

NATIONAL BANK OF PAKISTAN
LOGISTIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

DESCRIPTION	UNIT	QTY	RATE		AMOUNT
DISMANTLING WORKS (where required)					
Dismantling an removing of existing masonry walls, Teller counter, False ceiling, tile Flooring/walls, Doors, Windows/ Grills, Glass work,electrical, plumbing fitting fitting / fixtures, front boudry wall and grills and any other material etc. complete in all respects as per drawings.	%job	1			
REINFORCEMENT CEMENT CONCRETE 3000 PSI					
Provide, mix, place and vibrate reinforcement cement concrete in the volumetrix mix. 1:2:4 using one part of op cement to 2- part of 50 % lawrancepur and 50 % chenab sand and 4-parts of sargodha crush nominal size 3/4" and down mesh with min. cube crushing strength of 3000 psi at 28 days finishing the necked surface and curing etc, including water tight finishing the necked surfaces and curing etc, from work including its sub-sequent removal, complete in all respects as per drawings, specifications and as directed by the Consultant/Engineer.					
I) R.C.C Walls for Vault.	%Cft	350			
II) Beam / Lintels etc.	%Cft	20			
STEEL REINFORCEMENT					
P/F Grade 60 steel reinforcement deformed bars at any floor with minimum yield strength of 60000 psi as per ASTM standards A-615, including cost of binding wire of 16-SWG, chairs. (Wastage of bars, Over laps etc. is to be Contractors accounts).	%kgs	650			
BRICK MASONARY WORK					
Providing and laying Block /brick masonary with 1:4 cement sand mortar in super structure, including raking out joints, scaffolding, curing, drilling for walls/ Ramps where required complete in all respects as per drawings, specifications and as directed by the Consultant/Engineer.					
9" (228 mm) Thick or Above	%Cft	100			
6" (150 mm) Thick or Above	%Cft				
4" or 4-1/2" (114 mm) Thick	%Sft	100			
PLASTER WORK					
Providing and applying Plaster (thickness and cement / sand ratio as indicate in sub items below) including making edges and corners, curing, scaffolding etc, complete in all respects as per drawings, specifications and as directed by the Consultant/Engineer.					
12mm Thick in (1:4) on walls	%Sft	700			
P.C.C (1:4:8) UNDER FLOOR					
Providing and laying under floor cement concrete of the nominal mixes by volume as indicated, using 1-1/2" down guage stone ballast as coarse aggregate, including formwork and its removal, compacting, curing etc, complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Cft	100			
P.C.C FLOORING					
Providing and laying of PCC 1:2:4 under floor using one part ordinary portland cement, four parts of best quality sand and eight parts of crush stone including leveling, compacting, curing and surface finishing a srequired, complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.					
50mm Thick (Rough Finish)	%Sft	100			
PORCELAIN TILES					
Providing and laying floors of Porcelain tiles 1200mm X 600mm (grit white) 11mm thick of Roka ceram tile imported made (Chaina or equavilent including base mortar (1-1/2" average) thick c.c and matching colour, cement slurry for fixing of tiles, complete in all respects as per drawings, specifications and as directed by the Engineer.	%Sft	550			
Providing and laying floors of Porcelain tiles 1200mm X 600mm (Conoliaen Brown) 11mm thick of takceram tile imported made (Chaina or equavilent including base mortar (2-1/2" average) thick c.c and matching colour grouting, cement slurry for fixing of tiles, complete in all respects as per drawings, specifications and as directed by the Engineer.	%Sft	20			
GRANITE SKIRTING					

NATIONAL BANK OF PAKISTAN
LOGISTIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

Providing and laying Skirting of Porcelain tiles 100mm X 600mm/1200mm (Conoliaen Brown) 11mm thick of takceram tile imported made (Chaina or equavilent including base mortar (2-1/2" average) thick c.c and matching colour grouting, cement slurry for fixing of tiles, complete in all respects as per drawings, specifications and as directed by the Engineer.	%Rft	200			
GRANITE ON STAIR AND MAIN ENTRANCE PODIUM					
Providing and laying 19mm thick pre-polished Cherry Pink Granite / Camel Brown Granite on stair threshold floor, wall etc, including base mortar and matching colour, cement slurry for fixing of tiles, complete in all respects as per drawing, specifications and as directed by the Consultan	%Sft	20			
GRANITE THRESHOLD					
Providing and laying 19mm thick pre-polished Cherry Pink Granite / Camel Brown Granite on threshold, including base mortar and matching colour, cement slurry for fixing of tiles, complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Sft	10			
GLASS DOORS (External)					
Providing and fixing Tempered frame less glass door using 12mm clear glass , imported concealed floor door closers GCC made, door locks,cand approved S.S handles on both sides, complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Sft	42			
Wooden Frame Glass Door (Internal)					
Providing and fixing Tempered glass door using 12mm clear glass including top and bottom Solid oak wood H section size 6" x 1.5" finished with NC lacure polish made of Germany , imported concealed floor door closers GCC made, door locks,cand approved handles on both sides, complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Sft	42			
PORCELAIN TILES ON TOILET WALLS / Floor					
Providing and laying floors of UAE/ Malysian Porcelain tiles size 600mm x 300mm (as approved or equivalent on walls including base mortar and matching colours, cement slurry for fixing of tiles, complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Sft	200			
WOODEN DOORS					
Supply of WOODEN DOOR (WD- 1A), made with 38mm thick sandwich chipboard (tactile sheet 4024) with 19mm thick soft wood vertical rail both sides covered with approved, 9mm thick mahagni wood edging, finish with clear NC lacquer polish, including door frame of 16 SWG Gl sheet with red oxide coat covered with approved laminate/door boarder and hardwares i-e hinges, imported door lock and door stopper etc, complete with hard ware. And complete with all respect as per design.	%Sft	42			
PARTITION					
Providing and fixing of Glass partition consisting of 12mm thick imported clear tempered glass with frosting paper in pattern as shown on drawings, with approved aluminum H section/ solid oak wooden section 6"x2" thick frame finished with lacure polish approved shade as frame on top and bottom and sides and all necessary joinery details complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Sft	80			
BULK HEAD					
Providing and making bulkhead using 2" x 2" partal wooden frame @ 2' c/c horizontal and vertical with 3/4" thick imported MDF sheet both side. complete in all respect.	%Sft	50			
INTERNAL PAINT WORKS					
Providing and applying Paint on internal/ External walls of ICI or Berger including rubbing with sand stone, filling the uneven surfaces with putty, rubbing with sand paper and preparation of surface perfect in all respects, applying one coat of primer on prepared surface of plastered and finish paint coats as indicated in sub items, complete in all respects as per drawings.					
Plastic Emulsion Paint ash white (on Internal walls)	%Sft	2000			
Weather shield paint on external walls (approved by the Engineer)	%Sft	500			
Enamel paint	%Sft	200			

NATIONAL BANK OF PAKISTAN
LOGSITIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

Providing and applying Three coats of ICI deluxe distemper paint for roof/ ceiling after scraping, sand papering, plain surface complete with all material labour, equipment scaffolding etc As per entire satisfaction of Regional Engineer/ Engineer Incharge.	%Sft	500			
Wooden CABINETS (Record Room)					
P/fixing of wooden filling cabinets low and full height at any height made with 16mm MDF laminated 4024 with edging made of laminated 4024 veneer properly fixed and Internal carcass in 16mm thick lamination chipboard # 7056 , includindg approved handles, hings and shelf approved drawing and design. Complete in all respect. (Size upto 4'x8' approx.)	%Nos.	3			
FALSE CEILING					
Providing and fixing 7.5mm thick Lamination gypsum tile 600mm x 600mm False including hanging system(Groove), making opening for lights or diffuser complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Sft	500			
CORNICE					
Providing and fixing 11mm thick and 75mm high MDF Cornice tactile sheet architrave on wall and applying of approved paint, including joinery detail complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Rft	250			
BLINDS					
Providing and fixing imported sunthetic fibre roller Blinds according to the instructions of the manufacturer, complete in all respects as per drawing, specifications and as directed by the Consultant / Engineer.	%Sft	60			
ALUMINUM WINDOWS					
Providing and fixing full glazed Anodized Aluminum Bonze windows/ Ventilator made of Pakistan cable or equivelent (Sliding/ Fixed) of approved manufacturer using Deluxe quality 2mm thick 4" wide extruded section, glazed with distortion free 6mm thick imported tinted glass with fly screen having best quality mesh and aluminum section including all hardware, handles , PVC/ruber gasket and sealent complete in all respect	%Sft	24			
SAFETY GRILL					
Providing/ fabricating & fixing mild steel protective grills to windows made up from steel section of 16mm x 16mm square bar at 6" c/c vertically and 8" c/c horizontal and M.S Flat 1 ½" X3/8" frame (as per sketch) including 3 coats of approved shade of ICI Burger Enamel paint 3 copats over a coat of red lead oxide etc. complete as directed by Engineer Incharge.	%Sft	24			
G.I. SHUTTER					
collapsible doors					
Providing fabricating & fixing at any floor, steel grill collapsible doors with louver made of standard M.S Channel ¾"x1/8" M.S Flat ¾"x1/4" including roller of T-Iron rail 1 ½" x1 ½"x ½" with all hangers, bearing box, tracks, guide channel pull handles locking arrangement, and vertical louvers making good all cut work etc finished with 3 coats of enamel paint to requisite shade over red lead primer, complete in all respect as per specification or as directed by the Engineer Incharge.	%Sft	42			
CASH COUNTER					
Teller Counter made of MDF lassani sheet best quality imported. Working top made of MDF Sheed thickness 1-1/2" standard pressed pasted with approved paper / laminated sheet No. 6020 front and customer top made of corian approved shade and design, customer top having stainless steel tray. Including 12mm clear glass with stainless steel clips supported in 2" thick vertical post laminated with imported tactile sheet and entire front of conuter cover with Corian duepont or equivalent imported quality approved design and shade directed by Executive Engineer . wooden haging beam with wooden strips in top and bottom as per drawing, three coats of matt finish paint on end supports . counter sepration partion made of tactile 4024 alnoor laminated 1-1/2" thick approved color. complete in all respect as per approved sample on head office. Size(mm): W:1200 x D:1813 x H:2440 Exclusive Drawer Pedestsl.	%Rft	12			
wooden drawer					

NATIONAL BANK OF PAKISTAN
LOGISTIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

Providing wooden drawer unit with white formica (size 18"X 17" X 22") having 3 drawers and imported handle running on imported rail with central locking arrangement etc complete as per entire satisfaction of Engineer Incharge.	%Nos.	3			
TUFF TILES					
Providing and laying of Tough Tiles size 1 ft X 1ft X 2 Inch thick, reinforced with wire mesh in approved colour over 2" thick p.c.c avg: and grouting in cement complete in all respect.	%Sft	200			
Roof Marble Additional Floor					
P/L 1/2" thick boticena marble approved quality at roof top for water proofing with avg: 2" thick c.c with cement slurry, including marblish griding and polish with machine finaly finish with mension polish best quality imported complete in all respect.	%Sft	800			
BITUMEN STRONG ROOM					
Providing and Laying bitumen coating on walls as directed approved grade and cement plaster repairing before application etc i/c repairing the wall with Ultra bond etc. as per entirer specification of Engineer Incharge.	%Sft	100			
SECTION-01, SUPPLY & INSTALLATION OF PLUMBING FIXTURES					
Supply and Installation of plumbing fixtures & faucets complete in all respects including all accessories, support, hangers, etc. ready to use as per specifications of Consultant.					
P/F ORISA type W.C Manufactured by Master / PORTA Ceramic or equivalent approved quality with integral tread 19" clear opening as measured between flushing rims, C.I. Trap 4" dia Gallons capacity low level flushing cistern of same manufacturers making good in cement concrete (1:2:4) complete.	%Nos.	1			
European style W.C. wall hung type, with seat cover, flush tank, cover plate floor mounted brackets with fixing accessories.					
Toilet Hand Spray with flexible chain & telephone type shower Including tee stop cock etc. complete in all respect.					
Type - TS	%Nos.	1			
Wash basin (WB) porta including bottle trap, waste, stop cocks, etc.					
Type - WB	%Nos.	1			
Wash basin hot and cold water mixer, etc.					
Type - WB	%Nos.	1			
Double Bib Cock for Wash Room	%Nos.	1			
Stainless steel kitchen sink including stop cocks, P-trap / Bottle trap, waste pipe etc complete in all respects.					
SK - 1, 40" x 20" single bowl and single drainer.	%Nos.	1			
Sink hot and cold water mixer etc.					
For SK - I	%Nos.	1			
Toilet accessories complete set.					
Soap Dispenser	%Nos.	1			
Towel Rod	%Nos.	1			
Paper Holder	%Nos.	1			
Coat Hooks	%Nos.	1			
P/F Looking Mirror best quality balgium made fixed with clips complete in all respect and size as per site requirement	%Sft	10			
SECTION-02 WATER SUPPLY SYSTEM					
Supply, installation, testing and commissioning of complete pipe work for cold and hot water system including all accessories required to complete systems ready to operate as per specification, drawings & instruction of Consultant.					
Polypropylene Random PP-R pipes PN 20 and fittings with fusion jointing along with all types of unions, tees, bends, sockets, clamps hangers, supports, sleeves, masking plates, chiseling, making holes making good, excavation, bedding backfilling as required complete in all respect.					
Dia. OD 25 mm (also for A.C Drainage)	%Rft	40			
Dia. OD 32 mm (also for A.C Drainage)	%Rft	80			
Same as above item 2.1 but polypropylene Random PP-R (PN-25) reinforced with Aluminum foil for hot water.					
Dia. OD 25 mm	%Rft	30			
Expanded rubber foam insulation 1/2" thick for following pipes sizes complete with PVC tape wrapping protection					
Dia. OD 25 mm	%Rft	30			

NATIONAL BANK OF PAKISTAN
LOGISTIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

Providing & fixing joining testing G.I. pipe lines for water supply as per BS 1387 medium quality ILL. Including specials sockets tee, elbow, bedn, reducer plug and union etc) supported on walls suspended from roof slab, including protective coating as per drawing and specification including color coding complete in all respect.					
Dia. 1-1/2"	%Rft	30			
Brass body gate valves / ball valves with unions.					
Size 3/4"	%Nos.	1			
Size 1"	%Nos.	1			
SECTION-03 SOIL, WASTEVENT AND RAIN WATER DRAINAGE SYSTEM					
Supply, fixing, testing and commissioning of equipment, pipe work required to complete the soil, waste, vent and rain water systems in all respects with accessories ready to operate as per specifications, drawings instructions of Consultant.					
UPVC pipes of approved make along with specials, fittings bends wye, tees sockets , sleeves, masking plates, chiseling , making hole excavation, backfilling making good where as required jointing with rubber ring seal.					
Dia 1-1/2"	%Rft	30			
Dia 4"	%Rft	30			
Floor trap including S.S grating floor trap, inlet outlet connection complete in all respects.					
FT- with 4" P - trap	%Nos.	2			

ELECTRICAL WORK

Description	Unit	Qty			
Wiring Works					
Electrical Wiring					
Supply, laying, connection and testing of following wiring types; in heavy duty PVC Conduit recessed in walls, columns, slabs, floors or fixed at Ceiling above false ceiling or in Dura duct if exposed on walls, with all necessary fixing accessories, conduit/duct accessories, pull boxes, steel pull wires complete in all respects, required as per site conditions. with make/brand of material being specified in Annexure A. (PVC insulated Copper - 300/500 Volt Grade Wires to be used)					
Circuit Wiring (For Switchboard/Light Plug etc.)					
From DB to Switch Board or 2/3 pin Light Plug (5/10/13A) to be wired with 2x2.5 sq.mm S/C wires and 1 X 2.5 sq.mm S/C wire of Green/Yellow Colour as Circuit Protective Conductor (CPC) in 25 mm dia. heavy duty PVC conduit Each circuit shall have independent CPC. Maximum wiring of 2 light circuits can be pulled through 25 mm dia. PVC conduit.	%Nos.	3			
Switch Board to Switch Board OR Switch Board to Light plug etc. Circuit Wiring					
Same as item No. A-1-1 (a) but from point to point i.e. Switchboard to Switchboard/Light Plug or Light Plug to Light Plug. (Side by Side or Back to Back Wiring points will not be payable and will be considered to be included in item No. A-1-1 (a)	%Nos.	4			
Strong & Locker Rooms Wiring Circuit					
Same as item No A-1-1 (a) but including 40/.076 Cable with 20 A Switch Socket Outlet (SSO), back box etc. for connection to Switchboard in Strong & Locker Rooms complete with connections in all respects.	%Nos.	1			
Point Wiring (Light/Fan etc.)					
From Switchboard to 1st Point (Light/Fan) with 1 x 1.5 sq.mm S/C wire from Piano Switch and 1 x 2.5 sq.mm wire common neutral including i/c P/F 10A Piano Switch in 20 mm dia. heavy duty PVC conduit, recessed in walls, columns, slabs, floors or fixed at Ceiling above false ceiling with all necessary fixing accessories, conduit accessories, 75 mm high PVC junction boxes, pull boxes, steel pull wires, connectors, M.S. sheet steel switch box 16 SWG with earth terminal with 2 coats of powder coating of orange colour, M.S. box shall be of the same size as that of 1, 2 or 3 upto 6 gangs flush type plate switches complete in all respects, required as per site conditions. (In case of point wiring at Ceiling, 2 X 1.5 sq.mm wires in Flexible Conduit from junction box equipped with PVC gland to light/fan fixture, will also have to be provided). Maximum wiring of 6 points (light/fan) can be pulled through 20 mm dia. PVC conduit.	%Nos.	20			
Point to Point Wiring (Light/Fan etc.)					

NATIONAL BANK OF PAKISTAN
LOGISTIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

Same as item No. A-1-2 (a) but from Point to Point and without including cost of Switch and M.S. sheet steel switch box 16 SW. (Maximum of 05 points can be connected with 1st Point)	%Nos.	30			
Wiring Circuit for 1 x 13/15/16 A Simplex/Duplex - Switch Socket Outlet (SSO) installed at Wall/Workstation/Floor Box etc. or any other purpose.					
From DB to SSO with 2 x 2.5 sq.mm S/C wire + 1 x 2.5 sq.mm S/C wire of Green/Yellow Colour as Circuit Protective Conductor (CPC) in 25 mm dia. heavy duty PVC conduit, recessed in walls, columns, slabs, floors or fixed at Ceiling above false ceiling with all necessary fixing accessories, conduit accessories, pull boxes, steel pull wires complete in all respects, required as per site conditions. Each circuit shall have independent CPC. (Maximum wiring of 3 circuits can be pulled through 25 mm dia. PVC conduit).	%Nos.	6			
Same as item No. A-1-3 (a) (i), but from Point to Point i.e. 1st SSO to 2nd SSO and onwards. (Side by Side or Back to Back Wiring points will not be payable and will be considered to be included in item No. A-1-3 (a) (i) (Maximum of 03 SSO can be connected with 1st SSO).	%Nos.	6			
Wiring Circuit for 1 x 20 A Switch Socket Outlet (SSO) for AC connection or any other purpose					
From DB to SSO with 2 x 4.0 sq.mm S/C wire + 1 x 2.5 sq.mm S/C wire of Green/Yellow Colour as Circuit Protective Conductor (CPC) in 25 mm dia. heavy duty PVC conduit, recessed in walls, columns, slabs, floors or fixed at Ceiling above false ceiling with all necessary fixing accessories, conduit accessories, pull boxes, steel pull wires complete in all respects, required as per site conditions. Each circuit shall have independent CPC. (Maximum wiring of 2 circuits can be pulled through 25 mm dia. PVC conduit).	%Nos.	3			
Wiring Circuit for 1 x 30/32 A Switch Socket Outlet (SSO) for AC connection or any other purpose					
From DB to SSO with 2 x 6.0 sq.mm S/C wire + 1 x 4 sq.mm S/C wire of Green/Yellow Colour as Circuit Protective Conductor (CPC) in 25 mm dia. heavy duty PVC conduit, recessed in walls, columns, slabs, floors or fixed at Ceiling above false ceiling with all necessary fixing accessories, conduit accessories, pull boxes, steel pull wires complete in all respects, required as per site conditions. Each circuit shall have independent CPC. (Maximum wiring of 1 circuit can be pulled through 25 mm dia. PVC conduit).	%Nos.	2			
Wiring for Industrial Sockets for UPS Connections					
From UPS DB to Branch UPS I/O Connections (two connections) with 1 x 6.0 sq.mm 3 Core wire in 25 mm dia. heavy duty PVC conduit or PVC Dura duct (appropriate size), with all necessary fixing accessories, complete in all respects, required as per site conditions.	%Rft.	14			
Wiring from Main DB to UPS DB or any other purpose.					
Wiring with 1 x 6.0 sq.mm 4 Core PVC/PVC insulated wire in 25 mm dia. heavy duty PVC conduit or PVC Dura duct (appropriate size), with all necessary fixing accessories, complete in all respects, required as per site conditions.	%Rft.	14			
DATA / VOICE / TV. WIRING					
Supply, laying, connection and testing of following wiring types; with make/brand of material being specified in Annexure A.					
Data points/outlets					
Wiring for each Data point from Communication Rack (Patch Panel) to each Data point on wall or in M.S floor outlet box with 4 pair Cat. 6E 23 AWG cable in 20 mm dia. heavy duty PVC conduit recessed in walls, columns, slabs, floors or above false ceiling with all necessary fixing accessories as required as per site condition, complete in all respects.	%Nos.	6			
Voice points/outlets					
Wiring for each Voice point from Telephone Junction Box to each telephone point on wall or in M.S floor outlet box or in Data Cabinet/Communication (Wall mounted or Floor Standing) with 4 pair Cat. 6E 23 AWG cable in 20 mm dia. heavy duty PVC conduit recessed in walls, columns, slabs, floors or above false ceiling with all necessary fixing accessories as required as per site condition, complete in all respects.	%Nos.	4			
Main Telephone Cable					

NATIONAL BANK OF PAKISTAN
LOGISTIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

Supply, installation and connection of 10 pair telephone cable to be connected from Utility MDF to Telephone Junction Box (TJB) in 25 mm dia PVC conduit including cost of identification tags, all necessary material / accessories complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly checked by Engineer In charge.	%Rft.	20			
TV Point Wiring					
Wiring for wall mounted TV outlets wired with RG-6 / RG-7 cable or as directed by the Engineer from TV Cable Splitter/distribution to each TV point, including 20 mm dia. heavy duty PVC conduit, recessed in walls, floors, column or as required as per site conditions, all PVC conduit accessories, pull boxes, steel wires etc. complete in all respects.	%Nos.	1			
FITTINGS, FIXTURES & ACCESSORIES					
Supply, Installation, testing and commissioning of following fittings/fixtures as per specified brand/make given in Annexure "A" recessed in or on wall / ceiling / column etc. complete in all respects, duly approved by Engineer In charge prior to installation.					
Lights					
(The temperature / Colour Index to be got confirmed from Site Engineer before installation)					
Ceiling/Surface mounted ICE LED Panel Light - 20 to 22 Watt (Warm White) 6 Inch Dia, recessed in False ceiling.	%Nos.	40			
Ceiling/Surface mounted ICE LED Spot Light - 7/8W - 7-8 mm dia (Warm White) recessed in False Ceiling	%Nos.	5			
Fans					
Wall Bracket Fan 18" sweep - Metal Body.	%Nos.	5			
Exhaust Fan 12" sweep.	%Nos.	3			
Power Socket					
Switch Socket Outlet					
Following SSO complete with back box i.e. M.S. box, made of 16 SWG sheet steel with earth terminal having 2 coats of powder coating of orange color, M.S. box shall be of the same size as that of SSO.					
10/13 - 3 Pin round type SSO (for General Use)	%Nos.	5			
13A Duplex SSO - 3 Pin Flat type / Universal type (for UPS Power)	%Nos.	7			
13A Simplex SSO (for Normal Power)	%Nos.	10			
15/16A Simplex SSO - Round Pin or Multi type (for AC or General Purpose)	%Nos.	5			
Industrial Sockets					
Following Industrial Socket Unit (Male & Female Complete Set) complete with back box i.e. M.S. box, made of 16 SWG sheet steel with earth terminal having 2 coats of powder coating of orange colour.					
16 A, 3 Pin	%Nos.	2			
Data / Voice Fixtures					
Face Plates with I/Os					
Following Face Plates white/off white finish, complete with shuttered Click-ins, labels and all accessories including back box i.e. M.S. box, made of 16 SWG sheet steel having 2 coats of powder coating of orange colour. M.S. box shall be of the same size as that of Face Plate.					
Dual Face Plate with I/Os (1 x RJ45 and 1 x RJ11)	%Nos.	4			
Quad Face Plate with I/Os (2 x RJ45 and 2 x RJ11)	%Nos.	1			
Dual Face Plate with I/Os (2 x RJ45)	%Nos.	1			
Simplex Face Plate with RG-6 / RG-7 Connector for TV Cable	%Nos.	1			
Supply of Patch / Drop Cords					
Factory tested (imported) Cords of Cat6 - 23 AWG Cable of following sizes					
01 meter Patch Cord	%Nos.	4			
03 meter Drop Cord	%Nos.	4			
Racks And Panels					
19" Rack for Data Communication					
Supply and Installation of 19" - Communication Rack made of M.S Frame, Glass Door, Pull Handle, supported by perforated sides / M.S Cover of following size:					
12U wall Mounted	%Nos.	1			
Thermostatic Type Exhaust/Cooling Fans					
Supply and Installation of Thermostatic type Exhaust/Cooling Fans in Communication Rack, with proper connections, complete in all respects	%Nos.	2			
PDU					
Supply of PDU with 04 x 13 A Flat Pin or International Type Switch Sockets for Communication Rack	%Nos.	1			
Front Cable Manager					

NATIONAL BANK OF PAKISTAN
LOGISTIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

Supply and Installation of Front Cable Manager in Communication Rack with proper labelling / tagging / harnessing.	%Nos.	1			
Patchpanel					
Supply and Installation of 24 Port - Patch Panel - in Communication Rack with proper labelling / tagging / harnessing.					
Unloaded (Without I/Os)	%Nos.	1			
RJ-45 I/Os for Patch Panel	%Nos.	8			
Telephone Junction Box (TJB)					
Supply, installation and commissioning of Telephone Junction Box vermin and dust proof, made of M.S 18 SWG sheet with door, handle, anti-rust paint and 2 coats of enameled paint, locking arrangement, all fixing accessories for following pairs telephone terminal strips (KRONE Strip) with tagging/marketing arrangements including cost of all necessary material to connect incoming and outgoing telephone cables, complete in all respect					
1 x 10 Pair	%Nos.	1			
Distribution Boards and Internal Components					
Distribution Boards (DBs)					

NATIONAL BANK OF PAKISTAN
LOGISTIC SUPPORT GROUP
HEAD OFFICE
KARACHI
TENDER

Fabrication, Supply and installation of DBs from the Manufacturer's Names specified in Annexure "A" at designated walls concealed or opened, made up of M.S Sheet of 16 SWG, with flexible earthing straps, degreased and de-rusted, zinc phosphate, finished with electrostatic powder coating of 15 microns thickness in approved colour, housing to comply with Protection Class IP-40, with hinged door, lockable handle, all auxiliaries, internal wiring, combs, designation labels on breakers, earthing bar, numbering beads on the control wires, suitable for System Voltage of 415 V, 50 Hz, 3/1 Phase and earthing with 01 or 02 neutral bus bars of 99.98% pure electrolytic Copper, including appropriate size Cable termination lugs and brass cable glands for incoming and outgoing cables, wiring from breakers, indication lamps (Voltmeter type with voltage reading) and fuses, with M.S Sheet cover beneath front door, gaskets shall also be provided, where necessary, complete in all respects as per Site requirement and approval of Bank's Engineer In charge.					
Internal Components Of DBs					
Providing, installation, testing and commissioning of following Components as per brands/makes specified in Annexure "A" in already installed or to be installed DBs with proper connections and tagging, complete in all respects, as per Site requirements and prior approval of Bank's Engineer Incharge.					
Computer Distribution Board:-					
40/50/60 A MCCB T.P (terasaki/Hagar/Clipsal)	%Nos.	1			
Size 15" x 21"	%Nos.	1			
16/32 A D.P (UPS I/Coming + Out Going)	%Nos.	1			
6/10/Amps SPCB	%Nos.	7			
32 A- Four Possition Phase Slector (1-2-3-4)	%Nos.	1			
Change Over Switch Rotery Switch 1-0-2 32-Amps	%Nos.	1			
Rawpower Distribution Board					
75/100 A MCCB T.P (terasaki/Hagar/Clipsal)	%Nos.	2			
Size 18" x 24"	%Nos.	1			
16/10/20/Amps SPCB	%Nos.	10			
63 A- Four Possition Phase Slector (1-2-3-4)	%Nos.	3			
Earthing System					
Supply, installation, testing and commissioning of Earthing / Grounding System including all material, boring, labor, tools, transportation, construction of appropriate sized Main Hole Pit (1' x 1' or 13" dia) with CI Cover, other accessories etc. Complete in all respects with detailed test report. The Earth Resistance should be below 05-OHM / Neutral to Ground potential less than 03V otherwise earthing would not be acceptable and neither payable.					
Chemical Type					
Supply, installation, testing and commissioning of Chemical Enhanced Earthing System comprises of the following:					
Boring of 11 ft or more deep 6" dia for grounding electrode.	%job	1			
UPVC pipe - 6" dia	%Rft	1			
1-1/2" dia - copper ground electrode (Pure copper) 10 ft Copper pipe	%Rft	1			
Filling of boaring after inserting grounding electrode up to 1-feet with powdered charcoal and lime mixture with ratio of 1:3 (e.g 1kg of salt & 3kg of charcoal).	%job	1			
Earthing Lead / grounding conductor 10sqmm with accessories like joining copper clamps / nuts / bolts etc from grounding electrode to main distribution board.	%job	1			
Fixing of 02 %Nos. Copper Equipotential bars made with 150 mm wide, 50 mm high, 5 mm thick Earth Connecting Points (ECP) respectively with holes for fixing of Copper Conductor.	%job	1			
Interconnection of ECP with termination Clamps of Chemical Pipe with 2 x 8 SWG Solid Copper Conductor or 2 x 10 sq.mm bare flexible Copper Conductor	%job	1			
Back filling of 6" dia boring with Chemical to enhance Conductivity.	%job	1			
Miscellaneous Item					
As Built Drawings					
Preparation and submission of Shop Drawing before the start of the Electrical works and As-built drawing of complete electrical and allied works duly approved by Client's Engineer until their level of satisfaction. (1 Set each)	%job	1			
Testing & tagging as per SBD section-16 (16), complete in all respect and accepted by engineer	%job	1			