

PROPOSED AMRIT PHARMACY AT NEIGRIHMS, SHILLONG

SUMMARY OF COST - INTERIOR, ELECTRICAL AND OTHER SERVICES WORKS

SL.NO.	DESCRIPTION	AMOUNT (RS.)
	CIVIL & INTERIOR WORKS	
1	FLOORING / CLADDING	
2	PARTITIONS & PANELLING	
3	DOORS & HARDWARES	
4	CEILING	
5	FIXED STORAGES	
6	PAINTING & FINISHING	
7	GRAPHICS & SIGNAGES	
8	MISCELLANEOUS WORKS	
	SUB TOTAL	
	ELECTRICAL & OTHER SERVICES WORKS	
9	INTERNAL WIRING	
10	LIGHT FIXTURES	
11	T.V., TELEPHONE SYSTEM & LAN SYSTEM	
12	CCTV SYSTEM	
13	UPS SYSTEM	
14	AC UNITS	
15	MISCELLANEOUS ITEMS	
	SUB TOTAL	
	GRAND TOTAL	-

**BILL OF QUANTITIES FOR CIVIL & INTERIOR WORKS
AMRIT PHARMACY AT NEIGRIHMS, SHILLONG**

Sl.No.	Item	Unit	Qty	Rate	Amount
A	FLOORING / CLADDING				
1	CARPET FLOORING: -P&F of modular carpet tile, made of 100% Polyamide (also called Nylon) yarn, manufactured in Europe (no Asian manufacturing acceptable), primary backing of 100% recycled material Col-back®, secondary backing of Back2Back: Modified bitumen enhanced with a thermoplastic elastomer, reinforced with a glass fibre fleece covered with 100% PES fleece, with 10% recycled content included. Design intent to be of Modulys range, as finalized by the consultants and the minimum pile weight of 540g/m ² (16Oz/yd ²). It should have minimum total height of 6mm, minimum tuft density of Ca. 186.000 /m ² . The said carpet should be classified for continuous use under chair castors and achieve class: A as per EN985, it should be classified for use under heavy traffic usage and achieve class 33-LC1 as per EN1307, it should dimensionally stable to a max limit of 0.2% as per EN986, it should have fire resistance rating of Bfl-S1 as per EN 13501-1, it should achieve permanent anti-static reading of ≤2kV as per ISO 6356, it should achieve a reading of ≥7 for colour fastness to light as per ISO 105-B02, it should achieve a reading of ≥4 for rubbing fastness as per ISO 105-X12, it should achieve a reading of ≥4 for colour fastness to water as per ISO 105-E01. The said selected modular carpet tile manufacturer should be in a position to furnish valid CRI-IAQ-GLP, ISO9001 (quality), ISO14001 (environment), CRI IAQ GLP (indoor air quality), ISO26000 (CSR) certificates. The said modular tile should carry a warranty for 15 years. All this is to be installed on a smooth and dry sub floor, complete as per drawings and instructions of the consultants. Make:Shaw / Interface / CCIL / Miliken (Basic Rate-2100Rs/SqM)	SqM	5.00		
2	VITRIFIED TILES: Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement & matching pigments etc. complete.				
	Size of Tile 600x600 mm	SqM	16.00		
	SUB TOTAL FLOORING / CLADDING				
B	PARTITIONS & PANELLING				
1	WOODEN FRAME WORK: P/F 50mmx50mm Kail wood frame (Seasoned, anti termite proofed) wood frame for paneling / partition in reception and other areas as per detailed drawing.	SqM	2.00		
2	GYPSUM BOARD PARTITION: Providing and fixing partition upto ceiling height consisting of G.I. frameand required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete. 75 mm overall thickness partition with 12.5 mm thick double skin fire rated board conforming to IS: 2095: part I Make: India Gypsum/Lafarge/Equivalent	SqM	5.00		

BILL OF QUANTITIES FOR CIVIL & INTERIOR WORKS AMRIT PHARMACY AT NEIGRIHMS, SHILLONG					
Sl.No.	Item	Unit	Qty	Rate	Amount
3	PLYWOOD LAYER: P/F of 8mm thk BWP Ply fixed on relevant Frame Work (GI/Merandi Wood frame work). Make:India Gypsum/Lafarge/Equivalent	SqM	2.00		
4	PLYWOOD LAYER: P/F of 12mm thk BWP Ply fixed on relevant Frame Work (GI/Merandi Wood frame work). Make:Archidply,Green ply,Truwood	SqM	2.00		
5	PLYWOOD LAYER: P/F of 19mm thk commercial board fixed on relevant Frame Work (GI/Merandi Wood frame work). Make:Archidply,Green ply,Century	SqM	2.00		
6	MDF LAYER: P/F of 12 mm thk. MDF complete with grooves as per detail finished with grooves.in columns. Edges of MDF to be finshed in the same finish match to main panel.	SqM	2.00		
7	LAMINATION: P/L 1mm thick lamination as per approved colour and texture on ply/board where ever necessary including glue and required hardware Make: Marino / Archid/ Greenlam/Equivalent	SqM	2.00		
SUB PARTITIONS & PANELLING					
C DOORS & HARDWARES					
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	50.00		
2	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge With float glass panes of 8 mm thickness	Sqm	3.00		
3	ROLLING SHUTTER: Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. Size:3000x2400mm				
	80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sqm	8.00		
3.1	Providing and fixing ball bearing for rolling shutters	Each	2.00		
SUB TOTAL DOORS & HARDWARES					

**BILL OF QUANTITIES FOR CIVIL & INTERIOR WORKS
AMRIT PHARMACY AT NEIGRIHMS, SHILLONG**

Sl.No.	Item	Unit	Qty	Rate	Amount
D	CEILING				
1	<p>GRID CEILING :P/F of Mineral Fibre Acoustical Suspended Ceiling System with (MICRO LOOK) EDGE TILES :The tiles-Humidity Resistance (RH) of 99%, NRC 0.7, Light Reflectance >88%, Thermal Conductivity k = 0.052- 0.057 w/m K, Colour White, Fire Performance A2-s1.d0 in module size as/dsgn /19 mm thk with Bio Block coating on the face of the tile, suitable for Green Building application, with Recycled content of 81-84%. The tile shall be laid on 15mm tegular profile grid system as/manufactures standards.</p> <p>INSTALLATION: To comprise main runner spaced at 1200mm centres securely fixed to the structural soffit using same make suspension system at 1200mm maximum centre & not more than 150mm from spliced joints. The First/Last suspension system at the end of each main runner should not be greater than 600mm from the adjacent wall. 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. All Perimeter trim to be of wall angles, secured to walls at 450 mm maximum centres.</p> <p>SUSPENSION SYSTEM accessories consisting of M6 Anchor Fasteners with Vertical Hangers made of Galvanised steel of size 26 x 26 x 25 x 1.2mm .Straightened Hanger wire of dia – 2.68 mm of 1.83 m length., thickness with Adjustable hook clips of 0.8mm thick.The adjustable clip also consists of a 3.5 mm aquiline wire to be used with the main runner.(Service Areas)</p> <p>Make: Amf/Armstrong/Equivalent Tile: 600x600x19</p>	Sqm	25.00		
	SUB CEILING				
E	FIXED STORAGES				
1	<p>MEDICINE STORAGE:P/F of 2400mm high storage unit.600mm deep prelaminate storage unit with 18mm thk prelaminate shelves and shutters fixed with auto hinges to be provided.The height of 600mm deep storage shall be 750mm. 350mm deep storage unit to be fixed between two 150mm wide laminated facia. 300mm wide 10mm thk toughned glass shelves to be fixed with aluminium channel and adjustable holders till 2100mm. In built over head storage unit of 350mm depth 300mm height to be fixed above 2100mm height. Note: Storage unite to include: Shutters of 18mm thk prelimante,18mm thick, back ply, auto closing hinges, individual locks, 150mm lonk 10mm dia "H" handle, adjustable screws.adjustable levers.</p> <p>Make:Greenlam-283 Sky blue /Duro / Marino</p>	SqM	25.00		
2	<p>MEDIUM STORAGE: P/F of prelaminate storage unit of 25mm thk prelam board top with ABS edge banding as sides of the storage as/dsgn.18mm thick prelam board hinged shutter with laminate and handle with individual locks. 6mm thk laminated ply as backing of the unit along with 18mm thk prelam board as adjustable shelves. Size:1200x1800x600.</p> <p>Make:Greenlam/Duro / Marino-701 Rising beech</p>	SqM	15.00		
3	<p>COUNTER:P/P of Double level Counter of 750mm depth and Counter top at 850mm level. 12mm thk acrylic sheet to be used for counter top on 25mm thk commercial ply. 12mm thk "L" shaped laminated strip of 150x200 to be fixed with 12mm thk ply at 850mm. 18mm thick prelaminate shelves to be inbuilt in counter. UPS and inverter shutters to be fixed with aluminium louvers as per dwg. Under counter shorage unit to be fixed with indivual locks and handles as per app. 150mm high SS glossy skirting. 600mm wide laminated door and openable counter top to be part of the counter as per design..</p> <p>Make: Greenlam-173 Barbie Pink, 283 Sky Blue/LG Hausys-G019 Natural Quartzs/Equivalent</p>	SqM	5.00		
4	<p>HIGH STOOLS : P/P fabric seat /back , 5 pronged chrome plated finish base on twin wheel casters with 3600 Swivel gas lift height adjustment, Color of upholstery as per app.</p> <p>Make: Multi Seats/ Geeken/ Featherlite</p>	Nos	3.00		
	SUB TOTAL FIXED STORAGES				
F	PAINTING & FINISHING				
1	<p>ACRYLIC EMULSION PAINT - Apply 3 coats in roller mode-paint wiwth oxy rich 100% acrylic water base coating. Paint shall emit 90% less VOC, Soft sheen, High Scrub resistant, free from lead, Mercury, Chromium. Rate include base preparation as per site conditions.paint, Colour : Blue</p> <p>Make:Berger / Nerolac / Asian</p>	SqM	75.00		
2	<p>DUCO PAINT: P/A Duco Lacquer finish including all subsurface preparation. Basic Rate including application: 650/SqM</p> <p>Make: ICI, Nerolac, Asian, Berger</p>	SqM	75.00		
	SUB TOTAL PAINTING & FINISHING				

BILL OF QUANTITIES FOR CIVIL & INTERIOR WORKS AMRIT PHARMACY AT NEIGRIHMS, SHILLONG					
Sl.No.	Item	Unit	Qty	Rate	Amount
G	GRAPHICS & SIGNAGES				
1	FROSTED FILM : P/A of Anti glare - Dusted and frosted FILM to look like sandblasted or etched glass, Permanent, pressure-sensitive films to have transparent synthetic liner for easy cutting of logos or designs. Basic Rate-1240 Rs/SqM, Rates to include all delivery at site, installation & relevant taxes Make:3M™ Crystal™ Glass Finishes 7725SE-314 Dusted Crystal / Garvare/Equivalent	SqM	3.00		
2	CORPORATE SIGNAGE : LED display board multicolor outdoor signage, LED-P-10 tile, size 5mm oval, box-MS power coated, power suply-220V-AC. Size:2400x450	Nos	1.00		
3	SIGNAGES: Photo luminiscent All signs can be provided on Acrylic, Rigid PVC with reflective Vinyl of different colours, Powder coated or Anodized, Aluminium sheets, Back-lit-vinyl-polycarbonate sheets and also on autoglo Photoluminescent sheets which glow-in-the-dark.size:150x300	Nos	1.00		
	SUB TOTAL GRAPHICS & SIGNAGES				
H	MISCELLANEOUS WORKS				
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	1.00		
2	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.and handing over to the authority in cement mortar	Cum	3.00		
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Each	2.00		
4	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	Cum	1.00		
5	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead : With cement mortar 1:4 (1 cement : 4 fine sand)	SqM	3.00		
6	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 to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade Area of slab over 0.50 sqm	SqM	7.00		
7	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. Granite work	RM	5.00		
	SUB TOTAL MISCELLANEOUS WORKS				
	TOTAL				-

SUPPLY, ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL AND OTHER SERVICES WORKS					
FOR PROPOSED AMRIT PHARMACY AT NEIGRIHMS, SHILLONG					
BILL OF QUANTITIES					
SL.NO	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
SUB-HEAD - I : INTERNAL WIRING					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit with modular switch modular plate suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc.as required.				
	Group C	Point	1		
2	Wiring for circuit/ submain wiring alongwith earth wire with the following size of FRLS PVC Insulated copper conductor, single core cable in surface/ recess medium class PVC conduit as required.				
i)	2x 2.5 sqmm+ 1x 2.5 sqmm earth wire	Meter	75		
ii)	2x 6 sqmm+ 1x 6 sqmm earth wire	Meter	30		
3	Wiring for light/power plug points with 2 x 4 sq.mm. FRLS PVC insulated, Cu. Conductor, single core cable in surface/ recessed medium class PVC conduit along with 1 No. 4 sq.mm. FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Metre	15		
4	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	2		
5	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 3 pin 5/6 Amp modular socket outlet and 5/6 A modular type switch, connections painting etc. as reqd, for Light plug point.	Each	4		
6	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin 5/6 & 15/16 Amp modular socket outlet and 15/16 A modular type switch, connections painting etc. as required.	Each	1		
7	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent /LED fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	1		
8	Supplying and fixing 20A 240Volts SPN industrial type socket outlet with 2 pole and earthed in metal enclosed plug top along with 20A c curve SP ,MCB ,in sheet steel enclosure on surface or in recessed with chanded metal cover for the socket outlet and complete with connection testing and commissioning as	Each	1		
9	Supplying and fixing of following sizes of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required as per specification.				
i)	20mm dia PVC conduit	Metre	30		
ii)	25mm dia PVC conduit	Metre	60		
iii)	32mm dia PVC conduit	Metre	10		
10	Supplying and fixing of carbon dioxide fire extinguisher type 4 kgs. Capacity of approved make with wall mounting bracket as required conforming to IS: 2878/1976 (Push type).	Each	1		
SUB TOTAL - I : INTERNAL WIRING					
SUB-HEAD II - LIGHT FIXTURES:					
1	Supplying of minimum 36 watt LED recessed type (600 mm X 600 mm) extruded aluminium luminaire with heat sink installed back side, high quality diffuser fix in front frame max depth of 10mm total system wattage less than 45W with LED make of Cree/ Nichia(36X1W LED) operating at 350 mA. lamp color 4000k, complete with electronic driver, CRI 80, lamp life 50,000 hrs, warranty 5 years , lockable holders and including connection etc. as required ,similar to Bajaj make BGRSQL 3601 WH or GE Troffer or Vivo LED.	Each	1		
SUB TOTAL II - LIGHT FIXTURES:					
SUB HEAD-III : T.V. , TELEPHONE SYSTEM & LAN SYSTEM					
1	Supplying, drawing, connecting and testing of 0.5 mm dia annealed copper conductor PVC insulated PVC sheathed telephone wire in existing conduit/wire way duct etc. as required of following sizes:				
	2 Pair	Metre	20		
2	Providing, laying, connecting and testing of multi-core telephone armoured cable of conductor size 0.63mm dia annealed copper conductor PVC insulated PVC sheathed jelly filled (as per DOT specification) cable along wall or ceiling or through existing pipe.				
	5 Pair telephone cable	Metre	40		
3	Providing, fixing connecting and testing of under noted size of solderless telephone tag block Krone make in surface/recess in wall required size of M.S. box with hinged lockable cover duly stove enamel painted.				
	5 pair tag block	Each	1		

SUPPLY, ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL AND OTHER SERVICES WORKS					
FOR PROPOSED AMRIT PHARMACY AT NEIGRIHMS, SHILLONG					
BILL OF QUANTITIES					
SL.NO	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
4	Supplying and fixing M.S. box with modular type telephone (RJ-11) outlet as required. Make: Panduit, Systimax, Belden	Each	1		
5	Supplying and fixing M.S. box with modular type data/ computer (RJ-45) outlet complete as required. Make: Panduit, Systimax, Belden	Each	2		
6	Providing, laying, connecting and testing of data/ computer Cat-6 cable along wall or ceiling or through existing pipe, including penta scanning documentation etc as required. Make: Panduit, Systimax, Belden	Metre	40		
7	Supply, installation, testing and commissioning of cat-6 patch cord 3 metre complete as per specifications as required.	Nos.	2		
8	Supply, installation, testing and commissioning of cat-6 patch cord 1 metre complete as per specifications as required.	Nos.	2		
9	Supply, installation, testing and commissioning of SC-SC patch cord complete as per specifications as required.	Nos.	2		
10	Supply installation testing and commissioning of 24-port managed layered 2 switch with SFP uplink as per specifications complete as required.	Nos.	1		
11	Supply installation testing and commissioning of fully closed 6 U rack cabinet with dual source power supply, all accessories as per specifications complete as required.	Nos.	1		
SUB TOTAL-III : T.V. , TELEPHONE SYSTEM & LAN SYSTEM					
SUB-HEAD -IV : CCTV SYSTEM					
1	Supply,installation,testing and commissioning of CCD coloured cameras, 1/3 inch 480 lines, HIGH RESOLUTION, 0.5 lux with 3/ 4 mm fixed lens with IR Leds for Day and night vision or equivalent complete as required in mini dome shape fixed type, including all wiring from the control module in existing PVC conduits complete as required. Make: honeywell, bosch, samsung	Set	2		
2	Supply,installation,testing and commissioning of 8 – channel colour Digital Video Mgmt system with 8 cameras inputs Built in multiplexer, Digital Video recorder, Video motion Detection system, aalong with 15" monitor, with external alarm inputs & outputs TCPIP network feature for remote monitoring & 500GB HDD Make: honeywell, bosch, samsung	Each	1		
3	Supply,installation,testing and commissioning of power supply unit with SMF batteries complete as required. (One no. for set of 5 cameras).	Each	1		
SUB TOTAL - IV : CCTV SYSTEM					
SUB-HEAD - V : UPS SYSTEM					
1	Supply, Installation, testing & commissioning of 1x 3 KVA UPS system configuration with 1Phase Input and 1 Phase Output True On Line Double Conversion UPS including Battery Circuit Breaker for Each Module CRCA housing with all required fixing accessories and hardware, Inbuilt Static switch bypass and inverter in each UPS module, In-Built Manual Maintenance by-pass, Sealed Maintenance free batteries for 2 hour back up, Battery Racks MS Powder Coated etc complete as required. Make: Eaton, APC, Emerson	Set	1		
SUB TOTAL - V : UPS SYSTEM					
SUB-HEAD - VI : AC UNITS -Hi Wall Split Unit					
1	Supplying & installation, commissioning and testing of. 4 star rated Air Cooled Split type Wall Mounted Air-conditioners with evaporating unit comprising of cooling coil, blower and motor and condensing unit comprising of hermetically sealed rotary compressor , Condenser coil, propeller fan. Unit shall be complete with controls , interconnecting copper refrigerant piping with insulation, electrical cabling, earthing etc. between evaporative and condensing unit complete with refrigerant gas and oil and MS Stand duly painted for outdoor units. The units shall be suitable for operating on 220 + 6% volt 1 phase 50 cycle AC Supply.The units shall be suitable for cordless remort operation. The refrigerant used shall be ozone friendly HFC. It should also have stabilizer unit of sufficient capacity. It should be complete as per technical specifications & as per diretions of Engineer -in-charge. Make: Voltas, Bluestar, Daikin				
1.1	2 Tr capacity	Set	1		
2	Supply, installation, testing and commissioning of copper refrigerant piping duly insulated(Two Length included) with Nitrile between the above indoor & outdoor units.with necessary supports etc. It should be completed as per specifications & directions of engineer in charge.	RMT	20		
3	Supply, installation, testing & commissioning PVC drain piping with fittings, &duly insulated with 6 mm thick Nitrile insulation. 25 mm dia.	RMT	15		
SUB TOTAL - VI : AC UNITS -Hi Wall Split Unit					
SUB-HEAD - VII : MISCELLANEOUS ITEMS					

SUPPLY, ERECTION, TESTING AND COMMISSIONING OF ELECTRICAL AND OTHER SERVICES WORKS					
FOR PROPOSED AMRIT PHARMACY AT NEIGRIHMS, SHILLONG					
BILL OF QUANTITIES					
SL.NO	DESCRIPTION OF ITEM	UNIT	QTY.	RATE	AMOUNT
1	Supply, installation, testing & commissioning of water dispenser, suitable for 20 litre water cans, with 5 litre storage capacity with outlets for normal, cold and hot water, single door, with separate compartment for refrigerator zone along with voltage stabilizer complete as required Make: Voltas, Usha, Haier	Set	1		
2	Supply Installation, Testing & Commissioning of Intel i7 4th Generation processor 3Ghz, 4GB RAM with 2TB hard disk, DVD-RW/keyboard/optical mouse/LAN card/19" LED monitor. Minimum 6 USB ports. With pre-loaded licensed Windows 7 Professional software as per specifications.,Make:Dell/HP	Set	2		
SUB-HEAD - VII : MISCELLANEOUS ITEMS					
TOTAL RS.					-