

# Office

UNDP Office

UN Main Building, (NORTH SIDE) East Wing, Nepal.

## **Bill Of Quantities**

**Client:** UNDP

**Project:** Office Reurbishment UNDP East Wing

**Site:** Second Floor, (NORTH SIDE) East Wing, UN Main Building No. 1

**SUMMARY OF COST**

<b>S.No</b>	<b>Description</b>	<b>Amount (Rs)</b>
A	Civil Works	
B	False Ceiling	
C	Painting Works/Wall putty	
D	Partition /Door /Windows	
E	Furniture Works	
F	Furnishing Works	
G	Electrical Works	
H	Access Control Works	
I	HVAC Works	
	Sub Total Amount	
J	Contingency 10%	
	Total Amount	
	VAT 13%	
	Grand Total	

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**BILL OF QUANTITIES**

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
<b>A</b>	<b>CIVIL WORKS</b>					
<b>a</b>	<b>Site Clearence</b>					
	Clearing of site, including cleaning of site and disposal of debris to start the work all complete.	1	Job			
<b>b</b>	<b>Removal Works</b>					
1	Removal of Existing Aluminium Partition & Doors with proper handling and stacking/placing in the proper place including cleaning of site after completion of work. <i>(Tentative : 2525sq.ft.)</i>	1.0	Job			
2	Removal of Existing <b>False ceiling along with existing Ducts, Cable trays</b> with proper handling and stacking/placing in the proper place including cleaning of site after completion of work. <i>(Tentative : 2800sq.ft.)</i>	1.0	Job			
3	Removal of Existing Carpet & Blinds with proper handling and stacking/placing in the proper place including cleaning of site after completion of work. <i>(Carpet Tentative : 2100sq.ft.) (Blinds Tentative : 600sq.ft.)</i>	1.0	Job			
4	Removal of Existing Furniture with proper handling and stacking/placing in the proper place including cleaning of site after completion of work.	1.0	Job			
5	Removal of Existing Electrical Fixtures, along with wiring, with proper handling and stacking/placing, in the proper place or handing over to authority including cleaning of site after completion of work.	1.0	Job			
6	Removal of existing Indoor & Outdoor Air Conditioning Units, along with wiring, piping, ducting with proper handling and stacking/placing, in the proper place or handing over to authority, including cleaning of site after completion of work. <i>(Approx : 12 units)</i>	1.0	Job			

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
<b>c</b>	<b>Repair / Maintainace of Existing Door Window</b>					
	Repairing of existing door / windows with necessary sizing, changing of glass (if necessary), removal of existing hardware (handle/ T-bolts) & net, supply and fixing of new hardware (Handle, T-bolts & hinges) & SS net all complete as per direction of consultant. (Tentative: Windows - 560 sq.ft./ Doors - 2 No.s)	1.0	Job			
<b>d</b>	<b>Brick Work (Double Brick ) 9" Wall</b>					
	Providing and laying of 9" thick brick masonry with opening for door using local bricks with joints in line and level , with cement sand mortar (1:5) including scaffolding, soaking of bricks , curing, filling , cleaning and racking out mortar joints, recesses where required including all materials, labour, lead and lift per drawing all complete. (Server Room)	18	Cft			
<b>e</b>	<b>Brick Work (Single Brick ) 5" Wall</b>					
	Providing and laying of brick masonry on new wall with opening for door using local bricks with joints in line and level , with cement sand mortar (1:4) including scaffolding, soaking of bricks , curing, filling , cleaning and racking out mortar joints , recesses including all materials, labour, lead and lift per drawing all complete. (Server Room)	69	Sft			
<b>f</b>	<b>Cement Plaster</b>					
	Applying plaster (1:4) cement sand mortar in wall or column including supply of materials , labour , mixing, making grooves, strengthening joints , curing and scaffolding where required all complete in line and level as per drawing, specification and direction of Consultant.	237	Sft			

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
<b>g</b>	<b>3" Thick RCC Band on Wall</b>					
	Supply of materials and laying of cement concrete to cast 3" thick RCC Bands on the server room brick wall in (1:2:4), with 20 mm down aggregates in line and level spaced @ 3'-0" c/c vertically between two bands including 2- 12mm dia rebars with 6.5 mm dia 1-L stirrups spaced @8" c/c (lapping at rebar joints not less than 50xdia); form work, scaffolding, curing making openings, labour, lead and lift etc all complete as per drawing and direction of consultant.					
	4.5" wide Bands	10	Rft			
		<b>Sub Total of (A)</b>				
<b>B</b>	<b>PAINTING FINISHING WORKS</b>					
<b>a</b>	<b>Emulsion Paint</b>					
<b>i</b>	<u>Ceiling Paint</u>					
	Supply and applying first grade Emulsion paint (eco friendly) with one coat of primer and two coats of antifungus, plastic emulsion paint on RCC ceiling, false ceiling and beam surfaces at any level , finished smooth by sanding, including supply of materials , labour , preparation of base surface etc. all complete as per the direction of Consultant. <b>(Make : Asian paint premium or Berger Paint Rangoli)</b>	1460	Sft			

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
ii	<u>Wall Paint</u>					
	Supply and applying first grade Emulsion paint (eco friendly) with one coat of primer and two coats of antifungus, plastic emulsion paint in wall surfaces above wall putty at any level, smooth finished by sanding of 2 level including supply of materials , labour , preparation of base surface etc. all complete as per the direction of Consultant. <b>(Make : Asian paint premium or Berger Paint Rangoli)</b>	1870	Sft			
iii	<u>Enamel Paint</u>					
	Supply and applying first grade Enamel Paint (eco friendly) with one coat of wood primer and two coats of first grade synthetic Enamel Paint of approved colour and brand on prepared surface of existing wooden door / windows to give an even shade and smooth surface finish by sanding of 2 level all complete.(white colour over existing brown colour for inside) <b>(Make : Asian paint or equivalent)</b>	1480	Sft			
b	<u>Wall Putty</u>					
	Applying Wall Putty on all wall, RCC Ceiling, Gypsum ceiling surfaces over cement plaster surface/ finished surface on wall and ceiling at any level , smooth finished by sanding of 2 level, plain in level including supply of materials , labour , preparation of base etc. all complete as per direction of Consultant. <b>(Make: JK or Asian)</b>	3535	Sft			
		<b>Sub Total of (B)</b>				

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S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
<b>C</b>	<b>FALSE CEILING</b>					
a	Gypsum Board False Ceiling	1320	Sft			
b	Mineral Fiber Acoustic Suspended Ceiling	1424	Sft			
c	WPC Baffles ceiling	88	Sft			
d	Veneer cladding with polish on false ceiling	130	Sft			
		<b>Sub Total of (C)</b>				

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S.No	Description	Size (LxBxH)	Quantity	Unit	Rate	Rate In Words	Amount
<b>D</b>	<b>COLUMN CLADDING/ PARTITION/DOOR /WINDOWS</b>						
<b>a</b>	<b>Laminate finished Column Cladding</b>		104	Sft			
<b>b</b>	<b>Laminate finished Partition Works</b>						
i	<u>Laminate Finished Low Height Partition</u>		918	Sft			
ii	<u>Laminate Finished Full Height Partition with</u> <b>Sound Insulation Material</b>		590	Sft			
iii	<u>Laminate Finished Full Height Partition</u>		238	Sft			
<b>c</b>	<b>Wooden Skirting</b>						
i	Wooden Skirting on Partition		615	Rft			
ii	Wooden Skirting on wall		130	Rft			
<b>d</b>	<b>Toughened Glass Swing Doors</b>						
i	Door (Double Leaf)	4'-6"x7'-0"	1	Nos			
iii	Door (Single Leaf)	3'-0"x7'-0"	1	Nos			
iv	Door low height(Single Leaf with patch hinge)	3'-0"x4'-6"	5	Nos			
			<b>Sub Total of (D)</b>				



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S.No	Description	Size (LxBxH)	Quantity	Unit	Rate	Rate In Words	Amount
<b>E</b>	<b><u>FURNITURE WORKS</u></b>						
<b>A</b>	Repositioning & fitting of Existing Furniture units with necessary repair/ maintenance all complete.						
i	Working Table		5	Nos			
ii	Side Table		5	Nos			
iii	Working Table Staff		10	Nos			
iv	Discussion table		1	Nos			
v	Filing Cabinet		6	Nos			
vi	Conference Room table		8	Nos			
<b>B</b>	Supply & Fabrication of Furniture units as per attached drawing & specification all complete. (Colour of board should be subjected to approval of consultant.)						
<b>i</b>	<b><u>CONFERENCE ROOM</u></b>						
a	Conference Storage Cabinet with Acrylic solid on Top	8'-0"x1'-6"x 2'-6"	1	Nos			
<b>ii</b>	<b><u>CLOSED ROOM</u></b>						
a	Executive Working Table	5'-6"x2'-6"x2'-6"	3	Nos			
b	Executive Side Unit (right side)	3'-6"x1'-6"x2'-6"	1	Nos			
c	Executive Side Unit (left side)	3'-6"x1'-6"x2'-6"	2	Nos			
d	Storage Cabinet (FC6)	5'-0"x1'-4"x2'-9"	2	Nos			
e	Storage Cabinet (FC4)	4'-0"x1'-4"x2'-9"	1	Nos			
f	Storage Cabinet (FC2)	3'-3"x1'-6"x2'-6"	1	Nos			
g	Pedestal Mobile Drawer	1'-6"x1'-6"x2'-0"	3	Nos			

S.No	Description	Size (LxBxH)	Quantity	Unit	Rate	Rate In Words	Amount
<b>iii</b>	<b>STAFF WORKING AREA</b>						
a	Staff Working Table	5'-6"x2'-0"x2'-6"	7	Nos			
b	Staff Side Unit (right side)	3'-3"x1'-6"x2'-6"	4	Nos			
c	Staff Side Unit (left side)	3'-3"x1'-6"x2'-6"	3	Nos			
d	Help Desk Table L-shaped	6'-3"+6'-8"x2'-0"x2'-6"	1	Nos			
e	Pedestal Mobile Drawer	1'-6"x1'-6"x2'-0"	9	Nos			
f	Storage Cabinet (FC7)	6'-0"x1'-4"x2'-9"	1	Nos			
g	Storage Cabinet (FC6)	5'-0"x1'-4"x2'-9"	6	Nos			
h	Storage Cabinet (FC4)	4'-0"x1'-4"x2'-9"	2	Nos			
i	Storage Cabinet (FC3)	3'-6"x1'-4"x2'-9"	1	Nos			
j	Open Filing Cabinet	2'-6"x1'-6"x2'-6"	2	Nos			
k	Planter Box	5'-2"x1'-0"x4'-0"	1	Nos			
l	Planter Box	4'-9"x1'-0"x4'-0"	2	Nos			
m	Corner Table	1'-8"x1'-8"x1'-8"	2	Nos			
n	Monitor Arm		20	Nos			
o	Single Seater Sofa	2'-8"x2'-8"x2'-8"	3	Nos			
			<b>Sub Total of (E)</b>				
<b>F</b>	<b>FURNISHING WORKS</b>						
<b>A</b>	<b>Window Dressing (Roller Blinds)</b>						
i	Fabric Roller Blind		490	Sq.ft.			
ii	Blackout Fabric Roller Blind		82	Sq.ft.			
<b>B</b>	<b>Floorings</b>						
i	Laminate Parquet		2810	Sq.ft.			
			<b>Sub Total of (F)</b>				

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S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
<b>G</b>	<b>ELECTRICAL WORKS</b>					
<b>a</b>	<b>Light Points Wiring with HDP Conduit/PVC Batten</b>					
	Supply, delivery, conduit/PVC Batten laying and wiring of light points with Multistrand 2 x 1 Sq.mm PVC insulated copper wire through 16/20mm medium pressure HDP pipes concealed in walls, ceilings and floors including 18 SWG GI sheet metal box, circular boxes, junction box, pipe kila, ceiling rose and necessary connecting, fixing, insulating and jointing materials and redoing the chiseled areas with cement and sand mortar as per the drawings, specifications, electricity rules and instructions all complete. ( Type: Janata/ Prakash cable or equivalent)	57				
<b>b</b>	<b>Light Fixtures</b>					
1	Supply and fixing of surface mounted LED ceiling luminaire with diffuser, 600 x 600 module 36 Watt. High luminous flux LEDs for better light output. ( <b>Thickness should be minimum to 25mm</b> ) (Brand Wipro, Phillips, Bajaj or equivalent)	7	set			
2	Supply and fixing of recessed LED grid ceiling luminaire with diffuser, 600 x 600 module 36 Watt. High luminous flux LEDs for better light output. (Brand Wipro, Phillips, Bajaj or equivalent)	20	set			
3	Supply and fixing of recessed square ceiling downlighter with diffuser with high efficient LED, 12 Watt & mounting clip. (Brand Wipro, Phillips, Bajaj or equivalent)	6	set			
4	Supply and fixing of surface square ceiling downlighter with diffuser with high efficient LED, 12 Watt. ( <b>Thickness should be minimum to 25mm</b> ) (Brand Wipro, Phillips, Bajaj or equivalent)	6	set			
5	Supply and fixing of Linear suspended LED luminaire, with high efficient LED, 21 Watt. (Brand Wipro, Phillips, Bajaj or equivalent)	4	set			

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
6	Supply and fixing of Linear recess mounted LED luminaire,with high efficient LED, 21 Watt. (Brand Wipro, Phillips, Bajaj or equivalent)	3	set			
7	Supply and fixing of small adjustable recess COB spotlights with 15 degree tilt option luminaire,with high efficient LED, 6 Watt . (Brand Wipro, Phillips, Bajaj or equivalent)	6	set			
8	Supply and fixing of flexible LED striplights made of bright LED chips, along with required driver. (Brand Wipro, Phillips, Bajaj or equivalent)	10	meter			
<b>c</b>	<b>Power Point Wiring with HDP Conduit/PVC Batten</b>					
	Supply, delivery,conduit/PVC Batten laying and wiring of power points with Multistrand 2 x 2.5 Sq.mm + 1x 1 Sq.mm PVC insulated copper wire through 20/25 mm high quality HDP pipes/PVC batten concealed/exposed in walls, ceiling and floors including 18 SWG GI sheet metal box, junction box, pipe kila and necessary connecting, fixing, earthing, insulating and jointing materials and redoing the chiseled areas with cement and sand mortar as per the drawings, specifications, electricity rules and instructions all complete. ( Type: Janata/ Prakash cable or equivalent)	86	pt.			
<b>d</b>	<b>AC Power Point (3-Phase)</b>					
	Supply,delivery conduit/PVC Batten laying and wiring of three phase AC points with Multistrand 4x 2.5 Sq.mm+1x 1 Sq.mm PVC insulated copper wire through 20/25 mm high quality HDP pipes/ PVC batten concealed/exposed in walls, ceiling and floors including 18 SWG GI sheet metal box , socket , junction box, pipekilla and necessary connecting , fixing a, earthing insulating and jointing materials.( Type: Janata/ Prakash cable or equivalent)	8	pts			

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
<b>e</b>	<b>Switches/Sockets/Plug-Modular Type</b>					
	Supply, delivery, installation, testing and commissioning of the following modular type switches, sockets and plugs with all required accessories including necessary connecting, fixing, insulating and jointing materials and redoing the chiseled areas with cement and sand mortar as per drawings, specifications, electricity rules and instructions all complete. <b>(Brand: Schneider)</b>					
1	<b>6/ 13 A International power socket coupled with switch</b>	86	nos.			
2	<b>Pop-up floor Box with 5 outlets (Legrand)</b>	2	nos.			
3	<b>2 Gang Switch</b>	1	nos.			
4	<b>6 Gang Switch</b>	7	nos.			
<b>f</b>	<b>Telephone DB</b>					
	Supply, delivery, installation, testing and commissioning of 16 SWG sheet steel flush mounted cubical type telephone distribution boards with hinged cover and built inpress-locking device including necessary press locking type connector, fixing and jointing materials, grouting, earthing and redoing the chiselled areas with cement and sand mortar all complete.					
1	<b>100:100 pair TDF</b>	1	nos.			
<b>g</b>	<b>Telephone Points Wiring</b>					
	Supply, delivery, conduit laying and wiring of telephone points with <b>cat 5 UTP cable</b> from Telephone DB to the telephone points through HDP pipe in the ceilings, walls including the necessary connecting, fixing, insulating jointing materials, 18 SWG thick G.I. sheet metal box, with connectors and civil works as per the drawings, specifications all complete. (Cables Make:Alantek / Molex / D- Link)	13	pts.			
	Supply, delivery, conduit laying and wiring of telephone points with <b>2 pair cable</b> from Telephone DB to the telephone points through HDP pipe in the ceilings, walls including the necessary connecting, fixing, insulating jointing materials, 18 SWG thick G.I. sheet metal box, with connectors and civil works as per the drawings, specifications all complete. (Type: NS Standard)	1	pts.			

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
<b>h</b>	<b>RJ 11 Telephone Sockets</b>					
	Supply, delivery and installation of plate type RJ 11 Telephone sockets with front plate suitable for mounting and flux finished on wall / partitions with all accessories including the necessary connection materials and civil works as per the drawings, specifications, electricity rules and instruction all complete. <b>(Make: Schneider)</b>	13	nos.			
<b>i</b>	<b>Computer Network Points Wiring</b>					
	Supply, delivery, conduit/PVC Batten laying and wiring of computer networking points with cat 6 UTP cable (from server room to individual points) through 16 / 20mm dia. HDP pipe/ PVC batten concealed in ceilings, walls and floors including the necessary connecting, fixing, insulating jointing materials, 18 SWG thick G.I. metal box and civil works as per the drawings, specifications all complete. (Cables Make:Alantek / Molex / D- Link)	39	pts.			
<b>j</b>	<b>CAT 6 RJ 45 Computer Sockets</b>					
	Supply, delivery and installation of modular type CAT 6 RJ 45 computer sockets with front plate suitable for mounting and flux finished on wall / partitions with all accessories including the necessary connection materials and civil works as per the drawings, specifications, electricity rules and instruction all complete. <b>(Make: Schneider)</b>	39	nos.			
<b>k</b>	<b>Patch Cord Cable</b>					
	Supply, delivery, <b>Laying/installation</b> of 18 meter CAT 6 UTP, 4-pair cable with ANSI TIA/EIA 568B Standard, Patch cord with <b>RJ45 jack</b> on both sides from <b>New Server Location to Existing Server Location</b> . (Make : Alantek / Molex / D- Link)	50	Nos.			
<b>l</b>	<b>CAT6 RJ45 Coupler (Female to Female cable joiner)</b>	50	Nos.			

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
m	<b>9U Wall Mount Rack with FAN</b>					
	Supply, delivery and installation of 9U 19" Wall mount rack with Toughened Glass Front Door, removable/ lockable side ventilated panels, Adjustable Mounting rails - Front and Back, inbuilt exhaust fan Mounted, Tray with additional jack screws along with Top and bottom cable entry provides Optimal flexibility for cable management (Make : Net Rack or equivalent)	2	Nos.			
n	<b>Distribution Board</b>					
	Supply, fixing, testing and, commissioning of distribution Board all complete with MCCB, etc fully fitted out and operational ( MAIN DB BOARD ) concealed type made of 16 gauge mild steel (MS) sheet, single cover , wall mount Board , consisting of Circuit Breakers and accessories for interconnection and branching of Mains and Solar Supply having Volt meter , Amp meter with indicators for power, light and A/C point. <b>DB Should have 4 parts individual for light circuit, Solar Circuit, Power Circuit &amp; AC circuit.</b> ( Make Model for MCCB/ MCB : LS / Siemens Germany / Legrand or Equivalent. )	1	Job			
o	<b>Main cable with pipe</b>					
i	Supply, delivery, connecting, testing, commissioning, cutting and fitting of 4 Core 25mm Copper <b>Power Cable</b> from AC-DB at lobby to New DB. <b>(Armoured)</b>	50	mtr			
ii	Supply, delivery, connecting, testing, commissioning, cutting and fitting of 4 Core 16mm Copper <b>Power Cable</b> from New DB to existing DB at other part. <b>(Armoured)</b>	15	mtr			
<b>Sub Total (G)</b>						
H	<b>ACCESS CONTROL SYSTEM</b>					
a	<b>Wiring Points</b>					
	Supply, delivery, conduit laying and wiring of Access Control point wiring with multistranded 2x 1.0 sq.mm copper , PVC insulated wires through HDP pipe in the ceilings, walls including the necessary connecting, fixing, insulating jointing materials, with connectors and civil works as per the drawings, specifications all complete.	3	pts.			
<b>Sub Total (H)</b>						

S.No	Description	Quantity	Unit	Rate	Rate In Words	Amount
<b>I</b>	<b>HVAC</b>					
<b>a</b>	Re-Installation of existing AC (Removed) with required maintenance & filling of Gas all complete					
i	Ceiling Cassette (3 TR)	3	Nos			
ii	Ceiling Cassette (1.5 TR)	3	Nos			
<b>b</b>	Supply, Delivery and Installation of 4 - way Ceiling Cassette Single Split Type (Heat Pump with Drain Pump) AC units including insulated interconnecting pipes, drain pipe, branch pipes, electrical wires to connect indoor and outdoor. pipes for drain, and remote control units. <b>(Make: Mitsubishi Brand)</b>					
i	Ceiling Cassette (2 TR)	2	Nos			
<b>c</b>	<b>Metal Works</b>					
i	Supply and Installation of frames to hold the outdoor units if required	8	Sets			
<b>d</b>	<b>Installation &amp; testing commissioning charge</b>	8	Sets			
<b>e</b>	<b>Extra Pipes</b>					
	Length of extra pipes between indoor to outdoor units with all required installation material like copper tube, insulation tube, electrical wiring, etc, extra from 12 feet piping.	250	Rft			
		<b>Sub Total (I)</b>				