

Financial Proposal on DR Solution



FOR AKIJ Venture Ltd

Prepared By

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About Us

Omega Exim Limited (OEL) is a leading one-stop IT solution provider, leveraging leading technologies to drive real business results for clients.

Founded in 2013, we have come a long way earning experience, continued success and a well-satisfied client



Our services

- Network & Security, NGFW
- Cyber Security, PAM, VAPT
- Switching, Routing, WIFI
- SIEM, SOAR, UEAB, FIM, NMS
- Load Balancer, WAF, DDoS, API Security
- System Infrastructure
- Storage & Backup solution
- Virtualization
- Data Center Solution, Passive Infra
- Power Solution
- Public Cloud Services
- Unified Communications

Financial Offer

Dhamrai Manikgonj DR Site Project -Passive Part Module Wise Price Summary			
SL	Item Name	Total Price	
1	Raised Floor Works	326,908.50	
2	Power Infrastructure (BD Board)	156,790.24	
3	Electrical Cables	149,554.00	
4	Cable Tray And Ladder	61,452.50	
5	On-Line UPS-20 KVA- Standard 30 Minutes Backup Time	1,858,850.00	
6	Surge Protection Device	21,150.00	
7	Comfort Air Conditioner for Server & Power Room	480,575.00	
8	Dehumidifier for Server & Power Room	59,455.00	
9	Environment Monitoring System (EMS)	123,140.00	
10	Structured Network Cabling and Accessories	1,269,714.43	
11	Access Control System	63,983.00	
12	IP CCTV (Video Surveillance System)	53,976.40	
13	Roodent Repellent System	71,731.40	
14	Autometic Fire Supperession System (AFSS)	1,575,449.30	
	Total	6,272,729.77	
	VAT (10%)	627,272.98	
	Grand Total (Including VAT & Tax)	6,900,002.00	

Raised Floor		
Item Details	Qty	Unit
Solid Panel: ZTFloor Complete product package of Raised Floor Systems (ISO floor); Panel Size: 600 X 600 X 35 mm. Structure: Cement Infilled access floor panels are epoxy coated consisting of flat hard steel top sheet welded to a die formed steel bottom pan, Surface: laminate surface finish which is antistatic, extremely wear-resistant, and easy to clean; Steel Section Pedestal, Uniform Load : Minimum 990 kilogram-force/square meter. FFH 6 inch adjustable. (At Actual)	264	Sft
Insulation under Raised Floor	264	Sqft
Air Gromet	3	Nos
Double cup suction panel lifter.	1	Nos
Installation Accessories	1	Job

Power Infrastructure			
SL	Item Details	Qty	Unit
1	MDB & Utility DB: 16 & 18 SWG Sheet steel fabricated, wall mounting with top and bottom cable entry. Siemens gray powder-coated painting. Tropicalised design, indoor type, and low tension switchgear for 415/380 Volts, 50 Hz. Inside channel single door with a lock. Circuit Breaker: <u>Incoming :</u> 1 Nos 160A MCCB TP Schneider Electric <u>Outgoing :</u> 02 Nos 63A UPS Incoming MCB TP Schneider Electric 04 Nos 32A AC Incoming MCB TP Schneider Electric 04 Nos 6A SP Schneider Electric. 04 Nos 10A MCB SP Schneider Electric	1	Nos
2	UDB-1: 16 & 18 SWG Sheet steel fabricated, wall mounting with top and bottom cable entry. Gray powder-coated painting. Tropicalised design, indoor type, and low tension switchgear for 415/380 Volts, 50 Hz single door with a lock. Circuit Breaker: <u>Incoming :</u> 1 Nos 63A MCB DP Schneider Electric <u>Outgoing:</u> 5 Nos 32A MCB SP Schneider Electric	1	Nos

3	UDB-2 : 16 & 18 SWG Sheet steel fabricated, wall mounting with top and bottom cable entry. Siemens gray powder coated painting. Tropicalised design, indoor type, and low tension switchgear for 415/380 Volts, 50 Hz single door with lock. Circuit Breaker : Incoming : 1 Nos 63A MCB DP Schneider Electric Outgoing: 5 Nos 32A MCB SP Schneider Electric	1	Nos
4	Installation, Testing & Commissioning charge	1	Job

Electrical Cables			
SL	Item Details	Qty	Unit
1	MDB TO UPS-1& UPS-2 : Brand: BRB/BBS/ELCO Cable 4x10rm NYY Plained annealed Copper conductor. PVC insulated PVC shielded 1 core cable rated voltage: 600/1000V, Applicable Specification : VDE 0271, BDS 901:85, Permissible Voltage: 720/1200 Fixed: -40 to +70°C (at actual)	20	Mtr.
2	UPS to UPS DB 1&2: Brand: BRB/BBS/ELCO Cable 4x10rm NYY Plained annealed Copper conductor. PVC insulated PVC shielded 1 core cable rated voltage: 600/1000V, Applicable Specification : VDE 0271, BDS 901:85, Permissible Voltage: 720/1200 Fixed: -40 to +70°C (at actual)	20	Mtr.
3	UPS-1 & UPS-2 DB TO SERVER RACK: Brand: BRB/BBS/ELCO Cable 3x6rm NYY Plained annealed Copper conductor. PVC insulated PVC shielded 3 core cable rated voltage: 600/1000V, Applicable Specification : VDE 0271, BDS 901:85, Permissible Voltage: 720/1200 Fixed: -40 to +70°C (at actual)	80	Mtr.
4	MDB TO AC WARING CABLE : Brand: BRB/BBS/ELCO cable 4x6 rm BYA Plained annealed Copper conductor. PVC insulated PVC shielded 1 core cable rated voltage: 600/1000V, Applicable Specification : VDE 0271, BDS 901:85, Permissible Voltage: 720/1200 Fixed: -40 to +70°C (at actual)	40	Mtr.
5	Earthing cable for AC, raised floor and Rack: Brand: BRB/BBS/Elco Cable 1X 2.5 re BYA Plained annealed Copper conductor. PVC insulated PVC shielded 1 core cable rated voltage: 600/1000V, Applicable Specification : VDE 0271, BDS 901:85, Permissible Voltage: 720/1200 Fixed: -40 to +70°C (at actual)	60	Mtr.

6	Earthing cable for power All DB Board & UPS with battery bank: Brand: BRB/BBS/ElcoCable 1x10 rm BYA Green Plained annealed Copper conductor. PVC insulated PVC shielded 1 core cable rated voltage: 600/1000V, Applicable Specification : VDE 0271, BDS 901:85, Permissible Voltage: 720/1200 Fixed: -40 to +70°C (at actual)	20	Mtr.
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Cable Tray And Ladder			
SL	Item Details	Qty	Unit
1	Power Cable Tray : 18 SWG Sheet steel fabricated wall and Floor mounting with inside cable laying with cover. Siemens gray power coated Black color painting. 4"X4" (Box Type) (At Actual)	30	RFT
	Network Cable Tray : 18 SWG Sheet steel fabricated wall and Floor mounting with inside cable laying with cover. Siemens gray power coated Black color painting. 4"X4" (Box Type) (At Actual)	30	RFT
2	20w 1'X1' Led Light Panel Brand: Click	7	nos
3	Emergency lamp Brand: Taifun/Firefly or equivalent	2	nos
4	13A -5 pin power socket Brand: Superstar	10	nos
5	Accessories	1	Lot
6	Installation, Testing & Commissioning	1	Job

On-Line UPS-20 KVA- 30 Minutes Backup			
SL	Description	Qty	Unit
1	Brand : APC Model: E3SUPS20KH Capacity : 20KVA Backup time: 30 Minute INPUT They Phase "3 Phase + Neutral+Ground, 380V/400V/415VAC(Line to - Line))" Voltage Range"304-478Vac(Line to Line), Full Load 228V-304Vac (Line to Line), Load decreases linearly according to the min phase voltage" Frequency Range 40Hz to 70Hz Power Factor >0.99 THDi <4% for linear load, <3% for non- linear load OUTPUT Voltage Single Phase 220/230/240 VAC Management: SNMP and web browser	2	No
2	BATTERY (32 Batterues for each UPS Set) Battery Brand: KENSON Orgin: Korea KS12-26AH Battery Capacity: 12V26Ah/10HR Quantity: 32 Unit Including sufficient battery charger, cables etc.		
3	BATTERY CABINET & BCB PANEL Battery Cabinet Size : (Suitable size As per Room Measuremet)	2	Nos
4	Installation with all accessories	2	Nos
5	Installation Testing and Commissioning for UPS & Battery	1	Lot

Surge Protection Device			
SL	Description	Qty	Unit
1	Brand : Schneider Model : A9L40601 Poles description 3P + N Surge arrester type Electrical distribution network Earthing system TT Complementary Remote signalling Without Surge arrester class type Type 2 Surge arrester technology MOV + GDT [Ue] rated operational voltage 230 V AC 50/60 Hz 400 V AC 50/60 Hz Nominal discharge current Common mode: 40ka kA L/PE	1	Nos

	Common mode: 40 kA N/PE Differential mode: 40 kA L/N Maximum discharge current Common mode: 40 kA L/PE Common mode: 40 kA N/PE Differential mode: 40 kA L/N continuous operating voltage Common mode: 340 V L/PE Common mode: 260 V N/PE Differential mode: 340 V L/N protection level 1.4 kV type 2 differential mode L/N		
	1.4 kV type 2 common mode N/PE device type Associated circuit breaker 40 A Icu 20 kA at 230 V Local signalling Flag Mounting mode Fixed Mounting support 35 mm symmetrical DIN rail 9 mm pitches 8 Height 81 mm Width 72 mm Depth 69 mm Response time <= 25 ns Connections - terminals Tunnel type terminal upside 2.5...35 mm ² Tunnel type terminal downside 2.5...35 mm ²		

Comfort Air Conditioner for Server & Power Room			
SL	Item Details	Quantity	Unit
1	Floor Stand AC for NOC room Brand: Gree Brand Origin: China Manufacturer : China Capacity : 2.0 ton	2	Nos
2	CAC for Power & Battery room split type Brand: Gree Brand Origin: China Manufacturer : China Capacity : 2 ton	2	Nos
3	ACP (Adjustable Time- Automatic Control Panel) Brand: Local Model: Standard Country of Origin: Bangladesh	2	Nos
4	Installation including piping, cabling, hanger etc. in turnkey.	4	Unit

Dehumidifier for Server & Power Room			
SL	Item Details	Qty	Unit
1	Brand: Gree Origin: China Technical Specification:- Country of Manufacturer: China Description: Water Overflow Protection Filter Clearing Reminder Timer Self Diagnosis Auto Restart 0.5W Standby Free of the hassle of pouring water away yourself Operate finely at 5°C Low-Temperature Operation, making you enjoy the fresh air in any environment	2	Nos
2	Installation, Testing & Commissioning charge	Job	1

Environment Monitoring System (EMS)			
SL	Item Details	Qty	Unit
1	Master Controller Brand: NTI Model: Enviromux 2D	1	Nos
2	Temperature and Humidity Sensor Brand: NTI	2	Nos
3	Siren & Strobe Light/Alarm Beacon Brand: ASENWIRE or Equivalent	1	Nos
4	Installation, Testing and Commissioning with all accessories	1	Jobs

Structured Network Cabling and Accessories				
SL	Item	Description of Items	Quantity	Unit
	Item	Server & Network Rack		
1	Brand	APC		
2	Origin of the Brand	USA		
3	Country of Manufacturer	APC Global Factory (India/China)		
4	Model	AR 3100 & ER 8222		
5	Rack Enclosure	Supply, Assembly and Installation of UL listed Server Racks		

6	Server Rack	Cabinet Minimum - 42U– 600mm Width x 1070mm Depth x 1978mm Height	2	Nos
7	Network Rack	Cabinet Minimum - 42U– 800mm Width x 1200mm Depth x 1978mm Height	1	Nos
8	UTP Patch Panel with Wire Manager	Safenet P/N: 10-1240BK 24 Port Full Loaded Patch Panel with Cat6 cable punching included.	4	Nos
9	48 Port Fiber Patch Panel Brand: Safenet	P/N: 1000-2480BK; 48-Port Rack Mount ODF with Sliding Kit (Duplex LC Type Adapter and Pigtail)	1	Nos
10	D-Ring Fiber Manager Brand: C.TECH	P/N: CT9345-220-1U; 1U Fiber Management Panel on Front Duct	3	Nos
11	Fiber Patch Cord 3M Brand: Safenet	P/N: 2422-3031YL; SM Duplex OS2 Fiber LC/APCLC/APC Patch Cord LSZH 2.0mm-3M	20	Nos
12	32A Industrial PDU Brand : APC	Model : EPDU1132M EPDU1132M Product picture Schneider Electric APC Easy Rack PDU, Metered, oU, 1 Phase, 7.4kW, 230V, 32A, 20 x C13 and 4 x C19 outlets, IEC60309 2P+E inlet	6	Nos
13	Automatic Transfer Switch Brand: APC	Model: AP4424A 32A, 230V, 2 IEC 309 IN, 16 C13, 2 C19 OUT, 50/60 Hz Seamless switching with transfer time < 10ms Minimized downtime disruption with Field-replaceable NMC Monitor temperature and humidity efficiently Dual input power cords to enhance uptime for critical loads Connect and manage up to 32 Rack ATSS from one IP address	1	Nos
14	INDUSTRIAL SOCKET & PLUG (32 Amp) Brand: Schneider	Origin: 83116 & 32A 2P+E 3-Pin socket with earthling point, 220v~250v AC, IP44 Wall, Maximum Current 32Amps Operating Temperature: <-5°C~55°C>, with protected cover and gripper.	6	Nos
15	Installation Testing and Commissioning for Structured Network		1	Job

Access Control System			
SL	Item Details	Quantity	Unit
1	Fingerprint Standalone Access Control and Time Attendance: Brand : Enviz Model : VF30 Pro Reader Supported User 5,000 Fingerprint Capacity 3,000 ID Card Capacity 5,000 Log Capacity 1,00,000 Display TFT LCD Color Screen RS232/485, TCP/IP, USB-host	2	Nos
2	Exit Reader Brand: Anviz Model: T5S Authentication Mode: Finger + Card	2	Nos
3	Electromagnetic Lock: Power-on to lock Holding Force: 280kg Working Voltage: DC12V/24V input Weight: 1.9kg Size: 250L×47W×25.5Hmm Lock Indicator	2	Nos
4	ZL Bracket: To install the lock body	2	Nos
5	Accessoris : Accessories for Access Control	1	Lot
6	Installation Testing and Commissioning for Access Control	2	Nos

IP CCTV (Video Surveillance System)			
SL	Item	Quantity	Unit
1	PoE CCTV Camera: Brand : Tiandy Model : TC-C34XN	5	Nos
2	PoE NVR Brand : Tiandy Model : TC-R3108 PoE 8 channel NVR Plug & Play 8 channel IP Camera H.265/H.264 VGA/HDMI output 1080P 1 SATA port, 1 X 8 TB HDD	1	Nos

3	Accessoris : Accessories for IP Camera UNV UTP CAT6 Cable, RJ45 Connectors, Pipe & related accessories etc	1	Lot
4	Installation Testing and Commissioning for IP Camera	1	Job

Roodent Repellent System			
SL	Item Details	Qty	Unit
1	Roodent Controller: Model: VHFO V2. Brand: Maser Electronics Origin:INDIA Area Covarage: 3600 Sqft. in a dedicated Connection & 7200 in a Looped Connection. Transducer: 12 in dedicated connection, 24 in dedicated connection Operating frequency: Above 20 KHz. Sound Output : 50dB to 110dB Power Consumption: pls mention Dimension: Pls mention Mounting : Wall/ Table Mounting Power Consumption : 15 Watts (Approx)	1	Pcs
2	Transducer: Model: VHFO V2. Brand: Maser Electronics Origin:INDIA Sound Output:50 db to 110 db. (Variable) Operating Frequency : Above 20 Khz. Area Covarage : 150 - 300 sqft er Transducer	8	Pcs
3	PVC Pipe , Conduit & Other Accessories	1	Lot
4	Installation, Testing and Commissioning	1	Job

Autometic Fire Suppression System (AFSS)				
SL	Item	Description of Items	UOM	Unit
Suppression Agent				
1	Fire Detection, Alarm and Suppression System	Supply, Installation, Testing and Commissioning of auto Fire Detection, Alarm and Suppression System for Server and Power Room. Two 46.8L& 26.8 LCylinder For Power Room & Server Room with 42 Kg NAFS-125 Gas.	Lot.	1

Gas for Server Room & Power Room	NAFS125		
Brand	Safety Hitech		
Country of Origin	Italy		
Country of Manufacture	Italy		
Accessories for Cylinder	Cylinder Back Rack, Cylinder Front Strap, Pressure Gauge, Cheek Valve, Manual Actuator, Aluminum Dip Tube, Actuator Block inch TEDEM +SOLENOID, Connection Hose/Pilot Hose		
Safe Human Expose Time	5 min		
Discharge Time	±5 sec		
Storage Pressure	42 bar		
Type	Clean Agent Suppression System		
Molecular Weight	170.03		
Boiling Point @ 760 mm Hg	3.9°F (-15.6°C)		
Temperature Range	32°F to 130°F (0°C to 54.4°C)		
Critical Pressure (psia)	422 psia (2912 kPa)		
Critical Density (lbm/ft³)	38.8 (621 kg/m³)		
Vapor Pressure (psia) @ 77°F (25°C)	66.4 (457.7 kPa)		
Freezing Point	-204°F (-131.1°C)		
Viscosity, Liquid (lb/ft/hr) @ 77°F (24°C)	0.443 (0.184 centipoise)		
Normal Supply Voltage	24 VDC		
Specific Heat, Liquid (BTU/lb-F°) @ 77°F (25°C)	0.283 (1.184 kJ/kg/°C)		
Heat of Vaporization (BTU/lb) at Boiling Point	57.0 (132.6 kJ/kg)		
Certification and Listing	UL Recognized and US EPA SNAP Listed gaseous extinguishing agent		
Cylinder	Safety Hitech		
Brand	Safety Hitech		
Country of Origin	Italy		

	Origin of the Brand	Italy		
DETECTION SYSTEM (Fire suppression Zone)				
2	Control Panel	2 Extinguishing Area Control Panel with Gas release	1	Nos
	Brand	Program		
	Origin of the Brand	Malaysia		
	Working Method	The gas discharge can be automatic using double knock detections or manual using electrical key switch.		
	Indicators	Power Source, Power Failure, Zone Fire, Fault and Isolate, Bell Isolate, Auxiliary Trip Isolate, Gas Isolate.		
	Switch	Bell Isolate, Auxiliary Trip Isolate, Gas Isolate, Fault Buzzer Mute, Master Reset, Main on/off, Test Battery.		
	Power Supply Input	240V AC 50Hz		
	Operating / System	24V DC		
	Charger	Auto / Trickle		
	Cabinet	The system is housed in a compact enclosure, finished with signal red epoxy powder paint.		
	Battery	Rechargeable Seal Lead-Acid Battery for control panel, 12V each 7 ah Brand: KENSON	2	Nos
3	Heat Detector	Conventional Heat Detector	4	Nos
	Brand	Context Plus		
	Origin of the Brand	EU		
	Supply Voltage	9to 33V		
	Alarm Indication	Red LED		
	Alarm Current	52mA, at 24V		
4	Smoke Detector	Photo Electric Smoke Detector.	4	Nos
	Brand	Apollo		
	Origin of the Brand	EU		
	Supply Voltage	9to 33V		
	Alarm Indication	Red LED, Flashing LED		
	Alarm Current	52mA, at 24V		
5	Flashing Light	Flashing light	2	Nos
6	Alarm Bell	Output: 1Meter@95dBA, 3Meter@92dBA, Current Consumption: 25mA, Dimensions: 6".	2	Nos
7	Call Point	Manual Release or Break Glass	2	Nos
8	Exit Sign	Exit Sign	2	Nos

9	Gas Discharge Sign	Gas Discharge Sign	2	Nos
10	Caution Sign	Caution Sign	2	Nos
Mechanical and Electrical fittings				
11	Accessories for suppression Channel	Schedule 40 MS pipe Dia & Size as Per Hydrollic Calculation for te room	1	Lot
		Fire resistance cable, BRB		
		Best Quality Local Painting, Berger or equivalent		
		PVC Pipe ¾" conduit, fittings		
		Others		
12	Gas Discharge Nozzle	MS Nozzle for Gas Discharge; UL Listed	4	Nos
13	Installation	Installation, Testing & Commissioning charge	1	Job
14	Warranty	3 year full warranty with parts for the cylinder & labour (except consumeable items)	1	Job

Terms and conditions:

- **VAT & AIT: Included**
- **Payment Terms: 50% Advance with PO, 30% after Delivery & rest 20% after Installation.**
- **Warranty: One Year.**
- **Delivery: Ready Stock without Fire Item & Rack.**
- **Price Validity: 27th March 2025.**
- **Price is valid for this configuration Only.**
- **Price may vary due to any change in the currency exchange rate.**
- **If the Government applies new Customs duty, a new rate will be applicable**



Thank You



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