

Annexure- 1		
CONSUMABLES - MEP		
HOUSE KEEPING		
Sr, No	Description of item	
1	Spray Cans	
2	Dust Pan	
3	Mop (with rod)	
4	Mop Refill	
5	Nylon Brush (with rod) 18"	
6	Water wand (with rod) 18"	
7	Dry Mop (with rod)	
8	Dry Mop Refill	
9	Garbage Bag (Big)	
10	Scotch Brite	
11	Min Cream (100ml)	
12	Table Duster (Blue)	
13	Table Duster (Green)	
14	Toilet Duster (Red)	
15	Checks Duster	
16	Floor Duster	
17	Basket Kit	
18	Tooth Brush	
19	Dust Bins	
20	Glass Duster	
21	Blue Plastic Bucket (15 lts)	
22	Green Plastic Bucket (15 lts)	
23	Blue Plastic Mug	
24	Green Plastic Mug	
25	Red Plastic Mug	
26	Sanicubes	
27	Hand Gloves	
28	Toilet Brush	
29	Garbage Bag (Small)	
30	Nylon Scrubber	
31	Napthelene Balls	
32	Glass Wiper	
33	Carpet Hand Brush	
34	Feather Brush	
35	Soft Broom	
36	Hard Broom	
37	Glass Squeeze	
38	Florastick	
39	Toilet Rolls – 50gms.	
40	Toilet Rolls – 100gms.	
41	Toilet Rolls - 160 Gms	
42	Toilet Rolls – 200gms.	
43	Toilet Rolls - Jumbo local	
44	Tissue Paper – Pkt.- 100 Pulls	
45	Face Tissue Box - 100 Pulls	

46	C – Folds (150Pulls)	
47	Dettol Hand Wash - 1 Ltr Can	
48	Dettol Hand Wash - 250ml.	
49	Fem Gun – 250ml. Bottle	
50	Fem – 1ltrs. Can	
51	Fem – 5ltrs. Can	
52	Harpic – Toilet Cleaner- 500ml.	
53	Spark Toilet Cleaner - 500ml.	
54	Kleen Flush Single Pack - 50gms	
55	Lizol - 500ml	
56	Domex - 500ml	
57	Eze Off Bang	
58	Eze Off Bang - Trigger	
59	Colin Glass Spray - 500ml	
60	Spark Glass Kleen - 500ml	
61	Window Squeezer - 35cm [Economy]	
62	Window Washer - 35 cm	
63	Glass Scraper	
64	Visa Versa - Glass Cleaner	
65	Odonil Air Fresheners - 50gms	
66	Fresh Up - Air Freshener – 50gms	
67	Urinal Cakes - 80gms. Pack 2pcs	
68	Urinal Cakes - 50gms. Pack 2 pcs	
69	Cannon Balls – Air Fresheners - 150gms	
70	Naphthalene Balls – 1kgs. Pkt.	
71	Naphthalene Balls – 500gms. Pkt.	
72	Room Spray – Spring Fest [300ml] MUSk or	
73	Mop Cloth - Big Size [24*24inch]	
74	Check Cloth Medium(Blue	
75	Check Cloth Medium(Red	
76	Check Cloth Medium(Green)	
77	Yellow Cloth	
78	Glass Cloth (Blue)	
79	Glass Cloth (Red)	
80	Glass Cloth (green)	
81	Wiping Cloth for plate	
82	FACE MASK	
83	Plastic Apron	
84	ALL KLEAN	
85	GERM FREE	
86	SCALE OFF	
87	SUPER LIME AWAY PLUS	
88	WINDOW SHINE	
89	ROOM FRESHNER lavender	
90	NATURAL SHINE	
91	CARPET BRITE	
92	SUN GLOH	
MEP		
93	1.5 sq mm Ferrules	
94	2.5 sq mm ferules	

95	4 sq mm ferrules	
96	Embossing tape	
97	M6 HSS Drill bit	
98	M6 Hammering Bit	
99	6 mm drill bits	
100	HSS Drill bit 4mm	
101	M10 hammering drill	
102	4" grinding wheel	
103	6mm anchor hooks	
104	100mm cable tie	
105	150mm cable tie	
106	200mm Cable ties	
107	300mm cable tie	
108	35x8 nylon sleeve	
109	Nylon plugs	
110	35x8 screws	
111	3" Brush	
112	2" nails	
113	2" packing tape	
114	75x10 anchor bolt	
115	8 mm anchor bolt	
116	Hack saw blade	
117	Insulation tape	
118	M10 Anchor fastener	
119	M10 nut/washer	
120	M10 threaded rod	
121	M6 anchor bolt	
122	M6x12 bolt & washer	
123	Metal tie	
124	Robin blue	
125	Wire pulling Spring	
126	Safety Caution tape	
127	Safety Cotton hand gloves	
128	Safety Cris cross hand gloves	
129	Safety dotted hand gloves	
130	safety Ear plug	
131	Safety electrical gr rubber gloves	
132	Safety Goggles	
133	Safety harness	
134	Safety helmet	
135	Safety Leather apron	
136	Safety leather hand gloves	
137	Safety Nose mask	
138	Safety Poly propylene rope 12mm	
139	Safety poster hooks	
140	Safety Rubber hand gloves	
141	Safety shoe	
142	Safety shoe liberty worrier	
143	Saframycin	
144	Move spray	

145	Tincher	
146	Dettol	
147	Iodex	
148	cotton wool	
149	Cotton band aid	
150	Band aid long	
151	Band aid round	
152	safety Ear plug	
153	Safety Cotton hand gloves	
154	Safety goggles	
155	Safety goggles	
156	plain glass	
157	55w circul lamp Ballast	Havells
158	55w circul lamp	Havells
159	18w/ 2F tube	Havells
160	28w/ T5 tube	Havells
161	2X28W ballast	osram
162	6A Plug top	anchor
163	16A socket raw power	roma
164	16A switch	roma
165	18w thread type CFL	Havells
166	58W I thread type CFL	Havells
167	Quicktronic Int.Ballast QTI 2*14/24 Dimmable	
168	6A Socket	roma
169	Dummy Plate	roma
170	8Mod. Plate and box	roma
171	3Mod. Plate and Box	roma
172	insulation tape	
173	transformer 12v	
174	socket (UPS)	roma
175	1 mod plate	roma
176	20A socket	roma
177	58w Thread type CFL	Crompton
178	11W CFL	osram
179	14w/ T5 tube	Havells
180	16A Plug top	Anchor Roma
181	20A sp switch	roma
182	20A sp Dummy switch	roma
183	06A switch	MK
184	20A switch	MK
185	40A,3pole MCB -Schneider	
186	40A,4pole MCB -Schneider	
187	40A,2pole MCB -Schneider	
188	32A 2pole MCB -Schneider	
189	20A,1pole MCB -Schneider	
190	1.5kw heating element	
191	2kw heating element	
192	25A selector switch	

193	15A thermostat	
194	Indicator red-4,green-4	
195	22w T5circul lamp	
196	6A bell push switch	roma
197	28w T5circul lamp	
198	2.5 sqmm multi stand cable	
199	18W Flash	
200	Heating element multistand cable	
201	Socket tester	
202	star delta timer	
203	25A 2p ELCB	
204	LC1D 093 contactor	
205	LRD 16 OLR	
206	30A 3pole 230V contactors	Schneider
207	45A 3pole 230V contactors	Schneider
208	20A 4 pole mcb	
209	50A contactor	Schneider
210	63A TP MCCB	Schneider
211	LC1D 9511 contactor 220V	Schneider
212	63A 4P RCCB 30ma	MG
213	HF Gun	Jaguars
214	HF Connection pipe	Jaguars
215	Hf gun stand	
216	HF Gun piston	
217	HF Gun tyre washer	
218	HF Gun lever	
219	HF Connection pipe Washer	
220	Connection pipe 1 ft	
221	HF Gun Holder	Jaguars
222	Spindle - Conti	Jaguars
223	Urinal waste coupling	
224	fevicol 1/2 ltr	
225	Feviquick	
226	Teflon Tape	
227	Angle cock	Jaguars
228	M seal	
229	1/2 in hose pipe 20 mtr	
230	32mm Waste pipe	
231	White cement	
232	CP Grating	
233	Bottle trap set	Jaguars
234	Flush Valve	Metropol
235	Flush Valve inner part set	Metropol
236	Flush Valve Glanet Washer	Metropol
237	Flush Valve (seal) Washer	Metropol
238	1 inch Saddles	
239	W/c outlet Washer 110mm	
240	1/2 inch Hex Nipple	
241	Floor trap 110x75	
242	nani drop PVC	

243	PVC Solvant Its	
244	75 mm PVC Collar	
245	Tap cap	
246	3inch PVC T	
247	40MM PVC elbow	
248	40MM PVC collar	
249	40MM PVC T	
250	40 mm PVC pipe	
251	75 mm PVC Door bend	
252	LAPPA	
253	Metal paste	
254	Door stopper	
255	WC	Hindware
256	Trolley Wheel 8 inch	
257	urinal 1ft Connection pipe	
258	1 inch PVC pipe	
259	1 inch PVC elbow	
260	1 inch PVC collar	
261	1 inch PVC T	
262	Flush Valve sleev-2 inch	Jaguars
263	Flush Valve push Button open/close	Jaguars
264	WD-40	
265	Flush Valve outer plate -Flange	Jaguars
266	Cotton waste (Baniyan waste)	
267	Grease	
268	Shoe cover	
269	Pin type copper lugs 1.5 mm to 16mm	
270	Ring type copper lugs 1.5 mm to 16mm	
271	Connectors 6A to 16A	

Request for Proposal (RFP) for appointment of Agency for O&M of ITI Data Centres

RFP Ref No.: ITIB/DC-1&2/O&M/2021 Date: 06/01/2021

Annexure- 2 Tools

Tools List for Data Center

Sl no	Tools Description	Size	Specification	Make	Qty	CRITICAL/NON-CRITICAL
1	Power Tester	813 to 815	multipurpose tester	Taparia	10	
2	Screw Driver (+star tip) insulated	3.5x150 mm Tip Dimension 3.5 x 0.5mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.	Taparia	2	CRITICAL
3	Screw Driver (+star tip) insulated	10.0x1.2mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.		2	CRITICAL
4	Screw Driver (+star tip) insulated	5.0x0.8mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.		2	CRITICAL
5	Screw Driver (+star tip) insulated	4.0x0.6mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.		2	CRITICAL
6	Screw Driver (+star tip) insulated	8.0x1.2mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.		2	CRITICAL
7	Screw Driver(- flat tip) insulated	10.0x1.5mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.	Taparia	2	CRITICAL
8	Screw Driver(- flat tip) insulated	10.0x1.2mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.		2	CRITICAL
9	Screw Driver(- flat tip) insulated	5.0x0.8mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.		2	CRITICAL
10	Screw Driver(- flat tip) insulated	4.0x0.6mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.		2	CRITICAL
11	Screw Driver(- flat tip) insulated	8.0x1.2mm	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.		2	CRITICAL
12	Heavy duty Screw Driver(-)	8,28,829	Made out of high grade steel and The handle is made from high grade c. A. Plastic which is non flammable and unaffected by oil petrol, grease, water etc.	Taparia	2	CRITICAL
13	Screw Driver (+ IN -)	Tip size: PH1, PH2, PZ1, PZ2, PZ2 + slot, TX15, TX20, TX25	For working on live components.Insulation (to DIN EN 60900) sprayed directly onto the blade,slim version: insulation integrated in the bit in the front section,individually tested,SoftFinish® handle with roll-off protection		1	CRITICAL
14	Screw Driver (+ IN -)		For working on live components.Insulation (to DIN EN 60900) sprayed directly onto the blade,slim version: insulation integrated in the bit in the front section,individually tested,SoftFinish® handle with roll-off protection		1	CRITICAL

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15	Screw Driver (+ IN -)		For working on live components.Insulation (to DIN EN 60900) sprayed directly onto the blade,slim version: insulation integrated in the bit in the front section,individually tested,SoftFinish® handle with roll-off protection	Taparia/Stanly	1	CRITICAL
16	Nut driver set (multi purpose)		Protective insulation DIN EN 60900, insulated up to 1000 V, certified 'GS' safety, individually tested,Inner bore for protruding bolts,Blade insulation,Sprayed directly on the blade,VDE insulated,Material of the grip handle: 2-component plastic,Blade length: minimum 125 mm,Material: Chrome-vanadium steel.	Bosch	1	CRITICAL
17	Cutting Plier (combination plier)	250mm,	combination Plier Made from high grade steel, forged, and differently heat treated to give best performance,Fully Insulated with Quality Plastic Material Sleeve Ensures Safe Electrical Working,Excellent wire cutting ability for soft and hard wires, fully polished head or black phosphated and bright polished head,VDE certified and rated to 1000 V AC, these insulated heavy duty linesman combination pliers are as well compliant with international standards such as IEC 60900 and ASTM F1505.Heavy duty 8 inch 1,000 V rated lineman plier.	fluke	2	CRITICAL
18	Cutting Plier (combination plier)	210mm,	combination Plier Made from high grade steel, forged, and differently heat treated to give best performance,Fully Insulated with Quality Plastic Material Sleeve Ensures Safe Electrical Working,Excellent wire cutting ability for soft and hard wires, fully polished head or black phosphated and bright polished head,VDE certified and rated to 1000 V AC, these insulated heavy duty linesman combination pliers are as well compliant with international standards such as IEC 60900 and ASTM F1505.		2	CRITICAL
19	Cutting Plier (combination plier)	180mm	combination Plier Made from high grade steel, forged, and differently heat treated to give best performance,Fully Insulated with Quality Plastic Material Sleeve Ensures Safe Electrical Working,Excellent wire cutting ability for soft and hard wires, fully polished head or black phosphated and bright polished head,VDE certified and rated to 1000 V AC, these insulated heavy duty linesman combination pliers are as well compliant with international standards such as IEC 60900 and ASTM F1505.	Taparia	3	CRITICAL

20	Nose Plier	INSULATED LONG NOSE /W SIDE CUTTER, 8 IN, 200MM, 1000V	Unique milled wave patter gripping zones,4 gripping points for pulling round objects with superior grip that won't slip,Added value working sensitive pieces -copper tubes, thread, cable,Straight, half-round, long and slim knurled jaws, specially profiled,greatest safety, comfort, quality, and ruggedness when working on energized circuits these insulated long nose pliers with side cutters and gripping zones feature a nominal length of minimum 8" (200 mm). Ideal for cutting and gripping where fingers and other tools are too big.		2	CRITICAL
21	Nose Plier	INSULATED LONG NOSE /W SIDE CUTTER, 6 IN, 180MM, 1000V	Unique milled wave patter gripping zones,4 gripping points for pulling round objects with superior grip that won't slip,Added value working sensitive pieces -copper tubes, thread, cable,Straight, half-round, long and slim knurled jaws, specially profiled,greatest safety, comfort, quality, and ruggedness when working on energized circuits these insulated long nose pliers with side cutters and gripping zones feature a nominal length of minimum 8" (200 mm). Ideal for cutting and gripping where fingers and other tools are too big.	Taparia	2	CRITICAL
22	Wire Cutter	INSULATED HIGH LEVERAGE DIAGONAL CUTTER, 8 IN, 200MM, 1000V	VDE certified and rated to 1000 V AC, these insulated heavy duty high leverage diagonal pliers are as well compliant with international standards such as IEC 60900 and ASTM F1505. The unique, ergonomic yet rugged design provides extra safety and adherence to usersHeavy duty, high leverage 8-inch diagonal cutting pliers,Cuts hard materials including steel and piano wire,Power joint and precision cutting edges,Certified to 1000 V ac, 1500 V dc, metal should be chromium-molybdenum-vanadium steel,	Taparia	2	CRITICAL
23	Wire Cutter	INSULATED HIGH LEVERAGE DIAGONAL CUTTER, 6 IN, 1000V	VDE certified and rated to 1000 V AC, these insulated heavy duty high leverage diagonal pliers are as well compliant with international standards such as IEC 60900 and ASTM F1505. The unique, ergonomic yet rugged design provides extra safety and adherence to users,Heavy duty, high leverage 8-inch diagonal cutting pliers,Cuts hard materials including steel and piano wire,Power joint and precision cutting edges,Certified to 1000 V ac, 1500 V dc, metal should be chromium-molybdenum-vanadium steel,		2	CRITICAL
24	wire strippers		multi-function wire stripper, shears and pliers, VDE certified and rated to 1000 V AC, these insulated heavy duty high leverage diagonal pliers are as well compliant with international standards such as IEC 60900 and ASTM F1505. The unique, ergonomic yet rugged design provides extra safety and adherence to users,Heavy duty,	Taparia	4	CRITICAL

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25	Adjustable Spanner 6"		Made from high grade steel, forged and accurately machined. Hardened and tempered to give long trouble free service. Provide with appropriate surface protection for rust prevention	Taparia	2	CRITICAL
26	Adjustable Spanner 12"		Made from high grade steel, forged and accurately machined. Hardened and tempered to give long trouble free service. Provide with appropriate surface protection for rust prevention	Taparia	2	CRITICAL
27	Pipe Wrench-36" (heavy Duty)		Built with durable ductile-iron housing and an I-beam handle for long-lasting reliability, A full floating forged hook jaw offers superior gripping and allows you to make quick adjustments, Heavy-duty RIDGID pipe wrenches comply with federal specifications GGG-W65IE, Type II, Class A, Self-cleaning threads with easily replaceable hook jaw, heel jaw and spring assembly, Replaceable Parts; Hook jaw, heel jaw, and spring assembly, Pipe Capacity: 5 inch,	Stanly	1	CRITICAL
28	Hammer 450G,		Python Claw Hammer 2G Indestructible Fiberglass, Ideal for Nail Framing and Removing Nails, Curved Claw Generates Nail-Pulling Leverage, Unbreakable and Indestructible Fiberglass Handle		3	CRITICAL
29	Hammer 2kg		Real Heavy Duty Sledge Hammer Fine Fiber Handle, Scientifically hardened and tempered to ensure combination of hardness and toughness, Drop forged from carbon steel, Ergonomic rubber grip handle absorbs shock and vibration reducing fatigue special bonding process ensures that head never gets loose from the handle, Unbreakable and indestructible handle		1	CRITICAL
30	Measuring Tape 5M	Size: 5M x 19mm	Tough ABS Case. Durable Steel Blade. Polymer Coated Blade for Long Life. Tru-Zero(TM) Hook for Accurate Inside and Outside Measurements.	Stanley	2	CRITICAL
31	Measuring Tape 50M		Tape ribbon manufactured from fiberglass yarn coated with tough, weather resistance PVC. Fiberglass tape ribbon should be non-conductive, non-creasing, weather resistant and durable against wear and tear.	Stanley	1	CRITICAL
32	No 831 Screw Driver Set (8 Tool+handle)		8 piece screwdriver set should come with a detachable HANDLE. 2 different sizes of star head screwdrivers and 3 types of flathead screwdrivers. Just slip the piece with the appropriate head into the handle and lock it in the jaw at the top of the handle.	Taparia	1	CRITICAL
33	Wire Brush 5 Row (SS)		Brushes used for scratching, burr removal and cleaning.		1	CRITICAL
34	Hss Drill Bit (2mm To 13 mm) Set 25Nos		120° tip angle for self-centering and good precision. Suitable for drilling various metals and wood.	Bosch	1	CRITICAL
35	Concrete Drill bit set all size			bosch	2	CRITICAL

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36	Hack Saw Frame Small		Superior quality steel wire frame is designed to ensure correct alignment and give perfect blade tension during use	Taparia	1	CRITICAL
37	Hack Saw Frame Big		Die cast frame with 'D' style handle for user comfort and control. Wing nut blade tensioning. Supplied complete with 300mm 24tpi blade. Fully insulated,	Taparia	1	CRITICAL
38	Allen wrench Key Set (hex set) 26 piece	13pcs Metric System: 1.27mm, 1.5mm, 2mm, 2.5mm, 3mm, 3.5mm, 4mm, 4.5mm, 5mm,5.5mm, 6mm, 8mm, 10mm,13pcs Imperial System: 1/20, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8inch,9pcs Star Key: T10, T15, T20, T25, T27, T30, T40, T45, T50,	High Quality Surface Treatment: 13pcs (1.27-10mm) metric system with electroplating matte surface treatment, 13pcs (3/64-3/8inch) imperial system and 9pcs (T10-T50) star key with blackening surface treatment,36pcs allen wrench tool set is corrosion resistant and each tool is organized neatly into the holders for quick and easy access. Complete varieties and specifications, this wrench set can be enough for all fasteners, Type: Hex Key, Star Key ,Material: Chrome Vanadium Steel(CR-V 6150#) + PP + TPR.	Taparia	1	CRITICAL
39	Total File	Flat Taper, Half Round, Three Square, Square, Round & Flat Parallel Files	6 inch file set of 6pcs. Different kinds of files,Material: Carbon steel,	Kalim 2	2	CRITICAL
40	DE Open Ended Spanner set (6-7-1No,8-9-2No,8-10-1No,10-11-1No,12-13-1No,14-15-3No,16-17-5No,18-19-1No,20-22-1No,21-23-1No,24-27-2No,25-28-1No,30-32-1No) TOTAL-23	(6-7-1No,8-9-2No,8-10-1No,10-11-1No,12-13-1No,14-15-3No,16-17-5No,18-19-1No,20-22-1No,21-23-1No,24-27-2No,25-28-1No,30-32-1No) TOTAL-21	Chrome-Vanadium Steel	stanley	2	CRITICAL

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41	DE RING Spanner 6-7- 1No,8-9-1No,10-11- 2No,12-13-1No,14-15- 1No,16-17-2No,18-19- 1No,20-22-1No,21-23- 1No,24-27-2No,25-28- 1No,30-32-1No TOTAL-15	6-7-1No,8-9- 1No,10-11- 2No,12-13- 1No,14-15- 1No,16-17- 2No,18-19- 1No,20-22- 1No,21-23- 1No,24-27- 2No,25-28- 1No,30-32-1No TOTAL-15		Taparia	2	CRITICAL
42	Socket Spanner set No 8,9,10,11,12,13,14,15,16,, 17,18,19,20,22,23,24,26,2 7,28,29,30,32 Coupler - 1No,Extension Rod- 2No/Socket Wrench 1No	No 8,9,10,11,12,13 ,14,15,16,,17,1 8,19,20,22,23,2 4,26,27,28,29,3 0,32 Coupler - 1No,Extension Rod- 2No/Socket Wrench 1No		Taparia	1	CRITICAL
43	Crimping Tool vaccum type (Range: 16-400mm2)	650(L) X 150(H) X 70(W) mm	HT- 3510 Hydraulic Crimping Tool, 13T/ 130KN		1	CRITICAL
44	<u>Instrument & Electrical Equipments</u>					
45	<u>Multi meter (with calibration certificate)</u>	<u>fluke 17B+ or higher</u>	Maximum voltage between any terminal and earth ground,1000V, Display (LCD);4000 counts, updates 3/sec,Battery type; 2 AA, NEDA 15A, IEC LR6,Battery life: 500 hours minimum (50 hours in LED Test mode without load. The hours with load depends on the type of LED under test.),Fuse protection for current inputs: 440 mA, 1000 V Fast Fuse, Fluke specified part only. 11A, 1000V Fast Fuse,product meets requirements for industrial (Class A) electromagnetic wave equipment,All ac, Hz, and duty cycle are specified from 1% to 100% of range. Inputs below 1% of range are not specified,Typically, open circuit test voltage is 2.0 V and short circuit current is <0.6 mA.	<u>Fluke</u>	1	

46	Digital Clamp meter (with calibration certificate)	Fluke 381 remote display RMS AC/DC	1000 A ac and dc current measurement with fixed jaw,2500 A ac current measurement with iFlex™ flexible current probe,1000 V ac and dc voltage measurement,True-rms ac voltage and current for accurate measurements on non-linear signals, Frequency measurement to 500 Hz with both jaw and iFlex™ ,60 kΩ resistance measurement with continuity detection,Min, max, average and inrush recording to capture variations automatically, Wireless technology allows the display to be carried up to 30 ft away from the point of measurement for added flexibility without interference with measurement accuracy, iFlex™ flexible current probe expands the measurement range to 2500 A ac while providing increased display flexibility, ability to measure awkward sized conductors and improved wire access,Proprietary inrush measurement technology to filter out noise and capture motor starting current exactly as the circuit protection sees it,The removable magnetic display can be conveniently mounted where it is easily seen, Radio transmitter automatically turns off when the display is connected to the meter.Large, easy to read, backlight display automatically sets the correct measurement range so you do not need to change switch positions while taking a measurement Soft carrying case.	Fluke	1	CRITICAL
47	Sling psychrometer (with calibration certificate)	Fluke 971	Quickly and conveniently take accurate humidity and temperature readings with the meter,invaluable for facility maintenance and utility technicians, HVAC-service contractors, and specialists who assess indoor air quality (IAQ). Lightweight and easy to hold, Backlit dual display of humidity and temperature,Measures dew point and wet bulb temperatures,99 record storage capacity,Quick-response capacitance sensor ,Compact and lightweight (188 g /6.6 oz),Temperature range from -20 °C to 60 °C (-4 °F to 140 °F) Relative humidity from 5% to 95%	Fluke	1	CRITICAL
48	Megger 5000 volts,1000m ohms (with calibration certificate)	Fluke 1555	The tester's accuracy is specified for one year after calibration at operating temperatures of 0 °C to 35 °C. For operating temperatures outside the range (-20 °C to 0 °C and 35 °C to 50 °C), add ± .25% per °C, except on the 20% bands add ± 1% per °C, test voltages up to 5 kV (1550C) and 10 kV (1555) and save time by trending on the spot,CAT III 1000 V, CAT IV 600 V safety rating,Selectable test voltages in 50 V steps from 250 V to 1000 V, and 100 V steps above 1000 V,	Fluke	1	CRITICAL

49	Digital Earth resistance tester with probes & cables (with calibration certificate)	Fluke VT04 combo kit	Compact and intuitive, the VT04A and VT04 Visual IR Thermometers blend a visual image with a heat map overlay, to help quickly identify the location of issues, Specifically designed for HVAC professionals for temperature and microamp measurements, the Fluke 116 digital multimeter has everything you need in an HVAC meter. The VT04 Visual IR Thermometer Maintenance Kit includes the VT04 and 1507 Insulation Resistance Tester – two products that are ideal for troubleshooting and preventive maintenance. see the specs in the Fluke VT04 visual IR thermometer HVAC combo kit.	Fluke	1	
50	Thermometer (Infrared) (with calibration certificate)	Fluke CNX t3000	Temperature measurements from -200 °C to 1372 °C, ± 0.5% accuracy, Memory recording up to 65,000 readings,	Fluke	1	CRITICAL
51	Light Meter (Lux meter) (Digital) (with calibration certificate)	Fluke 941	Measure in lux or foot-candles, with one button to switch between display options, Data hold to freeze reading on the digital display, Min/max ability to show high and low readings, can measure visible light sent from a variety of light sources, to include fluorescent, metal halide, high pressure sodium, or incandescent lamps. With an extension cord to the light meter and separate display provides a handheld tool to accurately measure light in multiple environments. Features : Clean room environments, agriculture, HVAC operations Room illumination assessment as part of environmental health and safety reviews Light source quality and troubleshooting.	Fluke	2	CRITICAL
52	Rechargeable Torch (Industrial use)			iR18/Candle po	3	CRITICAL
53	Soldering Iron (gun)			Taparia	2	CRITICAL
54	Electric Blower		Min/Max/Avg Data hold	Bosch	2	CRITICAL
55	Drilling machine with smart drill kit (Bosch)				1	CRITICAL
56	HT Glove (3M)		Seamless Natural Latex Rubber Easy to use. Tested and Certified	3M	2	CRITICAL
57	LT glove (3M)		hand gloves having excellent grip water resistance high strength lightweight, high durability, flexibility and made from specially compounded latex for compute insulation., It should be 100% shock proof	3M	2	CRITICAL
58	Electrical cotton glove (3M)		should have Nitrile palm coating, flexible, abrasion-resistant, long-lasting and highly durable	3M	5	CRITICAL
59	Labling devices		premium quality, different patterns, Single Sided Adhesive, QWERTY Keyboard Graphical Display, Lightweight & Portable	Brother PT H11	1	

Request for Proposal (RFP) for appointment of Agency for O&M of ITI Data Centres
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60	Drilling machine hammering (Bosch)		Versatile range of applications ; Overload clutch to protect the user and the machine;variable speed control for clean drilling starts, Impact stop for drilling in wood and steelForward or reverse rotation for dislodging jammed drill bits Protection of the user and the machine in case of overload or binding, no abrupt blockage of the tool by unlatching clutch dogs and minimizing torque.	Bosch	1	CRITICAL
61	Non contact voltage tester		Voltbeat technology and continuous self test CAT IV 1000 V for added protection,Expanded Range: 90-volt to 1000-volt AC having IP rating "IP 40"	Fluke	2	
62	Utility knife	Taparia UK-3 Steel	retractable cutting blade which can lock into different positions depending on use The blade should be sharp with symmetric edges for optimum cutting experience. The handle should have knife lock facility.	Taparia	1	CRITICAL
63	Safety shoes (as per requirement size)		Electric Resistant,Heat Resistance Upto 120 C Steel Toe Light Weight	woodland/allen	20	
64	Safety Belt (full body)	Karam PN-43	FULL BODY ADJUSTABLE WORK POSITIONING SIT HARNESS WITH PADDED LEG STRAP & SHOULDER STRAP, ONE VENTRAL D-RING, ONE STERNAL D-RING, ONE DORSAL ATTACHMENT D-RING, TWO LATERAL D-RINGS ON THE SIDE.	Karam (nylon)/	3	
65	Arc flash Safety eye glass		Protects from splashes or droplets,dust,fine dust,UV protection,Infrared light protection,Visible light filter,Welding protection	ANSI-z	10	
66	Safety earmuff (110 DBA noise level)		Peltor Optime 105 behind-the-head earmuffs features low-profile earcups that fit well with most helmets, Feature double-shell technology for effective hearing protection.	Esko/3M	10	
67	Ear plug		foam earplugs feature soft, hypoallergenic foam and a tapered design to fit comfortably in the earcanal. Soft, uncorded foam earplugs that conform to the unique shape of each ear for excellent hearing protection and comfort.	Esko/3M	10	CRITICAL
68	Hydraulic Greese gun		Heavy duty cast head develops up to 7,000 PSI (480 bar),Three way loading by using cartridge, suction or grease pump,Equipped with air bleeder valve to vent air pockets,Heavy 18 gauge steel barrel assures durability,Follower rod lock prevents accidental discharge	Taparia	1	CRITICAL
69	hand screw machine		At least 50% more battery run time and 5 times longer motor life than a non-brushless motor,High performance - max torque 140Nm,3.0Ah Lithium-Ion battery pack; doesn't lose it's charge whilst not in useLED light for improved visibility,speed-0-2800rpm,blowsper minute-0-3300bpm,forward and reverse rotation, soft grip handle.	JCB/bosch	1	
70	Manifold gauge (high pressure low pressure)		R134 R410a R22 R404a Manifold Gauge High Low Pressure Gauge With hose,1pc auto air conditioning manifold gauge,High pressure guage range:0-55Bar(800Psi).	Gcfix	1	

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71	Anemometer	Fluke 925	portable anemometer provides fast accurate readings with digital readability and the convenience of a remote sensor separately. Measurement: m/s, km/h, ft/min, knots Measurement Range: 0.4-30.0 m/s, 1.4-108.0 km/h, 80-5910 ft/min., 0.8-58.3 knots Resolution: 0.1 m/s, 0.1 km/h, 10 ft/min, 0.1 knots * Accuracy: ±2% Operating Temperature: 0 to 50 (32 to 122) * Operating Humidity: Less than 80% RH. * Air Velocity Sensor Structure: Conventional twisted vane arms and low-friction ball-bearing design Power Supply: DC 9V 006P, MN1604(PP3) battery (Heavy Duty Type) or equivalent.	Lutron AM 420	1	CRITICAL
72	Pipe Cutter (50mm)			Bosch	1	
73	Tube cutter		Stainless Steel Tubing Cutter quickly and easily cuts stainless steel tube	Bosch	1	
74	Tools Box with lock		Metal Tool Box with 5 Compartment with Safety Lock and Key	Metal	2	
75	Hydraulic Trolley (hand pallet truck) 3 ton			Toyota/BT Lift	1	
76	Manual Hydraulic lift table Trolley (hand pallet truck) 3 ton		a model to suit each horizontal pallet transport, loading / unloading lorries as well as order picking movement. With load capacities up to 3 ton	Toyota/BT Lift	1	CRITICAL
77	Ladder 8 feet	3	Bathla	Bathla	1	CRITICAL
78	Ladder 6 feet	5	Bathla	Bathla	1	CRITICAL
79	Industrial Ladder 16 feet	1	Double Telescopic 5 m Mag Hinge and Dual Ultra Stabilizer Portable Aluminium Ladder,Max loading capacity : 150kgs material : aerospace grade Aluminium can be used 12 unique configurations , ideal for professionals and domestic use,Stores at 3 feet - A Frame 8 feet - Wall Support 16.5 feet	Bathla	1	
80	Walkie talkie 1 Km range		Clear, crisp communication with easy button access .Water Resistant - Prevents damage from light water exposure Mic and Headphone Jacks . Charges through the headset jack	motorola/midlar	15	
81	Metal detector (HHMD-3000) Rechargeable	1	Metal Hand-Held metal detector will include body search for offensive weapons in crowd control for metal objects and anywhere that hidden metal needs to be detected.	Super	8	
82	Door frame metal detector		metal detectors are made for a person that he can easily walk through it and used to detect the trespassers and defaulters. quick installation and erection, hassle-free operation and minimum power consumption. sensitive security areas to protect and safeguard unlawful entries and dubious activities. Specifications: microcontroller based auto set model. Suitable for outdoor use	Security king/sa	2	

Request for Proposal (RFP) for appointment of Agency for O&M of ITI Data Centres
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83	Bag scanner Metal Detector and X-ray scanner with monitor system	Tunnel dimensions (in mm) (w x h) 1010 x 1005,Conveyer speed (in m/s) 0.20,Conveyer height (in mm) 300,Max.load (in kg) 200,Image Performance: Wire solution 0.1mm (38AWG),Steel penetration (in mm) 34	High image quality, Meets all published international health and safety standards. Ensures the radiation safety of operators as well as the public. Support stepwise, continuous and magnifier functions to enlarge images. Images can be saved as general image format, such as BMP, JPG, GIF and TIF.keyboard and user interface design. Modular design and construction combined with full built-in diagnostic facility. Display resolution 1280 x 1024,Standard functions Time/date display, counters, user management, system-on/X-ray-on timers, power on self-test, built-in diagnostic facilities, dual-direction scanning, system log, system standby and training, etc. Optional functions, Explosives/narcotics detections, high-density area alert, threat image projection (TIP),Health & Safety X-ray leakage Less than 1µGy/h (5cm from the housing), complying with all published international standards. Film safety Guaranteed for high speed film up to ASA/ISO1600 (33DIN) ,Storage temperature/humidity -40°C ~ +60°C/5% ~ 95% (non-condensing),Operating temperature/humidity 0°C ~ +40°C / 5% ~ 95% (non-condensing)Power supply 220 V AC/110 V AC (-15% ±10%), 60 Hz/50 Hz ±3 Hz,Power consumption 1.0kVA,X ray generator voltage 160 kV	PTI	1	
84	Tile Puller	Unitile make	premium quality rubber suction cups to provide a strong, safe grip on even the heaviest floor tiles.	no's	2	CRITICAL
85	Metal Thickness gauge (ip 54 model)(Vernier Caliper)	Size: 24 x 9.5 x 2.7 cm Weight: 202 g Measurement Range: 0 - 6"and 0 - 150mm Resolution: 0.0005"/ 1/128"/0.01mm	Accuracy: 0.001"/0.02mm IP54 Water resistant: Splash water, oil, dust resistant are convenient to use. Three Measuring Modes: Higher quality lower price stainless steel digital caliper with inch/metric/fraction conversion	Shahe ip 54	1	
86	Baffle Gate (Turnstile) (Access controlled)		solid practical construction, waterproof, fire resistant, cold resistant (SS-304 Material) Bi-direction access control and single direction access control available Meet the fire control requirement: Automatically open on power cut	Siemens	1	
87	Shoe cover dispensary		shoe cover dispenser, Material Aluminium,		2	CRITICAL
88	Visitor Management system				1	
89	phase sequence meter	N/a	3 phase	fluke	1	CRITICAL
90	Godrej bero	N/a	7 feet	godrej	3	
91	Zigzag cutting machine	medium size	Typical Range	Bosch	2	
92	Density hydro meter for diesel	typical	Typical Range	Reputed brand	1	CRITICAL
93	Thermo meter for diesel	typical	Typical Range	Reputed brand	1	CRITICAL
94	Hot glue gun with glue sticks	typical	stanly	stanly	5	
95	Heat gun	typical	stanly	stanly	2	

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96	Battery charger	12/24V 200Ah (20amps)		Cummins or rep	2	
97	First aid KIT	typical	Medium	applo/Reputed b	2	CRITICAL
98	Electrical loto lockout kit & station	typical	Asion	Asion	5	
99	Dual Pressure Gauge A/C Diagnostic Manifold Tester Set HVAC R12 R22 R502 Charging Kit (Refrigerant gauge) with hose	typical	Typical Range	Reputed brand	1	
100	CATU insulated sticks (Earth isolation rod with cable) HOT Stick	typical	Medium size	Reputed brand	1	
101	Vacuums Cleaner	medium size	Typical Range	Bosch	1	CRITICAL
102	Pressure Pump with hose	2HP	2Hp	Bosch	1	
103	White board	100*200 CM	Medium size	Reputed brand	4	
104	Heavy Duty Hand Cable Cutter	150mm	24 inch length	Taparia	1	
105	FRP Ladder 6 feet	6 feet		Bathla	1	CRITICAL
106	FRP Ladder 8 feet	8 feet		Bathla	1	CRITICAL
107	Torque wrench Set			Fluke	1	
108	Flood pump with suitable hose 30Mtr	5 hp			1	
109	Rain coat	M,L,XL, XXL.			10	
110	Umbrella	Typical			10	
111	Gum Boots	M,L,XL, XXL.		Branded	15	
112	Waterproof Rubberized Sealing and Bonding Tape	5meter length and 4" width.	PATCH large holes, cracks, gaps and tears,Super Strong, Rubberized, Waterproof Tape,Patch, Bond, Seal and Repair Virtually Anything		5	
113	Hydrometer (for battery SG)	typical	Battery Hydrometer Specific Gravity Tester	Branded	1	CRITICAL

Annexure-3

Format 12 – Summary of Cost Components-only for ITI records
Table – Schedule A

O&M Cost (In Rs.)	Year 1	Year 2	Year 3
Total Basic Value			
Total Inclusive of GST/Taxes			

This Operational Support for two years shall be for the entire components / items / infrastructure of DC under the RFP / Contract including the Support personnel deployed for the project. Bidder should ensure that Manpower resources required for Operations and Maintenance of ITI Data Center project should comply as per the RFP. In case there are changes in technology, (such as addition or Up-gradation of Hardware, Software, Tools, equipment, active or passive) DCO needs to provide the resources with suitable technical competencies in line with project requirements without any additional charges as and when required.

Please note: Operational expenses during operation phase (such as Diesel consumption {by DG-Set}, etc.) will be paid by the Client to DCO as per the actual usage/ consumption as per the prevailing market price. DCO shall integrate the energy meter (for electricity) as well as diesel consumption reading of DG Set with the BMS infrastructure for ensuring automatic information update regarding actual consumption/usage.

Annexure-4	
STATIONARY MATERIALS	
SL NO	DESCRIPTION
1	J.K.Copies - Xerox Paper
2	Spring File
3	Box File (Lever Clip File)
4	Stick Files - Big
5	Tape Roll (Brown) 1.INCH
6	Tape Roll (Brown)2. INCH
7	Tape Roll (White) 1.INCH
8	Tape Roll (White)) 1.1/2.INCH
9	Tape Roll (White) 2.INCH
10	Double Side Tape Roll (1inch)
11	Long Note Book -100 PAGES
12	Long Note Book -200 PAGES
13	Spiral Note pad
14	Attendance Register 100 Page
15	A 4 - Brown Cover
16	A 4 - Cloth Cover
17	A-3- Cloth Covers
18	A-4, Plain Covers (White)
19	Envelop (10 x 4) Brown Color (Piece)
20	Electronic Calculator (OSR -512)
21	Key Chain
22	Pencil
23	Scissor
24	Sharpner
25	Natraj Scale
26	Pen BLUE
27	Pen Red
28	White Board marker
29	Permanent Marker Pen
30	White Board Duster
31	CD Marker
32	Correction Pen
33	High Lighter Pen
34	Small Stapler
35	Stapler Big
36	Stapler Pin Small
37	Stapler Pin Big
38	Glue
39	Stamp Pad
40	Stamp Pad InK Blue
41	DVD - CD
42	Board Pin - Box
43	Boat Shape Pin (Pack)
44	Knife
45	Tap Dispensor
46	Eveready battery AA
47	Eveready battery AAA

48	Eveready battery 9V
49	DP 700 Punching Machine
50	DP 280 Punching Machine
51	Paper Weight
52	Binder Clip 32 MM
53	Binder Clip 25 MM
54	Binder Clip - 15MM
55	Binder Clip (41MM)
56	POST-IT (3 X 3) SIZE