

(BOQ WORK NO 1)SCHEDULE OF ITEMS,SPECIFICATIONS AND QUANTITIES FOR SITC OF PRECISION AC,COMFORT AC,ELECTRICAL WORKS AT DATA/IT CENTRE OF CORPORATE OFFICE OF J&K SPDC ASHOK NAGAR,SATWARI ,JAMMU PUT TO TENDER VIDE NIT NO 13 of 2009-10

S.No.	Description	Unit	Qty.		
1	<u>Precision AC unit</u>				
	Designing,supplying,installation, testing and commissioning of aircooled DX type Precision air conditioning unit complete with aircooled condenser,scroll compressor,, microprocessor based control panel, refrigeration and other controls mounting base frame of ISA 50 x 50x 5mm including processing ,gas charging complete	set	1		
1.1	Refrigeration copper piping of 1/2" x 7/8"19 gauge, duly clamped on MS painted slotted angle frame work with metal clamps	Mts	5		
1.2	providing and fixing Electric copper cabling of PVC armoured copper cable with glands and fixed to slotted angle frame with ties /clamps	mts	7		
1.3	providing and fixing in position GP sheet ducting supported with MS rods and MS angle of 40 x 40 x 4mm with rubber gasket at joints and galvanised nuts and bolts for distribution of conditioned air in the server room	SQ MTS	25		
1.4	Thermal insulation of GP sheet ducting with 12mm thick XLPE insulation sheets fixed with synthetic adhessive.All joints to be overlapped with same material with zero chance of exposed bare metal duct .	SQ.MTS	25		
1.5	Providing and fixing in position Aluminium extruded powder coated supply air diffusers in false ceiling with supply air duct with collor dampers for air flow control in each diffuser.	SQ.MTS	0.8		

1.6	Providing and fixing in position PVC hydraulic drain piping with nitrile rubber insulation and drain trap as per specifications	RMTS	10		
1.7	Providing and fixing in position fire retardant flexible canvass connection at the outlet of package unit	No	1		
1.8	Providing and fixing in position GI damper with bird screen,GI louvers adustable with lever for fresh air entry in the server room complete with 20 micron washable filter complete as per specifications and drawings.	set	1		
1.9	Providing and fixing earth wire along with cable complete as per specifications and as required in 8 SWG	Rm	10		
2	Split Air Conditioners				
2.1	Supplying,installation and testing of hi wall mounted split Acs of different capacity complete with copper piping,electrical cabling,drain piping,MS powder coated stand for outdoor units with at least 3 star rating as per specification laid in the tender document				
	1.0 TR capacity nominal	Nos	2		
	1.5 TR Capacity nominal	Nos	1		
3	Electricals				
3.1	Supply,installation,testing and commissioning of balanced type servo voltage corrector as per specifications laid in the tender document of capacity 40 KVA	nos	1		
3.2	Supply,installation,testing and commissioning of Vermin proof Electric control panel of sectionallised construction fabricated out of 16 G MS sheets duly painted with required number of incomers and outgoing with all indicating meters and switches complete with Bus Bar, internal wiring in copper and as per tender specs.	No	1		

3.3	Power cabling from Main distribution panel to precision Air conditioner 3.5Cx 10 mm ² copper	Mts	20		
3.4	Power cabling from Main distribution panel to split Air conditioner 3Cx 2.5 mm ² copper	Mts	40		
3.5	Power cabling in PVC aluminium armoured from feeder to main servo voltage corrector 3.5 c x 25 mm ²	mts	30		
3.6	Independent Earthing for DG sets and Server complete with 2' x 2' x 1/4" copper earthing plate,Copper earthing strip of size 25 x 25 x 3 mm,GI perforated pipe charcoal,salt and all other requirements including earthwork excavation and filling the same after earthing	Nos	3		

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(BOQ WORK NO 2)Schedule of items ,quantities and specifications for supply, Installation, Testing and Commissioning of Fire detection and Fire Alarm system for JKSPDC Data Centre at Ashok Nagar Satwari, Jammu Vide NIT NO 13 of 2009-10

S.No.	Description	Unit	Qty.		
1	S.I.T.C of Photo smoke detector.	NO	5		
2	S.I.T.C of Ionisation smoke detector.	NO	5		
3	S.I.T.C of heat detector	NO	2		
4	S.I.T.C of Response Indicator with suitable 16 gauge MS/aluminum box with cover of acrylic sheet minimum 2mm thick & LED as req.	NO	4		
5	S.I.T.C of Manual call box fabricated from 16 gauge MS sheet with hammer complete as req.	NO	2		
6	S.I.T.C of electronic hooter with audible range of 25-30mtr with suitable output wattage as req.	NO	2		
7	SITC of 2 zones solid-state main control panel suitable for wall mounting conforming to IS-2189 fabricated out of 16 guage CRCA sheet incorporating audio visual indication for each zones & 2x12V sealed dry maint. Free battery not less than 07AH capacity & battery charger complete.	NO	1		
8	Prov and fixing of 2 x 1.5 sqmm dia PVC insulated copper conductor armoured cable directly on the surface complete as req.	RMT	75		
9	Providing and fixing of 4 x 1.5 sqmm dia PVC insulated copper conductor armoured cable directly on the surface complete as req.	RMT	20		
10	Providing & fixing ABC/CO2 type fire extinguishers 4.5/5 Kg cap. Complete with discharge arrangement, high-pressure hose pipe complete as req. conf. to IS13849	NO	1		

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(BOQ WORK NO 3)Schedule of items,quantities,specifications for supply, Installation, Testing and Commissioning of Digital suveliance system for J&KSPDC Data Centre at Ashok Nagar Satwari, Jammu Put to Tender vide NIT No 13 of 2009-10

S.No.	Description	Unit	Qty.		
1	Super High Resolution Day/Night Dome Cameras per specifications laid in the tender document	4	Nos.		
2	4 Channel Stand alone digital vedeo recorder as per specifications laid in the tender document	1	Nos.		
3	32" LCD colour monitor as per specifications laid in the tender document	1	Nos.		
4	RG6 Video cable	100	mtrs		
5	2 Core ,1.5 mm2 Power Cable	100	mtrs		
6	door Lock with RF card,Pin code and mechanical override	2	Nos.		
7	Conduit	50	mtrs		
6	installation charges	1	job		

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