

# WEBEL TECHNOLOGY LIMITED

## CORRIGENDUM – VI

### TENDER NO. WTL/WBSDC/CE/21-22/027 DATED 06.12.2021

Sl. No.	Section No.	Page/Clause No.	Clause No./Description	Clarification / Revised clause
1	SECTION - D. INSTRUCTION TO BIDDER	Page No. 33	“Similar Nature of Work” means AMC support of Hardware items and Networking Components	“Similar Nature of Work” means " Supply, Installation, Commissioning, Testing & AMC of IT Hardware, Software and Networking items.”
2.	SECTION – I BOM	Page No. 64 (Sl. No. 27)	UPS 80 KVA with 30 mins battery backup for uninterrupted power supply to active tiles with necessary electrical cabling	UPS 80 KVA with 30 mins battery backup for uninterrupted power supply to active tiles with necessary electrical cabling including ATS for switching between two power sources.
3.	SECTION – I BOM	Page No.64 (Sl. No. 29)	Rack Containment Zone Net Work and Server Racks - Supply, Installation, Testing & Commissioning of 42U Server Cabinet with Extruded Aluminium Profile based frame with top panel; having Static load bearing capacity of 1300 Kg as per Tender specifications. . Dimensions: 2100mm x 750mm x 1200mm all complete as required and as per detailed specifications. Racks, PDUs, containment should be from same OEM.	Rack Containment Zone Net Work and Server Racks - Supply, Installation, Testing & Commissioning of 42U Server Cabinet with Extruded Aluminium Profile based frame with top panel; having Static load bearing capacity of 1300 Kg as per Tender specifications. . Dimensions: 2100mm x 750mm / 800mm x 1200mm all complete as required and as per detailed specifications. Racks, PDUs, containment should be from same OEM.
4.	SECTION – I BOM	Page No. 64 (sl. No. 33)	Supply, Installation, testing and integration with existing infra, Commissioning & Integration of Single Phase 32 A , 7 kW Zero U Vertical Rack IPDU with combination of C 13 and C 19 sockets of total	Qty Change from 28 nos to 30 Nos.

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			36 Nos. VDE Certified & ROHS Compliant as per technical specifications	
5.	SECTION – I BOM	Page No. 67 (Sl. No. 62)	4 Run X 25 sq.mm. copper flexible cable for 40 KVA UPS Input and Output cable	4 Run X 25 sq.mm. copper flexible cable for 80 KVA UPS Input and Output cable
6.	SECTION – I BOM	Page No. 68 (Sl. No. 85)	UPS 3x20 KVA Modular UPS with 30 mins battery backup and all accessories (expandable upto 4x20 KVA)	UPS 3x20 KVA Modular UPS with 30 mins battery backup in single cabinet and all accessories (expandable upto 4x20 KVA modules)
7.	SECTION – I BOM	Page No. 67 (Sl. No. 68)	Supply fixing and commissioning of power points for server racks including 32 A 3 pin industrial socket	Qty change from 10 to 14.
8.	SECTION – I BOM	Page No.: 76 (Sl. No. 286)	Capacitor Bank change of old UPS FY-21-22	Capacitor Bank change of old UPS FY-21-22 for VERTIV make UPS.
9.	SECTION – I BOM	Page No.: 76 (Sl. No. 287)	Capacitor Bank change of old UPS FY-24-25	Capacitor Bank change of old UPS FY-24-25 for ETON make UPS
10	SECTION – I BOM	Page No. 73 (Sl. No. 219)	AMC/Support Cost for PAC, UPS, Panel & DG. (1st Floor)FY-23-24	AMC / Support Cost for PAC, UPS, Panel & DG. (1st Floor)FY-22-24. Qty change from 1 year to 2 years.
11	SECTION – I BOM	Page No. 73 (Sl. No. 220)	AMC/Support Cost for PAC, UPS, Panel & DG. (1st Floor)FY-24-25	AMC/Support / REPLACEMENT Cost for PAC, UPS, and Panel & DG. (1st Floor))FY-24-25
12	SECTION – I BOM	Page No. 73 (Sl. No. 221)	AMC/Support Cost for PAC, UPS, Panel & DG. (1st Floor)FY-25-26	AMC/Support / REPLACEMENT Cost for PAC, UPS, and Panel & DG. (1st Floor))FY-25-26
13	SECTION – I BOM	Page No. 63 (sl. No. 3)	Blade server with 2 x Intel 6238R 2.2GHz/165W 28C/38.5MB, 1536GB DDR4 2933MHz mem, 2x960GB 12G SAS 10K RPM SFF HDD, 12G SAS RAID controller with Drive bays	Blade server with 2 x Intel 6238R 2.2GHz/165W 28C/38.5MB, 1536GB DDR4 2933MHz mem, 2x960GB 12G SAS 10K RPM SFF HDD, 12G SAS RAID controller with Drive bays OR Equivalent as per detail specification.

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14	SECTION – I BOM	Page No. 63 (sl. No. 4)	Blade Chasis with converged network connectivity for 4x32GB FC, 4x10G FCOE and 2x40G connectivity, Redundant 2500W Platinum AC Hot Plug Power Supply	Blade Chasis with converged network connectivity for 4x32GB FC, 4x10G FCOE / Equivalent and 2x40G connectivity, Redundant 2500W Platinum AC Hot Plug Power Supply OR Equivalent as per detail specification
15	CORRIGENDUM- III	Page No.: 7 (SL. No. 23) CONTRACT EXECUTION	Revised Clause: All delivery of the material will have to be completed within 8 weeks from the date of acceptance of contract and the contractor has to ensure all activities leading to the commissioning of the contract to be completed within 12 weeks from the date of award. Subsequent to the award of contract, the contractor will have to arrange for the requisite Material as per BOM.	Revised Clause: All delivery of the material will have to be completed within 12 weeks from the date of acceptance of contract and the contractor has to ensure all activities leading to the commissioning of the contract to be completed within 16 weeks from the date of award. Subsequent to the award of contract, the contractor will have to arrange for the requisite material as per BOM.

### SECTION – I

#### BILL OF MATERIAL WBSDC CAPACITY AUGMENTATION

Sl. No.	Item Description	Item Code / Make	Quantity	Units
1	2	3	4	5
1	HPE Storage DC (Primera 650) - 450TB upgrade to 650TB USABLE space (+100TB SSD + 100TB SAS)	ID01	1	Lot

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2	Netapp Storage DC (AFF-A700) - 170TB upgrade to 430TB USABLE space (+260TB SSD)	ID02	1	Lot
3	Blade server with 2 x Intel 6238R 2.2GHz/165W 28C/38.5MB, 1536GB DDR4 2933MHz mem, <b>2x960GB</b> 12G SAS 10K RPM SFF HDD, 12G SAS RAID controller with Drive bays OR Equivalent as per detail specification	ID03	18	Nos
4	Blade Chasis with converged network connectivity for 4x32GB FC, 4x10G FCOE/Equivalent and 2x40G connectivity, Redundant 2500W Platinum AC Hot Plug Power Supply OR Equivalent as per detail specification	ID04	3	Nos
5	Rack Server with 2 x <b>Intel latest generation Xeon®</b> Gold Ice Lake Processors with minimum 2.0 Ghz & 32Core per socket and 48 MB Cache., 768GB DDR4 2933MHz mem, <b>4x1.2TB</b> 12G SAS 10K RPM SFF HDD	ID05	5	Nos
6	Red Hat Cloud Infrastructure, Premium (2-sockets) with support for 3 years	ID06	10	Nos
7	High Availability for Unlimited Guests with support for 3 years	ID07	10	Nos
8	DCO, Capacity & ITO Software License for DCIM - <b>20 Each</b>	ID08	1	Lot
9	EDB Postgres Enterprise Unicore per year license - Production DB Support Plan for 3 years	ID09	16	Nos
10	EDB Postgres Enterprise Unicore per year license - Replica DB Support Plan for 3 years	ID10	16	Nos
11	EMS Software per device for 3 years (as per technical spec.)	ID11	200	Nos
12	Red Hat Enterprise Linux for Virtual Datacenters, Standard with support for 3 years at SDC	ID12	8	Nos
13	Red hat Openshift Container Platform (Bare Metal Node) with run time, Premium, 1-2 Nodes upto 64 Cores for 3 years	ID13	4	Nos
14	Version Control Software with Functional test automation - 10 Concurrent User, Load runner professional foundation - qty 1 (500 virtual users) and Application Life Cycle Manager - 10 concurrent user license with support for 2 years	ID14	1	Lot
15	MS SQL Standard Latest version	ID15	2	Nos
16	My SQL enterprise version (3 years)	ID16	2	Nos
17	Lotus Domino/ MS Exchange/ Equivalent Email software with 250 user mail box with all security features	ID17	1	Set
18	DDoS First 2 Years - BOQ - DDoS Protector appliance with SME Dual Power Supply DC	ID18	2	Nos
19	10Gbps Pluggable Optics (XFP) Multimode SR for DDOS	ID19	2	Nos
20	Deployment of DDoS Protector in basic configuration at the customer site, including configuration, testing and tuning	ID20	2	Nos
21	DDoS Management VA2 Virtual Appliance for management of 2 DDoS Protector physical devices for 2Y	ID21	2	Nos
22	SOAR (Security Orchestration Automation Response) - Simplify Platform Base Package Premium. Includes: 2 years License for Platform, 3 analyst seats, 5 Advanced Reporting Users, 24x7 Premium support for 2 Years including implementation & training	ID22	<b>1</b>	Nos
23	Deep Security Software - Deep Security - Enterprise - per Server (VM)	ID23	150	Nos

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24	DDAN-Deep Discovery Analyzer	ID24	1	Nos
25	VTL SYSTEM,DD4200,CTL,NFS,CIFS - CAPACITY UPGRADE to 75TB	ID25	1	Nos
26	Integration of VTL with Commvault Tape Library	ID26	1	Lot
27	UPS 80 KVA with 30 mins battery backup for uninterrupted power supply to active tiles with necessary electrical cabling including ATS for switching between two power sources.	ID27	1	Nos
28	LTO 7 Tapes for Data Backup	ID28	100	Nos
29	Rack Containment Zone Net Work and Server Racks - Supply, Installation, Testing & Commissioning of 42U Server Cabinet with Extruded Aluminium Profile based frame with top panel; having Static load bearing capacity of 1300 Kg as per Tender specifications. . Dimensions: 2100mm x 750mm / 800mm x 1200mm all complete as required and as per detailed specifications. Racks, PDUs, containment should be from same OEM.	ID29	14	Nos
30	Active tiles for 2nd,3rd & 4th containment	ID30	16	Nos
31	Perforated tiles for 3rd & 4th containment	ID31	20	Nos
32	Supply, Installation, Integration with existing infra, Testing & Commissioning of 42U Server Cabinet Extruded Aluminium Profile frame with top panel; having static load bearing capacity of 1300 Kg as per Tender specifications. . Dimensions: 2200mm x 800mm x 1200mm all complete as required and as per detailed specifications. Racks, PDUs, containment should be from same OEM	ID32	1	Nos
33	Supply, Installation, testing and integration with existing infra, Commissioning & Integration of Single Phase 32 A , 7 kW Zero U Vertical Rack IPDU with combination of C 13 and C 19 sockets of total 36 Nos. VDE Certified & ROHS Compliant as per technical specifications	ID33	30	Nos
34	Supply, Installation, Testing and intregation with existing infra, Commissioning of Universal Cold Aisle Containment including wall beams, end-of-row frames, dual sliding doors with provision for CCTV Cameras , FAS detectors (Width - 1200mm), necessary passive cabling, all complete as required and as per detailed specifications.( for existing and new containment)	ID34	1	Set
35	Supply, Installation, Testing and intregation with existing infra, Commissioning of CCTV camera near BMS corridor, 4kl UG Fuel tank, First floor entry, Landing room	ID35	5	Nos
36	Dismantling of existing false celing and existing electrical wiring, DBs, Fire fighting system and Modification of AC duct and opening of Exit Door at DR Site	ID36	1	LS
37	<b>Mineral Fiber Ceiling</b> False Ceiling of Mineral fiber board at appropriate height should be installed concealing any cabling tray and electrical lighting wiring in all areas except server / network room. The False Ceiling tile should be Dust free type and of Non-combustible material. 1200 mm cross tee at every 600 mm c/c and 600mm cross tee at every 1200mm c/c max and wall angle all around the wall to form a grid of 600 mm x 600 mm and suspending the grid using 2mm GI rod and 6 mm raw plug at every 1200 mm	ID37	600	Sqft

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	intervals at the main tee and laying the Ceiling tiles of size 595 mm x 595 mm x 15 mm over the formed grid having fire rating of 60 minutes as per BS 476/23 of 1987, Noise reduction Coefficient (NRC) of 0.50-0.60, to resist temperature and humidity conditions up to 40degree (104deg. F) and humidity of 99% RH should be installed. All overhead cable trays will be secured to a rigid frame that carries the load either to the roof structure or to the floor slab.			
38	<p><b>Metal Ceiling for Server Room</b> False Ceiling of Metal board at appropriate height should be installed concealing any cabling tray and electrical lighting wiring in all areas except server/network room. The False Ceiling tile should be Dust free type and of Non-combustible material. 1200 mm cross tee at every 600 mm c/c and 600mm cross tee at every 1200mm c/c max and wall angle all around the wall to form a grid of 600 mm x 600 mm and suspending the grid using 2mm GI rod and 6 mm raw plug at every 1200 mm intervals at the main tee and laying the Ceiling tiles of size 595 mm x 595 mm x 15 mm over the formed grid having fire rating of 60 minutes as per BS 476/23 of 1987, Noise reduction Coefficient (NRC) of 0.50-0.60, to resist temperature and humidity conditions up to 40degree (104deg. F) and humidity of 99% RH should be installed. All overhead cable trays will be secured to a rigid frame that carries the load either to the roof structure or to the floor slab.</p>	ID38	600	Sqft
39	<p><b>Raised Floor- Supply &amp; Installation of stepped raised floor .The floor panels shall be of size 600mm x 600mm fabricated entirely from non-combustible component which shall be 100% interchangeable and shall consist of flat steel top sheet, resistance welded to steel bottom section finished with anti-corrosive and conductive paint. Pedestal assembling: Consisting of 100x100x2 mm thick galvanized MS base plate die-pressed fully welded to 1.6mm thick galvanized MS pipe to engage the Pedestal head assembly. The Pedestal head shall be 90x90mm, 4mm thk assembly consisting of an embossed steel plate having 4 holes with 6mm thk tapping for fastening of stringer and locating of Tile. Care to be taken to achieve the zero levelling.</b></p>	ID39	600	Sqft
40	Double Cup Tile Puller	ID40	2	Nos
41	<p><b>Ramp:</b> Its sub floor elements must be sufficient to support fully loaded heavy equipment weighing at least 1600 kilograms. Ramp will be having lines with non-skid type mats on lining. The angle of inclination for ramp should not be more than 10 degree.</p>	ID41	1	Job
42	<p><b>Steps:</b> Providing steps at the location shown in layout to match raised floor level to true floor level. The steps will be having lines with non-skid type mats on liningThe height of single step should not be more than 250 mm and width should not be less than 250 mm.</p>	ID42	1	Job
43	Tharmal insulation with 19 mm Nitrel rubber	ID43	1400	Sqft

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44	Providing and Applying approved Emulsion Low VOC paint in three or more coats of approved brand and shade to internal surfaces (walls / partitions/ ceiling or any other location as directed), to give an even shade to the approval of the engineer, including Putty & thoroughly brushing the surface free from foreign matter, sand papering smooth, filling in all holes and cracks , applying lambi / palti and rubbing down the surface, lambi/palti sandwiched with two coats of approved primer, rate to include all tools, labour, scaffolding, primer as required completed as directed by the engineer.	ID44	6400	Sqft
45	Fire Rated Paint with putty work for Server Room and Electrical Room	ID45	2500	Sqft
46	<b>Fire Rated Partition</b> : Providing and fixing in position full height partition wall of 100 mm thick fire line gyp-board partition using 12.5 mm thick double fire line gypboard on both sides with GI steel metal vertical stud frame of size 50 mm fixed in the floor and ceiling channels of 50 mm wide to provide a strong partition. Glass wool insulation inside shall be provided as required. Fixing is by self-tapping screw with vertical studs being at 610 mm intervals. The same should be inclusive of making cut-outs for switch board, sockets, grill etc. It shall also include preparing the surface smoothly and all as per manufacture's specification etc. finally finishing with one coat of approved brand of fire resistant coating. ( Server Room and Electrical Room )	ID46	2040	Sqft
47	<b>Non Fire Rated Partition</b> : Providing and fixing in position full height partition wall of 100 mm thick gyp-board partition using 12.5 mm thick double fire line gypboard on both sides with GI steel metal vertical stud frame of size 50 mm fixed in the floor and ceiling channels of 50 mm wide to provide a strong partition. Glass wool insulation inside shall be provided as required. Fixing is by self-tapping screw with vertical studs being at 610 mm intervals. The same should be inclusive of making cut-outs for switch board, sockets, grill etc. It shall also include preparing the surface smoothly and all as per manufacture's specification etc. finally finishing with one coat of approved brand of fire resistant coating.	ID47	1050	Sqft
48	Fire rated door 2400 x 1500 double leaf in equal door	ID48	2	nos
49	Panic bar for fire exit door	ID49	1	nos
50	Fire rated door 2400 x 1000 single leaf	ID50	2	nos
51	Main Flash Door at Data Centre Entrance double leaf 1500 x 2400	ID51	1	No
52	BMS and Manager Room Flash Door single leaf 1000 x 2400 mm	ID52	1	Nos
53	Liner work station	ID53	4	nos
54	Hydrolic lo back chair	ID54	10	nos
55	Cleanning & house keeping till hand over the project including debris cleaning and out from site.	ID55	1	job
56	Sinages as required considering all rooms, Danger plat, Push, Pull, Fire exit, Emergency exit,	ID56	1	job
57	Drawing & Design cost	ID57	1	Job
58	Strutural Steel with Stair case	ID58	1	LS

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59	<b>Main Power Distribution Panel</b> : Supply Installation testing commissioning for Main Data Centre Panel. making of CRCA powder coated sheet, Having Incommer 200 A 4 pole MCCB with 36 KA. Out Going : 100 A 4 pole MCCB 3 nos, 63 A 4 pole MCCB 4 Nos, 32 A 4 pole MCB 6 nos, with multifunction meter with communication port ( RS 485) & R,Y, B, ON, OFF, Trip Indication LED lamps & 500 A rated Aluminium bus bar.	ID59	1	nos
60	<b>UPS Output Panel</b> : Incomer 2 Nos 100A 4 Pole MCCB with Metering ( MFM with RS 485 Port , Indication lamp and control MCBs ) Outgoing 32A DP 18 Nos	ID60	1	nos
61	Lighting DBs, BMS DBs and Raw Power DBs	ID61	3	Nos
62	4 Run X 25 sq.mm. copper flexible cable for 80 KVA UPS Input and Output cable	ID62	100	Mtr
63	4 Core 240 sq.mm. AL. Armured cable Incomer Supply	ID63	100	Mtr
64	4 Run X 10 sq.mm. copper flexible cable for Lighting DB, Power DB , BMS DBs and PAC	ID64	600	Mtr
65	50 sq.mm. copper flexible cable for earthing.	ID65	300	Mtr
66	3 Core X 4 sq.mm. copper flexible cable for server rack	ID66	150	Mtr
67	Supply laying and commissioning of power points by 25 mm PVC conduit and 2.5 sqmm copper wire for power points and 1.5 sq.mm copper wire for lights points including modular switch sockets & all accessories.	ID67	25	points
68	Supply fixing and commissioning of power points for server racks including 32 A 3 pin industrial socket	ID68	14	nos
69	Supply Installation testing commissioning of chemical earthing with 17.5 sq.mm. copper bonded pipe for electrood, chemical compund as per ISI, Chamber High duty Polycarbonet cover etc.	ID69	6	nos
70	Supply and fixing of 25 x 6 mm G.I Strip for	ID70	300	Mtrs
71	Earh Bus bar box with copper strip	ID71	2	Nos
72	10 sqmm single core cable for DGs earthing, UPS earting and server Rack earthing	ID72	150	Mtrs
73	Light Point wiring with 3 x 1.5 sqmm copper flexible wire and PVC conduit with modular switch & accessories	ID73	30	Points
74	Light fixture 36W 2ft x 2 Ft LED tupe	ID74	24	Nos
75	Occupency Sensor	ID75	6	Nos
76	Cable tray and raceway :	ID76	1	Lot
77	300 x 50 mm Ladder G.I cable tray with support arrangement	ID77	150	Mtrs
78	200 x 50 mm G.I perforated cable tray with support arrangement ( Power )	ID78	100	Mtrs
79	200 x 50 mm G.I perforated cable tray with support arrangement ( Data )	ID79	40	Mtrs
80	MS structural Steel for cable tray support and Panel Base Frame	ID80	300	KG
81	Supply & Laying of Anti static rubber mate 1.1 kv tested for electrical room as per ISI	ID81	2	nos
82	Shock Treatment chart	ID82	2	nos
83	First Aid Box	ID83	1	nos
84	Cost for devloping of all GFC & As built drawings as per recomendated size encluding design .	ID84	1	Job



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85	UPS 3x20 KVA Modular UPS with 30 mins battery backup in single cabinet and all accessories (expandable upto 4x20 kva modules)	ID85	1	Set
86	Precision AC for DR Site Server Room as per detailed spec	ID86	2	Nos.
87	G I hard drawn drain piping	ID87	20	RMT
88	Supply, installation, testing & commissioning of GI class 'B' cut to required lengths and installed with all screwed joints, and providing and fixing in position with the necessary elbows, tees and reducers as per specifications. It shall be insulated with 9 mm thk nitrile rubber insulation. Humidifier Piping (assumption of 40 RMT/unit) 25mm dia all complete as required.	ID88	20	RMT
89	Supply, Lifting, shifting, & Installation of MS Stands for indoor PAC units with rubber pads. The frame shall be painted with one coat of metal primer two coats rust proof Epoxy Paint. The stand shall be Height adjustable type $\pm$ 25mm for Server Room stands all complete as required.	ID89	2	Nos
90	REFRIGERANT PIPING: Hard copper piping (7/8" Liquid + 1 1/8" Gas) along with closed cell elastomeric nitrile rubber insulation. Refrigerant pipe cost shall include required necessary supporting arrangement of hanging , wall fixed type. cost of wall chasing/ breaking and finish, etc all complete as required.	ID90	30	RMT
91	Refrigerant gas R410A all complete.	ID91	2	Lot
92	Refrigerant Oil all complete as required.	ID92	2	Lot
93	Supply, Laying, installation, Testing & Commissioning of Interconnection cable(3C X2.5 SQ MM, Armoured Cable) between Indoor & Outdoor units all complete.	ID93	50	RMT
94	Seq CAT6 cable for multiple Indoor units all complete.	ID94	20	RMT
95	Supply & Installation of MS Stands for outdoor PAC condenser units with rubber pads. The frame shall be painted with one coat of metal primer and two coats rust proof Epoxy Paint all complete.	ID95	2	Nos
96	Providing and Fixing of Fire Sealant to close the cut-outs of Cables, refrigerant pipes and tray all complete as required.	ID96	1	Lot
97	Copper piping with electrical wirings for the above	ID97	8	Nos
98	IT Hardware Requirement at DR Site: Blade Server AC2 Chassis with fans (As per details specification shared seperately	ID98	2	Nos
99	Blade With 02 CPU, <b>1TB</b> Memory, <b>2*960GB</b> SSD	ID99	6	Nos
100	SAN Switch : 16G FC switch, w/ 48 active ports + 16G SW SFPs	ID100	2	Nos
101	Certificate Server/Rack Server	ID101	4	Nos
102	Desktop Computer set	ID102	4	Nos
103	L3 Switch 48 port	ID103	2	Nos
104	L2 Switch	ID104	3	Nos
105	Router	ID105	2	Nos
106	IT Software Requirement at DR Site: Red Hat Cloud Infrastructure, Premium (2-sockets with guest OS) open Stack with Smart Management	ID106	3	Nos

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107	High Availability for Unlimited Guests	ID107	3	Nos
108	VMware vCloud Suite Subscription- per CPU per year Commitment Plan - 60 month Prepaid + Vcentre 1 Nos	ID108	4	Nos
109	EMS Software per device/VM for 5 years	ID109	50	Nos
110	Deep Security - Enterprise - per Server (VM) for 5 years	ID110	20	Nos
111	Redhat Enterprise Linux Standard for virtual Datacentres with 1 Yr Standard Subscription for 5 years for DR site	ID111	2	Nos
112	HPE SAN Storage with 650 TB NL SAS usable space + 50 TB SSD usable space at DR for replication with existing DC HPE Primera 650 storage usable space	ID112	1	Lot
113	NetApp SAN Storage with 370 TB NL SAS usable space + 100 TB SSD usable space at DR for replication with existing DC Netapp Storage AFF-A700	ID113	1	Lot
114	Enterprise Firewall as per specification mentioned/Equivalent	ID114	1	Nos
115	24 Port (all) PoE+(190W) switch with 2 SFP uplink ports for CCTV	ID115	1	Each
116	10M HDMI CABLE.	ID116	5	Mtr.
117	Performance Lite 2 MP IP Eyeball Camera Fixed lens.	ID117	10	Each
118	CAT 6 Cable	ID118	1000	RMT
119	Performance Lite 2 MP IP Bullet Camera Fixed lens.	ID119	2	Each
120	H265 4K 32CH NVR NO POE.	ID120	1	Each
121	Conduit 25 mmm PVC	ID121	600	RMT
122	49" Colour Monitor Industrial duty	ID122	1	No
123	9 U Network Rack	ID123	1	nos
124	2 door access Controller	ID124	3	nos
125	Supply of SMPS for Door Controller.	ID125	4	Nos.
126	Supply & Installation of Door controller Enclosour.	ID126	3	Nos.
127	Biometric Reader	ID127	2	Nos.
128	Card Reader	ID128	4	Nos.
129	Supply of "L" and "U" Bracket.	ID129	4	Nos.
130	Double Door EM Lock 600 lbs with LED	ID130	2	Nos.
131	Z bracket for 600lbs EM Lock.	ID131	8	Nos.
132	600lbs electromagnetic lock unmonitored type 12V LED Lamp Only for Singleleaf door.	ID132	4	Pcs.
133	MAGNETIC CONTACT 2 WIRE.	ID133	8	No.
134	Supply of ACS Workstation Intel® Quad Core, 2.8GHz or higher, 8 GB RAM, 100 GB free disk space, Dual Ethernet 10/100MBs, Software Requirements: * Microsoft Windows 10 (Enterprise) 64-bits * Microsoft .NET Framework v4.0	ID134	1	Set
135	Exit Button 3 inches X 1 inch.	ID135	6	Nos.
136	Smart Access Card	ID136	25	Nos
137	Access Control software	ID137	1	nos
138	Supply Installation Testing & Commissioning of addressable Optical Smoke Detector, Smoke Detection by : Photo-electric light scattering.	ID138	34	Nos
139	Supply Installation Testing & Commissioning of addressable Heat Detector, Detection Technology : Thermistor / ROR	ID139	2	Nos

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140	Supply Installation Testing & Commissioning of Addressable Manual call point with built in isolator and DIL switch for Address Setting	ID140	6	Nos
141	Supply Installation Testing & Commissioning of The Loop Powered 100 dB Sounder Base with Beacon	ID141	5	Nos
142	Supply Installation Testing & Commissioning of Addressable Control Module	ID142	6	Nos
143	Supply Installation Testing & Commissioning of Addressable Monitor Module	ID143	3	Nos
144	Supply Installation Testing & Commissioning of Addressable Isolator module	ID144	2	Nos
145	Supply Installation Testing & Commissioning of 2 Loop Fire Alarm Panel with 126 Addresses per Loop, Battery and accessories as per requirement. Battery Back-up	ID145	1	Nos
146	2 core x 1 sqmm Copper Flexible FRLS Cable	ID146	500	Mtrs
147	20 mm PVC Conduit	ID147	200	Mtrs
148	ABC Type Fire Extinguisher 5 Kg	ID148	6	Nos
149	SITC of short wavelength laser based ultra high sensitive aspiration smoke detector as per detailed spec	ID149	1	LOT
150	SITC of Power Supply units - Power supply unit with 110/230VAC input and 18 to 29VDC output. The power supply unit has the following indications: OK - Green LED and Fault - Yellow LED Power supply unit should have capacity to operate on battery backup in case of AC mains failure & should have built in charging circuit for batterys.	ID150	1	No
151	SITC of Trunk Adaptor, Capillary Tube Connector, Capillary Tube, Capillary Sampling Point, Sampling point label red (complete set) for air sampling in room voids for area having false ceilings.	ID151	9	Nos.
152	SITC of Sampling Pipe having Smooth bore PVC Pipe 25mm Outer Dia & 19 to 21mm Inner Dia with all required accessories.	ID152	40	mtr
153	Supply, Installation, Testing and Commissioning of 2 ZONE Water Leak Detection Panel (for server Room and Electrical Room)	ID153	2	Nos.
154	Water Leak detection Cable Sensor – 25 mtrs	ID154	4	Nos.
155	Electronic Hooter	ID155	2	Nos.
156	SITC of 2 x 1.0 sq mm screened copper flexible cable	ID156	20	Mtrs
157	SITC of Main Rodent Controller suitable to connect 24 Satelites @ 300sft at room area and 150 at ceiling and floor area. Server Room	ID157	1	Nos.
158	SITC of Satellite Stations / Transducers covering	ID158	12	Nos.
159	Cable and Conduits	ID159	1	Lot
160	2 core 1 sq.mm Cu. Flexible Shielded cable @ 275 meter each coil	ID160	2	Mtrs.
161	20 mm PVC Conduit	ID161	20	Mtrs.
162	Console	ID162	2	Nos.
163	Stand Brackets	ID163	2	Nos.
164	<b>120 ltrs</b> Tank and valve assembly with solenoid actuator, straps Empty (fill 60 - 100 Kgs.)	ID164	<b>2</b>	Nos

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165	Fire Suppression Fluid Novec1230, OEM Factory Fill per KG	ID165	198	kg
166	Cylinder Accessories	ID166	1	Lot
167	Cylinder strap	ID167	1	Lot
168	Pneumatic Actuator Shipping assembly	ID168	1	Lot
169	Local Manual actuator	ID169	1	Lot
170	Flexible discharge Hose -49 mm / SWIVEL ADAPTOR	ID170	1	Lot
171	Flexible Actuation Hose / Pilot hose	ID171	1	Lot
172	Nozzles, Brass drilled -360/180 deg throw selection	ID172	1	Lot
173	LED type display sign board flashing with inbuilt Sounder "EVACUATE GAS RELEASED" & "DO NOT ENTER"	ID173	1	Nos
174	49 mm MANIFOLD CHECK VALVE	ID174	1	Nos
175	PRESSURE SWITCH - DPST	ID175	1	Nos
176	MANUAL RELELASE SWITCH	ID176	1	Nos
177	ABORT SWITCH	ID177	1	Nos
178	M.S. Seamless pipes as per ASTM A 106 Gr. B, schedule 40 with necessary Fittings & Hangers.	ID178	1	lot
179	2 WAY MANIFOLD	ID179	1	lot
180	MS Channel support	ID180	1	lot
181	Gass Release Panel	ID181	1	Nos
182	Cross Zoning Detector	ID182	6	Nos
183	Hooter with strobe 100 DB	ID183	2	nos
184	BUILDING MANAGEMENT SYSTEM APPLICATION	ID184	1	Lot
185	6KVA online UPS with 20 minutes backup	ID185	1	Nos
186	Structured cabling & Server racks: 10 M Cat 6 Cable	ID186	50	Nos
187	15 M Cat 6 Cable	ID187	75	Nos
188	25 M Cat 6 Cable	ID188	15	Nos
189	Cat-6 UTP Cable Roll of 305 Mtrs	ID189	4	Box
190	12MTP/F-12MTP/F Trunk Cable, OM4, LSZH, 15m, polarity Reversed, Low-Loss	ID190	10	Nos
191	12MTP/F-12MTP/F Trunk Cable, OM4, LSZH, 25m, polarity Reversed, Low-Loss	ID191	20	Nos
192	LC-LC Fiber Duplex Patch Cord OM4 Multimode-3 Meter	ID192	100	Nos
193	LC-LC Fiber Duplex Patch Cord OM4 Multimode-5 Meter	ID193	15	Nos
194	24 Core Fiber Cassette (MPO) AB/BA Pair Flipped 24 Core fiber MPO LC Cassette, Pair Flipped AB/BA, Multi-Mode	ID194	18	Nos
195	Trunk Cable (MPO-MPO) 25Meter MPO-MPO Trunk Male cable, 12 Fiber straight, 50.125 OM4 LSZH Multimode	ID195	10	Nos
196	Trunk Cable (MPO-MPO) 15Meter MPO-MPO Trunk Male cable, 12 Fiber straight, 50.125 OM4 LSZH Multimode	ID196	10	Nos
197	DR Site Installation, Commissioning & System Integration Charges	ID197	1	LS
198	Server Rack - Supply, Installation, Testing & Commissioning of 42U Server Cabinet Extruded Aluminium Profile frame with top panel; having static load bearing capacity of 1300 Kg as per Tender specifications. . Dimensions: 2200mm x 800mm x 1200mm all complete as required and as per detailed	ID198	6	Nos

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	specifications. Racks, PDUs, containment should be from same OEM			
199	Network Rack with PDU	ID199	1	Nos
200	Manpower Requirement at DR Site for 24x7 Support: BMS Person for 5 years	ID200	3	Nos
201	Manpower Requirement at DR site: IT - L1 & L2 engineer for 5 years	ID201	2	Nos
202	Dedicated DC-DR Link 2x155 Mbps Leased Circuits from 2 different service providers with 1 Year ARC	ID202	1	Year
203	1x100 Mbps ILL (1:1) at DR Site with 1 Year ARC	ID203	1	Year
204	Providing of 2 Nos physical security for SDC.FY-23-24	ID204	1	Year
205	Providing of 2 Nos physical security for SDC.FY-24-25	ID205	1	Year
206	Providing of 2 Nos physical security for SDC.FY-25-26	ID206	1	Year
207	FM Cost for 5 Years as per requirement mentioned in existing DCO terms & conditionsFY-23-24	ID207	1	Year
208	FM Cost for 5 Years as per requirement mentioned in existing DCO terms & conditionsFY-24-25	ID208	1	Year
209	FM Cost for 5 Years as per requirement mentioned in existing DCO terms & conditionsFY-25-26	ID209	1	Year
210	AMC/Support Cost for IT (software and hardware) equipmentFY-23-24	ID210	1	Year
211	AMC/Support Cost for IT (software and hardware) equipmentFY-24-25	ID211	1	Year
212	AMC/Support Cost for IT (software and hardware) equipmentFY-25-26	ID212	1	Year
213	AMC/Support Cost for Non-IT Equipment (2nd Floor)FY-23-24	ID213	1	Year
214	AMC/Support Cost for Non-IT Equipment (2nd Floor)FY-24-25	ID214	1	Year
215	AMC/Support Cost for Non-IT Equipment (2nd Floor)FY-25-26	ID215	1	Year
216	AMC/Support Cost for Non-IT Equipment (1st Floor)FY-23-24	ID216	1	Year
217	AMC/Support Cost for Non-IT Equipment (1st Floor)FY-24-25	ID217	1	Year
218	AMC/Support Cost for Non-IT Equipment (1st Floor)FY-25-26	ID218	1	Year
219	AMC/Support Cost for PAC, UPS, Panel & DG. (1st Floor))FY-22-24	ID219	2	Year
220	AMC/Support / REPLACEMENT Cost for PAC, UPS, Panel & DG. (1st Floor))FY-24-25	ID220	1	Year
221	AMC/Support / REPLACEMENT Cost for PAC, UPS, Panel & DG. (1st Floor))FY-25-26	ID221	1	Year
222	Cost of dedicated Operation and AMC Support for RSA SIEM for WBSDC through L2 Level EngineerFY-22-23	ID222	1	Year
223	Cost of dedicated Operation and AMC Support for RSA SIEM for WBSDC through L2 Level EngineerFY-23-24	ID223	1	Year
224	Cost of dedicated Operation and AMC Support for RSA SIEM for WBSDC through L2 Level EngineerFY-24-25	ID224	1	Year
225	Cost of dedicated Operation and AMC Support for RSA SIEM for WBSDC through L2 Level EngineerFY-25-26	ID225	1	Year

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226	AMC/Support Cost for UPS batteries for 2 years (4th & 5th years), post initial 3 years warranty period for 204 cells of 2v/357ahFY-23-24	ID226	1	Year
227	AMC/Support Cost for UPS batteries for 2 years (4th & 5th years), post initial 3 years warranty period for 204 cells of 2v/357ahFY-24-25	ID227	1	Year
228	AMC/Support Cost for UPS batteries for 2 years (4th & 5th years), post initial 3 years warranty period for 204 cells of 2v/357ahFY-25-26	ID228	1	Year
229	Professional Support Services for one Database and one System Administrators with effect from 1.4.2022FY-22-23	ID229	1	Year
230	Professional Support Services for two Database and two System Administrators with effect from 1.4.2022FY-23-24	ID230	1	Year
231	Professional Support Services for three Database and three System Administrators with effect from 1.4.2022FY-24-25	ID231	1	Year
232	Professional Support Services for three Database and three System Administrators with effect from 1.4.2022FY-25-26	ID232	1	Year
233	Vodafone/other ISP 1000 Mbps ILL for WBSDC for 1 year upto 31.03.2022FY-21-22	ID233	1	Year
234	Vodafone/other ISP 1000 Mbps ILL for WBSDC for 1 year upto 31.03.2023FY-22-23	ID234	1	Year
235	Vodafone/other ISP 1000 Mbps ILL for WBSDC for 1 year upto 31.03.2024FY-23-24	ID235	1	Year
236	Vodafone/other ISP 1000 Mbps ILL for WBSDC for 1 year upto 31.03.2025FY-24-25	ID236	1	Year
237	Vodafone/other ISP 1000 Mbps ILL for WBSDC for 1 year upto 31.03.2026FY-25-26	ID237	1	Year
238	AMC & UPGRADE of old SDC cloud servers (4)FY-22-23 (NIC card from 1 to 10 GBPS and RAM 256 GB to 512 GB)	ID238	1	Year
239	AMC of old SDC cloud servers (4)FY-23-24	ID239	1	Year
240	AMC & UPGRADE (30 to 75TB) of Dell VTL of old SDC cloud system period from 1/4/2022 to 31/3/2023FY-22-23	ID240	1	Year
241	AMC of upgraded Dell VTL of old SDC cloud system period from 1/4/2023 to 31/3/2024FY-23-24	ID241	1	Year
242	AMC & UPGRADE (75 to 100TB) of Dell VTL of old SDC cloud system period from 1/4/2024 to 31/3/2025FY-24-25	ID242	1	Year
243	AMC of upgraded Dell VTL of old SDC cloud system period from 1/4/2025 to 31/3/2026FY-25-26	ID243	1	Year
244	AMC / ATS & UPGRADE (from 40 to 60TB) of Commvault Backup System from 2023FY-23-24	ID244	1	Year
245	AMC / ATS (60TB) of Commvault Backup System from 2023FY-24-25	ID245	1	Year
246	AMC / ATS (60TB) of Commvault Backup System from 2023FY-25-26	ID246	1	Year
247	AMC of WBSDC new cloud (blade) servers - lot oneFY-23-24	ID247	1	Year
248	AMC of WBSDC new cloud (blade) servers - lot oneFY-24-25	ID248	1	Year
249	AMC of WBSDC new cloud (blade) servers - lot oneFY-25-26	ID249	1	Year
250	AMC of Netapp SAN storage (430 TB) for the period from 2023FY-23-24	ID250	1	Year

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251	AMC of Netapp SAN storage (430 TB) for the period from 2023FY-24-25	ID251	1	Year
252	AMC of Netapp SAN storage (430 TB) for the period from 2023FY-25-26	ID252	1	Year
253	AMC of WBSDC new network (SDN) infrastructureFY-23-24	ID253	1	Year
254	AMC of WBSDC new network (SDN) infrastructureFY-24-25	ID254	1	Year
255	AMC of WBSDC new network (SDN) infrastructureFY-25-26	ID255	1	Year
256	AMC & UPGRADE of RedhatOpenstack Cloud Software License SA for FY-23-24	ID256	1	Year
257	AMC & UPGRADE of RedhatOpenstack Cloud Software License SA for FY-24-25	ID257	1	Year
258	AMC & UPGRADE of RedhatOpenstack Cloud Software License SA for FY-25-26	ID258	1	Year
259	Renewal of RSA Software Product Licenses with OEM support for 1 yearFY-22-23	ID259	1	Year
260	Renewal of RSA Software Product Licenses with OEM support for 1 yearFY-23-24	ID260	1	Year
261	Renewal of RSA Software Product Licenses with OEM support for 1 yearFY-24-25	ID261	1	Year
262	Renewal of RSA Software Product Licenses with OEM support for 1 yearFY-25-26	ID262	1	Year
263	SOAR (Security Orchestration Automation Response) Software License RenewalFY-24-25	ID263	1	Year
264	SOAR (Security Orchestration Automation Response) Software License RenewalFY-25-26	ID264	1	Year
265	DDOS 10Gbps additional 1 Years subscriptionFY-24-25	ID265	1	Year
266	DDOS 10Gbps additional 1 Years subscriptionFY-25-26	ID266	1	Year
267	DC Augmentation - Installation, Commissioning & System Integration Charges	ID267	1	LS
268	Deep Security Enterprise Software License - additional 150 VMs for 2 years during FY-21-22	ID268	1	Year
269	Deep Security Enterprise Software License - additional 50 VMs for 1 years & License renewals for all existing licenses during FY-22-23	ID269	1	Year
270	Deep Security Enterprise Software License - additional 50 VMs for 1 years & License renewals for all existing licenses for yearFY-23-24	ID270	1	Year
271	Deep Security Enterprise Software License - additional 50 VMs for 1 years & License renewals for all existing licenses for yearFY-24-25	ID271	1	Year
272	Deep Security Enterprise Software License - additional 50 VMs for 1 years & License renewals for all existing licenses for yearFY-25-26	ID272	1	Year
273	EDB Postgres Enterprise License CPU Core support renewal / upgrade - Production Support (including Replica DB servers)FY-21-22	ID273	1	Year
274	EDB Postgres Enterprise License CPU Core support renewal / upgrade - Production Support (including Replica DB servers)FY-22-23	ID274	1	Year

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275	EDB Postgres Enterprise License CPU Core support renewal / upgrade - Production Support (including Replica DB servers)FY-23-24	ID275	1	Year
276	EDB Postgres Enterprise License CPU Core support renewal / upgrade - Production Support (including Replica DB servers)FY-24-25	ID276	1	Year
277	EDB Postgres Enterprise License CPU Core support renewal / upgrade - Production Support (including Replica DB servers)FY-25-26	ID277	1	Year
278	VMware vCloud Suite Subscription per CPU 20 CPUs with 1 vCenter Commitment Plan - 12 month Prepaid with supportFY-22-23	ID278	1	Year
279	VMware vCloud Suite Subscription per CPU 20 CPUs with 1 vCenter Commitment Plan - 12 month Prepaid with supportFY-23-24	ID279	1	Year
280	VMware vCloud Suite Subscription per CPU 20 CPUs with 1 vCenter Commitment Plan - 12 month Prepaid with supportFY-24-25	ID280	1	Year
281	VMware vCloud Suite Subscription per CPU 20 CPUs with 1 vCenter Commitment Plan - 12 month Prepaid with supportFY-25-26	ID281	1	Year
282	DC-DR LC & ILL ARC for DR Site FY-22-23	ID282	1	Year
283	DC-DR LC & ILL ARC for DR Site FY-23-24	ID283	1	Year
284	DC-DR LC & ILL ARC for DR Site FY-24-25	ID284	1	Year
285	DC-DR LC & ILL ARC for DR Site FY-25-26	ID285	1	Year
286	Capacitor Bank change of old UPS FY-21-22 for VERTIV make UPS	ID286	1	Year
287	Capacitor Bank change of old UPS FY-24-25 for EATON make UPS	ID287	1	Year
288	Electrical Earth Pit Repair / Reconstruction FY-22-23	ID288	1	Year
289	DG Repair / Replacement due to aging / obsolescence FY-22-23	ID289	1	Year
290	DG Repair / Replacement due to aging / obsolescence FY-24-25	ID290	1	Year