godrej / Linc. All drawers, cabinets, Keyboard, etc. to be lockable. Footrest to be provided. (See Detailed drawing attached). The Front of the Computer Counter shall have decorative finishing in ply and laminate as shown in the drawing attached, as per approved design and direction of the bank/ Architect.	R.Ft.	19.00		
10	<b>Cash counter</b> :- Size 5'0"x6'0"x3'8" (LxWxH) , table top should be in two levels, the top level shall be 1.5' as customer top at 3'10" level. The front shall be 12 mm thick toughened glass up to 7" level. All exposed glass face to be machine polished. The counter shall be made of 19mm bwp ply board, with 01mm laminate as per drawing detail enclosed. storage unit with drawers, and keyboard and pencil drawer on chair side, cable manager, and laminated apron to match décor. Drawer unit and verticals made out of 18mm ply board with keyboard drawers and 3 cash drawers (18"Wx24"Dx8"H) with note separator made out of 18mm ply board for footrest finished with enamel paint. All drawers to be provided with Godrej lock & SS handle of approved make. The back side of front faced, drawer front shall be finished with 1mm laminate as per drawing enclosed. The inside shall be French polished.	R.Ft.	10.00		
11	(NOTICE BOARD) Providing and fixing a notice board near the Waiting area, frame to be made of 1st quality hardwood, and in-fill of 12 mm thick Celotex, board, duly covered with "Matte" quality cloth of approved colour and make. Visible surfaces of Frame to be painted with "Premium 1st Quality Paint" in approved colour and shade, and internal frames and internal surface of celotex board to be painted with priming coat. The frame is to be securely fixed to the wall, all complete as per directions for the Architect / Employer. Size: 3'-6" x 2'-0".	Each	2.00		

12	Main Entrance Door: Full ht. Glass Partitions (WITH DOOR) Entrance side Providing and fixing 12 mm thk. full ht. Toughened Glass partitions with etched horizontal liner of 1"ht. and 1/2" clear space in between as per design. Rate should be inclusive of additional Aluminium profile fixed in the flooring and above finished false ceiling level with necessary patch fittings as required to hold the glass partition. All exposed edges surfaces should be machine polished edges. The Rate shall be also inclusive of floor spring, necessary hardware, 2'-0"ht. Mild steel door handles with floor locking arrangement of 12 mm dia. etc. Complete as per designs and details from the Architects. The rate shall be inclusive of Horizontal Etched Lining in between 3' to 6' ht. horizontal etched lining of 1" frost and 1/2" clear as per design etc. complete. Supplying and fixing banks logo – sticker as per drawing and design. Glass wall as per design and instruction by Architect/Engineer	S.Ft.	120.00		
13	(SUGGESTION BOX) Providing and fixing one suggestion box, made with 12 mm ply as per standard design and specifications of the Bank, fully complete, with enamel painting, lock, lettering on top, etc.	Each	1.00		
14	Providing and fixing Cheque writing/slip rack projected/supported from wall 6'0" x 1'-3" and a C.T. as per design with suggestion box, first aid box, suggestion box.	Each	1.00		
15	(CHECK DROP BOX) Providing and fixing one suggestion box, made with 12 mm ply as per standard design and specifications of the Bank, fully complete, with enamel painting, lock, lettering on top, etc.	Each	1.00		
16	<b>FALSE CEILING</b> i) <b>Gypsum board false ceiling with Vertical band /drop of 6"</b> <b>Gypsum board false ceiling with Vertical band /drop of per detail drawing &amp; instructions of Architect</b>				
	Providing and fixing in position Gypsum Board False Ceiling including Two coats of Plastic emulsion Paint of appd. quality as per manufacturer's specifications and instructions with 12.5 mm thick 'Gypboard' Screw-fixed to the underside of suspended G.I. grid. G.I. grid should be Constructed and suspended from the main ceiling as per manufacturer's instructions and as per specifications using Original Co. Specified Framework Sections G.I. 24 gauge. The Gypboard should be fixed to G.I. grid with 25 mm long Drawali Screws. The 'Gypboard' to be used should be 12.5mm thick tapered edge boards. The boards should be taped and filled from underside to give smooth, seamless ceiling. The rate should include necessary additional ceiling sections and intermediate channels openings for light fixtures, A.C. ducts, vertical drops, offsets, etc.				
	Additional Intermediate channels should be fixed to strap hangers for additional support to prevent strap hangers from buckling/swaying at every 1200 mm. Item to be completed in all respect including necessary sleeves for ducts finishing of joints cut outs supports for A.C. grills, light fixtures, speakers etc. Make: Gypsum board (ICI) Gypsum, Paint- Asian/ ICI The rate should include necessary additional ceiling sections and intermediate channels openings for light fixtures, A.C. ducts, vertical drops, offsets, and with two coats of putty, two coats of approved primer and three coats of approved lustre paint	SQ.FT.	400.00		
ii)	<b>Grid False Ceiling</b>				

	Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 99%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per BS 476 (part-4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600 mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) 30, 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm diameter threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall SS screws. The work shall be carried out as per specifications, drawing and as per directions of Engineer-in-Charge	SQ.FT.	506.00		
17	Column Panelling : Column & Wall panelling within 1 1/2"X1" hardwood fixed to the column and then finished with 6mm ply & also should be laminated with 1.5mm laminate of approved make and as per drawings and instruction of the architect. A wooden cornice of size 3"X2" has to be fixed on the edge and around the pillar as per design duly polished as per instructions of the Architect. (upto 7'0" height)	SQ.FT.	175.00		
18	vertical blinds : Providing & fixing levelor 10mm vertical blinds having top rail 39mmX34mm hgh with wall thickness of 1.2mm having 25mm decorative insert. Control unit shall be of Derlin. Plastic runner shall be moulded from Derlin plastic with artification head rail & the top end of the louver fabric shall be polyster viscose/polyster yarn dyed in fast colour with or without protective coating on louvers with chemical for stain resistance and soil repatancy and shall have GI weight and steel/polymer ball chain for spacing. The top rail should be fixed on bracket of 14 SWG galvanized spring steel fixed firmly on walls by rawl plug and screw as per approved design and direction of the Architect.	SQ.FT.	84.00		
6	Sutter covering with ACP (aluminium composite panel) of approved color & make with the provision of rolling shutter maintenance trap door. allcomplete job as per standard & specification.	SQ.FT.	75.00		
	TOTAL				
	Notes:-				
	Contractor to Note that -				
a)	Footrests to be provided (laminated) with each table / counter without any extra charges. @ 1 per person.				
b)	Extra members, wherever required for stability / otherwise, to be provided with the required finish without any extra charges				

BOQ OF INTERIOR DESIGN AND FURNITURE WORKS FOR UNION BANK OF INDIA, ATM , DAV BRANCH				
Sl. No.	DESCRIPTION	UNIT	QTY.	RATE
				AMOUNT

1	Paneling in the CD room providing & fixing in position .ACP (Aluminium Composite panel) with framing of aluminium tube section of min1.5"x1"and 20 gauge 2'-0" c/c both way .ACP to be in 2' wide or distributed equally .panel to be fixed to the frame with 3m or equivalent adhesive .joints to be finished with silicon based sealant .ACP thicknessof 3mm.	S.FT.	190.00		
2	Providing &fixing .ATM Grouting	No.	0.00		
3	Providing &fixing Back room partition ACP. (Aluminium Composite panel) with framing of aluminium tube section of min1.5"x1"and 20 gauge 2'-0" c/c both way .ACP to be in 2' wide or distributed equally .panel to be fixed to the frame with 3m or equivalent adhesive .joints to be finished with silicon based sealant .ACP thicknessof 3mm. (Back side covered with 6mm BWR ply )	S.ft.	70.00		
4	Main Entrance Door: Full.ht.Glass Partitions (WITH DOOR)Entrance side Providing and fixing 12 mm thk. full ht. Toughened Glass partitions with etched horizontal liner of 1"ht. and 1/2"clear space in between as per design .Rate should be inclusive of additional Aluminium profile fixed in the flooring and above finished false ceiling level with necessary patch fittings as required to hold the glass partition. All exposed edges surfaces should be machine polished edges. The Rate shall be also inclusive of floor spring ,necessary hardware 3'-0"ht. Matt steel door handles with floor locking arrangement of Engineer, etc. Complete as per designs and details from the Architects.The rate shall be Inclusive of Horizontal Etched Lining in between 3' to 6' ht. Horizontal etched lining of 1"frost and 1/2" clear as per design etc. complete. Supplying and fixing banks logo – sticker as per drawing and design. Glass wall as per design and instruction by Architect /Engineer	S.FT	70.00		
5	(FALSE CEILING)Providing & fixing false ceiling at all heights with GRG (Glass Fibre Reinforced Gypsum) false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having moisture content less than 2%, humidity resistance of 95%, NRC 0.50 to 0.75 as per IS 8225:1987, Non combustible as per IS 476 (part-4)-1970 and light reflectance of 85% (minimum) to be laid in true horizontal level suspended on inter-locking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T members of size 15x32 mm of length 3000 mm, cross - T of size 15x32 mm of length 1200 mm and secondary intermediate cross-T of size 15x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 120 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall SS screws. The work shall be carried out as per specifications, drawing and as per directions of Engineer-in-Charge	S.FT	63.00		
6	<b>Shutter covering</b> with ACP (aluminium composite panel) of approved color & make with the provision of rolling shutter maintenance trap door . allcomplete job as per standard & specification	SQ.FT.	75.00		
7	Aircon Louvers (P and F 6" powder coated aluminium Louvers.)	SQ.FT.	2.00		
8	Providing and applying of 2 coats of enamel paint to existing shutter both side	SQ.FT.	0.00		
9	Perforated Bin, steel Dustbin: Size 18" high x 12" in diameter, MS perforated powder coated Rubber gasket on the floor end of the Bin, Bin grouted on the floor	EACH	1.00		
10	Providing footmat/doormat of size 36" X 24"	EACH	1.00		
11	Painting ATM back room :- Providing and apply two layer of wall putty with primer and paint with plastic emulsion paint three coat over the wall putty of approved brand and manufacturer( Asian and Nerolac) of required colour to give smooth/silky look surface on wall, as per approved design and direction of the bank/Architect	SQ.FT.	0.00		

	<b>TOTAL ATM WORK</b>
	<b>SUB TOTAL (BRANCH+ATM)</b>
	<b>G.S.T(Extra as applicable)</b>


S.NO.	<b>List of Approved Makes of Materials</b> Description of material
1	Plywood/Block board (BWP)
2	Laminate
3	Glass
4	Vertical blinds
5	False ceiling
6	Flush door shutter
7	Veneer
8	Wooden flooring
9	Lock/Door Closures/Hardware
10	Screws
11	Paints
12	AC grill
13	Channels ,Slides, Fitting
14	Aluminum Section (If Required)
15	Floor springs
16	Melamine Polish
17	Wood preservatives
18	Calcium Silicate Board

Particulars	Make /Details
6mm, 9mm, 12mm, 19mm	Kitply:- Kitply Gold Astun:-Austin Gold Mayurply :- Mayur Gold
1.0 mm	Greenlam/Century/ Newmica
6mm, 8mm,10mm,	Modi /Saint gobain Vista Universal
	USG Boral/Saint gobain/Hicem
	Green ply /Century ply/ kitply
4 mm	Century/ Green/
10mm,15mm	(Mikassa ) Green lam
	Godrej/Dorset/Hardwyn
	GKW / Mettle fold /Netfold
	ICI/ Burger/ Nerolac/ Asian
	Air products/Omicron/Patrawala
	Ebco/Hettich/ Godrej/dorset
Powder coated finish	Jindal/Indal
	Hyper/ Dorma/Hardwyn/dorset
	Asian paint. Nerolac
	Woodguard, PCI. Black Japan
12mm	Hilux



