PPROPOSED INTERIOR ,FURNISHING ,ELECTRICAL AND A.C. WORK FOR INDIAN BANK AT PILIBANGA BRANCH, HANUMANGARH BRANCH.

TOTAL ESTIMATE OF PROJECT

1	**INTERIOR FURNISHING WORK**		
2	**ELECTRICAL WORK**		
3	**A.C. WORK**		
		Sub-total (1,2,3,4)	
G.S.T. EXTRA			

ESTIMATE OF PROPOSED INTERIOR & FURNISHING WORK AT INDIAN BANK AT PILIBANGA BRANCH, HANUMANGARH BRANCH.

S.No	Title	Description	Unit	Quantity	Rate	Amount
		False ceiling				
1	Gypsum False Ceiling	A) P&F false ceiling with Gypsum Board 12.5mm thick fixed to a metal frame comprised of ceiling channel of size 80mm X 26mm X 0.5mm @ every 450 cms centres, inter channel 45mm X 15mm X 0.9mm @ every 1220mm centres, peri-meter channel 20mm X 26mm all along the wall, strap hanger suspendeds 25mm X 0 5mm with nuts and bolts 6.4mm x 12.7mm, connecting clip 2.64mm thick, dry walls screw 25mm long , soffit cleat. 27mm X 37mm X 25mm X 1.6mm thich and dash fasterner/ rawl plug 12.5mm dia X 35mm long with 6mm dia bolt. The joint of gypsum board to be taped 3 times and sealed with jointed compound with three coat plastic emulsion paint finished. Cut-out are provided to accommodate luminaries, air conditioning grills and fire warming dectors if any. The rate to include two or more coats of approved paint after preparing the surface. All fitting to be separately hung from the ceiling and should not rest on the false ceiling.	Sqm.	52		
2	Grid False Ceiling	The grid false ceiling shall be provided in the Banking Hall, Manager's etc. The ceiling height and level shall be determined at the perimeter. The minimum height of the ceiling cavity should be 100mm. All service fittings integrated within the suspended ceiling must be independently supported from the ceiling grid by a structure designed for the purpose. **Ceiling tiles** Shall be Armstrong Fine fissured Classic lite RH99 of 16mm thickness. Suspension system Shall be of Armstrong Trulok Silhouette reveal profile grid system with 15mm flanges incorporating 3mm central recess in global white with black reveal. Silhouette main runners and cross tees to have mitred ends and "birdsmouth" notches to provide mitred cruciform junctions. ♦ **Installation** Main runners will be placed at 1200mm centers securely fixed to the structural soffit by approved hangers at 1200mm maximum centers and not more than 150mm from spliced joints. The last runner at the end of each main runner should not be greater than 600mm from the adjacent wall. 1200mmm long cross tees to be interlock between main runners at 600mm centers to form 1200x600mm modules. Cross tees longer than 600mm require independent support. 600x600mm modules to be formed by fitting 600mm long cross tees centrally between the 1200mm cross tees. The 1200mm cross tees to have central "birdsmouth" notches to facilitate fitting of 600mm cross tees. The perimeter trim to be Armstrong Trulok equal wall angle of white color secured to walls at 450mm maximum centers.	Sqm.	62		
		Full Height Partition				
3	Full Height Partition (Wooden with Laminate)	providing ,fabricating & fixing of **partition** made out with unanodised ALUMINIUM Framework consisting of 2" X 1"section placed at min 2'x2' horizontally & vertically (as per site requirment) with 12mm thick ply finished with 1mm thick approved make shade laminates on bothing sides. The sides /top shall be finished with teak wood beading (3"x 1") with PU finish . This partition will be 3' ht. with up to 15" ht. 12mm thick clear glass / of aqua blue shade (approved make).				
		Partition as above in Sqft. (top width including partition glass & ht. will be measured for payment)	Sqm.	5		
4	Low Height Partition (Wooden with Laminate)	providing fabricating & fixing of partition made out with unanodised aluminium Framework consisting of 2"x1" placed at min 2'x2' horizontally & vertically (as per site requirement) with 12mm thick ply finished with 1mm thick1mm thick approved make shade laminates on both sides. The sides / top shall be finished with teak wood beading (3" x 1") with PU finish. This partition will be upto 3' ht. with 18" ht.12mm thick toughened clear glass (approved make). The partition shall also be provided with 12mm toughened glass partition between counter upto 4'-6" ht. with 6" x 3" x15" pillar. (Partition in sqft. including glass ht. & width will be measured for payment)	Sqm	24		
5	Toughened glass	Toughened glass partition 12mm thick clear glass between customer & stafff / officer upto 15" ht. for transaction area including fixing with SS braket complete. The rates to include providing of 3M film as per approved pattern/ Design.				
		Toughened glass as above in Sqm.	Sqm.	5		
		Wall Finishing / Panelling				
6	column /wall panelling (Laminate)	Providing & fabricating of coloumn / wall panelling made out with un-anodised aluminium Framework consisting of 1" x 1" pipe placed at min. 2'x2' horizontally & vertically (as per site requirement) with 12 mm water proof PLY . aluminium Framework with PLYWOOD Board skinning 1mm th. mica of approved shade over the columns / wall & necessary vinyl prints , jali work etc. as per approved drawings. The rates are including the design provided in the approved drawing.	Sqm.	42		

7	ACP wall panelling	Proving and fixing in position electrical fire proof Aluminium composite panel Boxing with PVDF coating & LDPE core laminated Eurobond / Altobond/ Alukbond Exterior Grade 4 mm thick with composite of (0.5mm - 3mm- 0.5mm) including fabrication for the same with aluminium sections, required hardware, silicon sealent (Dow Corning 789) masking tape, necessary scafforlding etc. complete in all respects.	Sqm.	39		
		TABLE/ COUNTERS & RACKS				
8	branch head table	Supply & fixing in postion branch head table (size 3' x6') made out of 19 mm thick BWR board with 1 MM Approved make laminate on table top complete.Drawers shall have ball bearing slides & locks etc. complete internal surface shall be finished with 1.00 mm thk. Approved make laminate. each table shall have the provision of key board with ball bearing slides Arrangement 12mm in Toughened glass top & 12mm in Toughened glass modesy panel .The provision of side TABLE (upto 4' x 2.5' as per site) is included in the rate . The Design will be as per drawing approved	No.	1		
9	officer table	Supply & fixing in position **sales** / **officer's table** (size 4'-6" X 2'6") made out of 19 mm thick board with 1 mm Approved make laminate. each table shall have the provision of key board with ball bearing slides Arrangement.12mm in Toughened glass top & 12mm in Toughened glass modesy panel. The table top & side table will have glass of 10 mm th. with 1" beveling is also included in the item .	No.	2		
10	officer table	Supply & fixing in position **sales** / **officer's table** (size 5'-0" X 2'6") made out of 19 mm thick board with 1 mm Approved make laminate. each table shall have the provision of key board with ball bearing slides Arrangement.12mm in Toughened glass top & 12mm in Toughened glass modesy panel. The table top & side table will have glass of 10 mm th. with 1" beveling is also included in the item .	No.	1		
11	Banking Counter (with Laminate Top)	Same as above excpet 1 mm Approved make laminate instead of laminated top Counter as above in Running meter	RM	1.75		
		STORAGE CABINET				
12	Side cabinate (Laminate top)	Providing and fixing wooden storage 450 mm wide having sides, partitions shelves and shutter made of 19 mm th. Board with 1 mm th. Approved make laminate with all other exposed internal / external surface provided with Duco paint with melamine coating complete with side hinged sutter complete with handles , locks etc. (for the purpose of contractor's payment only front elevation area of a cabinet will be measured .	Sqm	23		
		TOUGHNED GLASS WORK				
13	12 MM TH. TOUGHENED GLASS PARTITION	FULLY GLAZED 12 MM TH. TOUGHENED GLASS PARTITIONAs above item no 1 Aa (both side gyp.board finished partition but partition shall have 12 mm th. Toughened plane glass fixed with 1 1/2" x 1" teak wood moulding finished with white high gloss laminate 4mm teak wood veneer finished with stainless steel "D" Brackets etc . Complete as per detailed drawing & innstuction of Architect /Engineer .	Sqm	13		
14	12 MM TH. TOUGHENED GLASS Door	12 MM TH. TOUGHENED GLASS Cabin door providing & fixing main doors/cabin made out of/cabin door made out of HNG/ Asahi India MAKE 12 MM TH.toughened plain glass in single piece with computrised diamond cut & diamond edge polish including making required cutout holes for lock , handles , pivot patch fitting , corner fitting hinges etc. the rate is inclusive of patch fitting of dorma make floor spring ,pivot patch fitting with cover plate locks handles , singsges with necessary hardware Etc. as per intructions of Architect/Engineer.	SQM	5		
		FINISHING WORKS				
15	DOOR CLOSURE	providing & fixing door closure of Godrej/ Dorma/ Ozone of two speed (heavy duty , light weight thin. Type code : 3976) as approved by etc.	No.	3		
16	Louver Shutter for electrical panel	Providing & fixing Shutter Boxing for rolling shutter made 19mm thick fire resistant boards such as Bison board etc. finished with 1.0mm thick Approved make laminate including hinged cover as per approval of Architect / Bank's Engineer.	Sqm	4.5		
17	3M Frosted Film	Providing & fixing in position '3M' make frosted glass film in stardust range fixed to glass as per pattern. Area of application to be measured as maximum length x maximum height of application on that particular piece of glass.	Sqm	25		
18	FLUSH DOOR	Providing and fixing flush door with 35mm water proof door with 1mm high glass laminate (of approved shade) on both sides The item includes 75C50mm TW choukhat , 7 lever mortise lock, SS handle, stopper hinges, paint/polish etc complete	Sqm.	5		
19	Notice Board	Notice Board -600 X 1200 MM	No.	2		
20	writing ledge	writing ledge 3'6" x 1'9"	No.	1		
		Total Excluding GST (A)				

ESTIMATE OF PROPOSED ELECTRICAL WORK AT INDIAN BANK PILIBANGA BRANCH, HANUMANGARH BRANCH.

PART B : ELECTRICAL WORK:-					
	General Notes:-				
a)	Rates to include all scaffolding, carriage of materials to and from the site in lead of beyond 5 kms, and working in a running branch premises.				
b)	Wire Routing provided through the walls / floor / roof etc., rates to include cutting of wall and refinishing the same finely complete.				
c)	Points include complete length of wiring, conduiting and accessories upto designated places as per the design and drawings.				
d)	Electrical contractor shall have to make the layout for cutting of lights etc. at site.				
e)	All newly done electrical wiring/ DB/points/ earthing etc. will be used as per instructions of architect/ engineer.				
1.	**LIGHT & FAN POINTS:-**				
	P & F light points, fan points, call bell points, sockets etc. with 2 X 1.5 sq. mm. PVC insulated 1100 V grade FRLS, copper conductor wires and 1.0 sq. mm copper earth wire in concealed / surface using ISI mark medium guage MS pipes of 25 mm dia 1.50mm thick conduits accessories such as bends, tees saddles, draw boxes, mounting boxes, innerplates, cover plates, ceiling rose etc. (where ever required) and plug etc. The circuit wiring starting from DB to point control box / switch box using 2 X 2.5 sq. mm and 1.5 sq. mm earthing PVC insulated wiring color code to be provided. Identification ferrules at both end to be provided. (Flexible conduit / elbow NOT allowed). The conduits to be fixed in ceiling with proper clamps / wall / floor and felling the chase with cement mortar and finish the same in original form / wooden partition / above false ceiling with proper clamps (Wherever required as per standard specifications)				
	SWITCH & SOCKET - NORTH WEST (PC Plus)/ MK (Wrap around)/Anchor (Wood)/Havells (Crabtree)/ABB(Classic Luminia)/legrand **Steel Conduit:- AKG/BEC/JINDAL/STEEL KRAFT**				
	Notes:-				
	All wires shall be FRLS only (Polycab/RR/Finolex/KEI)				
	All material shall be approved make as mentioned in the tender.				
	Color codes must be maintained				
	No flexible conduit & elbows will be allowed.				
	Each circuit shall have independent earth wire.				
	Each point must be seperataly earthed.				
	Circuit wiring is to be included in point wiring rates.				
	One S.B. can have max. 10-12 switch including 6 Amp. Socket				
	Boxes fixed in the wooden/ plywood partitions may be PVC				
(a)	One point controlled by one 6 Amp. Modular switch & switch board at SB level	Nos.	30		
(b)	Two points controlled by one 6 Amp. Modular switch & switch board at SB level	Nos.	10		
(c)	Wall fan/ Exhaust fan point controlled by one 6 Amp. Modular switch & switch board at SB level and 6 Amp. 3 pin socket at designed place.	Nos.	10		
(d)	6 Amp. Socket with switch & light indicator at switch board places.	Nos.	10		
(e)	Call bell point with anchor make Ding Dong Bell	Nos.	1		
(f)	One ceiling fan point controlled by one 6 Amp. Modular switch & switch board at SB level with 5 step electronic regulator, extension rods up to 1 meter	Nos.	4		
(g)	Emergency Light point (On UPS) (Including separate phase, neutral, earth) and to be in separate switch boards.	Nos.	3		
2.	**POWER POINTS :-**				
	Same as item no. 1, including providing & fixing 16 Amp. 6 pin sockets with 16 amps switch with wiring by using 2x4 sq. mm PVC insulated copper conductor wire with independent 2.5 sq. mm earth wire from D. B. to first 1st socket and 1st socket to 2nd socket with 2.5 sq. mm and 1.5 sq. mm earth wire including providing and Fixing complete in all respects.				
(a)	Power point (Direct) with 2x 4.0 sq mm copper conductor wires.	Nos.	6		
3.	**A. C. POINTS :- C&S/Havells/Legrand/HPL/ABB**				
(a)	A.C. point wiring with 2 X 4.00 sq. mm insulated copper conductor wire (FRLS) & 1 X 2.5 sq. mm copper conductor wire for earthing from AC DB to AC point in 16 swg GI conduit AC point including supplying and fixing of module A.C. Box with 3 Pin metal clad pin top and 25/32 Amp. SP MCB "C" series. **(Wiring must be from DB to stablizer to MCB near indoor unit to Indoor Unit.)**	Nos.	6.00		
4.	**DISTRIBUTION BOARDS :-**				
	P & F sheet metal distribution boards of approved make double door type and making necessary connections etc complete with all MCBs of C series 10 KA. (LEGRAND/ SCHNEIDER/ SIEMENS/C&S/HPL)				
	All MCB`S must be 'C' series, 10 KA				
	T P N 4 WAY DB :- (For Lighting)				

	Having Incomer : 40 Amp. 4-P MCB				
a	OUT GOING : 10 Amp. SP MCB - 12 NOS	Nos.	1.00		
	T P N 4 WAY DB :- (For Power/ AC)				
	Having Incomer : 63 Amp. 4-P MCB				
b	OUT GOING : 16 Amp. SP MCB - 12 NOS	Nos.	1.00		
	T P N 4 WAY DB :- (For A.C.)				
	INCOMER: 100 Amp. 4 P, Heavy Duty MCB				
c	S P N 10 WAY DB :-				
	SP MCB 6 Amp = 8 Nos. DP MCB 63/40 Amp = 1 NOS.	Nos.	1.00		
5.	**LIGHT & FAN FIXTURES :-**				
	P & F light fixture & accessories as per the following details and making connections, assembling, fixing, testing & installation with 3 years warranty.Following Fixtures including all accessories & extension chords as maybe necessary complete. All CFL / Flurescent fixtures (except down lighters) to be hung from the RCC ceiling by sitable chain / rods) all to fixture rates to include 3 years warranty. Including all removing, shifting, repairing, fixing, welding, cutting, instalation, testing, commissioning work of existing or proposed items for the folowing work. Including making good, proper finish of walls, floor and roof with masonary, R.C.C., plaster, pop, puty, primer, paint, etc. complete in all respects. Including color temp. for light fixtures must be 6500k. Dealer authorisation certificate with invoice detail required. Technical specification minimum 100 lumens per watt, Pf>.90, THD<20%				
(a)	Philips RC 380B LED Full glow 24" X 24" (6500K)/BAJAJ/OSRAM/HAVELLS	Nos.	28.00		
(b)	Philips Green LEDi 15 Watt DN 194 B (6500K) /BAJAJ/OSRAM/HAVELLS/HPL	Nos.	12.00		
(c)	Philips LED Tube lights 18 W/ 22 W (6500K) /BAJAJ/OSRAM/HAVELLS/HPL	Nos.	10.00		
(d)	**METAL BODY Wall fan 400 mm** - Crompton High flow of capacitor start, three speed wall mounting/cabin fan of following sweep with the help of anchor bolts including making connection testing etc. as required. Each wall fan should be connected through independent switch and socket of 6Amp.(Crompton/ Almonard/ Usha/ Havells) **USED ONLY METAL BODY WALL FAN**	Nos.	7.00		
(e)	Exhaust fan 300 mm - Crompton/ Almonard of Heavy duty capacitor start 1400 RPM single phase ISI marked Exhaust fan, IS:2312 marked including making opening if required, making connections testing etc. as required.(Crompton/ Almonard/ Usha/ Havells)	Nos.	3.00		
(f)	P&F of ceiling Fan Metal body 4800 mm Sweep (Crompton/ USHA/ Bajaj)	Nos.	3.00		
6.	**CABLES WIRES :-**				
	P & L heavy duty armored cable on saddles wherever exposed and with aluminium lugs, cable termination with gland, aluminium lugs properly crimped, etc. complete. Including reusing of the existing cables wherever required as per direction of Bank Engineer/ Architect, vendor is bound to execute the items. All existing and proposed cables to be lay out in existing cable tray. Complete in all respects as per direction of Bank/ Architect.				
	XLPE Cable (Polycab/ Finolex/ RR/KEI)				
a	3.50 core X 35 sq. mm Al. armoured cable with 2 X 8 SWG G.I. wire in PVC conduit for earthing including cables termination with gland, Al. lugs properly crimped of required size.	Rmts.	30.00		
b	4.0 core X 10 sq. mm Al Armoured cable for UPS to UPS DB including cables termination with gland, Al. lugs properly crimped of required size. (UPS OUTPUT TO UPS DB) & (UPS INPUT TO UPS DB)	Rmts.	50.00		
c	4.0 core X 16 sq. mm AL Armoured cable for UPS to UPS DB including cables termination with gland, Al. lugs properly crimped of required size. (UPS OUTPUT TO UPS DB) & (UPS INPUT TO UPS DB)	Rmts.	45.00		
7.	**U.P.S. POINTS & CIRCUITS :-**				
	P & F ups points in 2 mm thick PVC conduit with 2 X 2.5 sq. mm insulated copper wire along with 1 X 1.5 sq. mm PVC insulated wire for earthing including bends, nipples, junction, M.S. switch boxes each to have 3 nos. 6 A 5 pin modular socket 1 X 6 A indicator controlled by 1 X 16 A modular type switch compl fine finish incl. making necessary connection & start of equipment as per details. Complete in all respects as per direction of Engineer/ Architect. Make as specified above)				
(a)	DIRECT POINT	Nos.	16.00		
8.	**EARTHING :- (Ashlok, JK, Ash, REIL)**				
(a)	Supply and installation of pipe-in-pipe technology Copper Earth Electrode earthing system modelt-39 with outer diameter of 80 mm length 2000 mm embedded in the soil with masonary inspection pit along with cover etc. complete in all respect. The work should be got carried out through bank's authorized Company only. Each pit installation test certificate to be submitted after measurement of earth resistances as per the provision in IS 3043 (ups out DB earthing). The inspection pit should be visible and at a proper place.	Nos.	2.00		
(b)	P & L 2 X 8 SWg copper earth wire at designated place in PVC conduit (Pit to Panel/ Pit to UPS)	Mtrs.	50.00		
9	**MAIN PANEL FOR SMALL BRANCH :-**				

	Designing manufacturing, installing, testing and commissioning of cubical type MAIN PANEL **CPRI** approved made from 16 SWG CRCA sheet steel, "type base M.S. channel for grouting on floor complete with MCCB, MCBs, meters, C.T., etc. complete in all respect, insulated bus bar with near shrinkable PVC sleeve in suitable bus bar chamber, wiring, name plates, danger plates, earth bus etc. & comprising of compartments with hinged doors and rubber gasket, bus bar chabmer with bolted door and rubber gasket etc. the panel being of dust & vermin proof construction and to be painted with primer and smoke gray paint (minimum two coats) to look attractive. The panel should be comprising with the following : (Degree of Protection IP-54)	Nos.	1.00		
	INCOMER: -				
	ALL MCCB SHOULD HAVE 25 KA SHORT CIRCUIT CURRENT CAPACITY (C-CLASS) (Legrand/ HPL/ C&S/siemens/ABB/ Schneider)				
(i)	150 Amp 4 - P, MCCB (3 Phase) 1 Nos.				
(ii)	100 Amp 4 - P, ON LOAD change over switch				
(iii)	250 Amp. Capacity aluminum bus bar for ATM & system room heat shrinkable proper insulation with heat shrinkable proper insulation with color coded. Analog ammeter and voltmeter with selector switches three number indicating lamp R-Y-B Phase indicators with 2 amp. back up HRC fuses & Energy Meter with KWH and PF indication (Back up Fuse protection)				
	OUT GOING : -				
	ALL MCCB SHOULD HAVE 25 KA SHORT CIRCUIT CURRENT CAPACITY				
	DOUBLE BUS BAR PANEL				
	DG SUPPLY ONLY FOR LIGHT, POWER, UPS, ATM ONLY				
	A.C. SHOULD NOT OPERATE ON DG SUPPLY				
	All MCCB must have 25 KA S.C. current capacity				
	All outgoing feeder should have separate door and compartment.				
	Each outgoing feeder shall be with indicator.				
(i)	100 Amp 4 - P, MCCB (3 Phase) 1 Nos. (A.C.)				
(ii)	63 Amp 4 - P, MCCB (3 Phase) 3 Nos.				
	(Power, light. A.T.M., UPS)				
(iii)	16 Amp DP, MCB (1 on each Phase) 1 Nos.				
(ii)	63 Amp 4 - P, MCB (3 Phase) 2 Nos.				
	(Power, light. A.T.M., UPS)				
10	S, L, T, I, C Telephone point with cat 6 cable telephone cable from main supply to various counters, tables, walls, partitions, etc.with colour coading identification on both ends. Including 0.6 mm dia annealed with tinned screen protected CU conductor PCC sheathed 2 pair telephone cable in PVC conduit 2.00 mm thk. conduit as required. Including S & F modular type plate with telephone outlet box and RJ-11 sockets with housed in zinc passivated box/ PVC box with suitable connector strip in reseced wall/ partition as required. S & F modular type telephone outlet 1 pair coaded outlet.	Nos.	5.00		
11	Computer networking points with 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identifica				
(a)	Computer networking points with 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification with necessary tools for punching, stripping, crimpping and testing required. Cost including Faceplate for Flush Mount Information Outlets Single Aperture with screw hole covers & Icon Tree Size 86mmX86mm including pvc/ ms box. **(Cat 6 cable: Molex/ Avaya/Penduit/AMP) (Face plate i/o : Molex/ Avaya/Penduit/AMP)**	Nos.	16.00		
b	1 m patch coad	Nos.	10.00		
c	2 m patch code	Nos.	6.00		
d	P,F,T,I,C, Etc. of Data/ server rack of 9U Rack with all required accessories complete in all respect.	Nos.	1.00		
e	24 port patch panel for rack with all accessories	Nos.	1.00		
				Total (B)	

NAME OF WORK: - AIR-CONDITIONS INDIAN BANK AT PILIBANGA BRANCH, HANUMANGARH BRANCH.

S.N	Item	QNTY	UNIT	Rate	Amount
	AIR-CONDITION WORK:-				
1	**DRAIN PIPE:-** Condensate drain water piping 1" Dia Rigid CPVC drain pipe of 6 kg/cm2 with 6mm thick nitric rubber insulation Duly insulated in to vertical surface to nearest drain trap to be laid concealed. Condensate drain water piping 2" Dia PVC Duly insulated in to horizontal surface to nearest drain trap to be laid concealed.	65	RMTt.		
2	**REFRIGERANT PIPE :**- P& F electrical wiring 3x6 sq mm copper FRLS wire only and refrigerant piping above 10 RFT Copper refrigerant piping duly insulated with elastomeric nitric rubber 9mm, tubular insulation between each set or indoor and outdoor unit for the above mentioned units to interconnect indoor unit and outdoor unit. (5/8 inch & 1/4 inch)	90	RMTt.		
				TOTAL	