

Sahara Nepal Saving & Credit Cooperative Society Limited.

Head Office, Birtamod-2

Quotation



Abstract of Estimate (Panel Board ,DB,CCTV,SMDB,Sub DB)

Project	Sahara nepal (saccos)
Location	CHARPANE ,Birtamode,jhapa
Date	
Job : Electrical Work	

Type of Building : Corporate Building

S.N.	Description	Brand	Qty	Unit	Rate	Amount
					Nrs	Nrs
1	Supply ,Delivery,Installation and Commissioning all complete					
A	Earthing/Lightening Protection :					
1	Supply and making of eath pits to construct a maintenance free earth with Following Specification complete with excavation,back filling ,effecting connections testing and commsioning including providing and fixing masoaniry and hined cover. The material used for this are		5	set		
	Copper Bonded Elocrodgers of required length to acheve required level					
	Earth enhancing compound					
	Rod to Cable Clamp					
	Copper Bus Bar (25 x x3) mm					
	Insulator					
	16 Sq mm copper cable to connect the earthpit to earth busbar in equipment room of approx lenth -10m					
B	Fire Detectors and Alarm System	Any Brand.				
a	Fire alarm Panel 10 zone with Battery and its charger complete		2	set		
b	fire and heat Detector		90	set		
c	Hooter		16	set		
d	Break Switch Glass		20	set		
e	CO2 2 kg Fire Extinguisher		8	Nos		
f	ABC Type 6kg fire Extinguisher		18	Nos		
C	Cable & Wiring : Make : pioneer.Janta,Prakash)					
	<u>Contractor should field verify for final length of all power cables.</u>					
1	(4x25) sq. mm. COCOND multistrend PVC cable within existing pipe from main panel to SMDB-1		0	rmt		
2	(4x50) sq. mm. COCOND multistrend PVC cable within existing pipe from main panel to SMDB-1/2		0	rmt		
3	(4x16+ 1 x 10) sq. mm. COCOND multistrend single core PVC cable within 50 mm conduit from SMDB-2 to DB-4 the cost must include conduit price		0	rmt		



4	(4x10+ 1x 6) sq. mm. COCOND multistrend single core PVC cable within 32 mm conduit from SMDB-1/2 to DB-1/2/3/5/7/8 The cost must include conduit price		0	rmt	
5	(3x5+ 70+ 1 x 35) sq. mm. COCOND multistrend PVC cable within conduit(cable from Transformer /Genset to MDB		0	rmt	
6	3 core 4mm ² copper armoured cable layed directly underground for pole light supply from DB -8		0	rmt	
D	Distribution Board :(Breaker : ABB, Siemens, Hager)				
1	Main DB consisting OF (MDB)		1	set	
	200 AF , 160 AT variable load setting MCCB incomer 1 no				
	Phase indication with 2A MCB 3 set				
	Measuring Devices with A,V, KA,KW,KVAR,KV,PF 1 set				
	CTs for Measuring and indication Devices 1 set				
	Copper Bushar with Hardware 1 lot				
	200 A, 400V,3 -phase rated Rotary type manual Change over- switch				
	200 A,TP MCCB 2 nos				
	225 A,TP MCCB 1 nos				
	63 A,TP MCCB 1 nos				
	32 A,TP MCCB 7nos				
	32 DP MCC 10nos				
	16 ,DP MCC 10nos				
2	SMDB -1 for AC consisting of :		3	set	
	63 A , MCCB incomer 1 no				
	80 A TP MCCB 3 nos				
	copper Bushar with Hardware 1 lot				
	32 A, TP MCB 4 no				
	32 AMP MCB 10				
	10 AMP MCB 20				
	Measuring Devices with A,V, KA,KW,KVAR,KV,PF 1 set				
	CTs for Measuring and indication Devices 1 set				
3	SMDB -2 Generator and NEA Line consisting of :		5	set	
	125 A ,MCCB incomer 2 no				
	100 A, 400 V,				
	80 A , TP MCCB 1 nos				
	Copper Busbar with Hardware 1 lot				
	63 A , TP MCB 1 no				
	32 A , TP MCB 7 no				
	16 AMP MCB 20 no				
	10 AMP MCB 32 nos				
	Measuring Devices with A,V, KA,KW,KVAR,KV,PF 1 set				
	CTs for Measuring and indication Devices 1 set				
E	UPS/ Distribution Board : (Breaker : ABB,Siemens,Hager)				
a	DB-5 consisting of :		5	set	
	32 A,TP MCB incomer 1 no				
	32 A,DP RCBO Per Phase 3 no				
	Phase Indication with 2A MCB 3Sets				
	Copper Busbar with Hardware 2 lot				

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	6/16 A , SP MCB	12nos			
	Back up Section				
	16 A,DP MCB	1 no			
	6 A , SP MCB	4nos			
b	DB-4 consisting of :		1	set	
	63 A , TP MCB incomer	1 no			
	32 A,DP RCBO per phase	3no			
	Phase indicatin with 2A MCB	3 set			
	Copper Busbar with hardware	2 lot			
	32 A,TP MCB	1no			
	16 A,TP MCB	5no			
	6/16 A,SP MCB	12no			
	Back up Section				
	16 A,DP MCB	1no			
	6 A , SP MCB	4nos			
E	CCTV system				
1	Supply ,instalition,testing,commisining of 64 /128 channel NVR suitable for Our system as per IS Standard		Dahua/Hikvision/Startup or equivalent	Nos	
a	12 MP Network Fisheye Camera (DS-2CD63C2F-IV) Hikvision		6pc	pc	
b	6MP Fisheye Network Camera (DS-2CD6362F-IV)Hikvision		6pc		
c	8MP Smart IP Indoor Dome Camera (DS-2CD4185F-IZ)Hikvision		90 pc		
d	8MP Network Dome Camera 4K(DS-2CD2185FWD-IS)Hikvision		90 pc		
e	3 MP Fisheye Network Camera (DS-2CD6332FWD-IVS)Hikvision		6 pc		
f	8MP 4k WDR Vari-focal Network Bullet camera Hikvision (DS-2CD2785FWD-IZS)		6 pc		
g	8MP 4k WDR Vari-focal Network Doom camera Hikvision(DS-2CD2785FWD-IZS)		90		
h	4K smart IR PTZ Camera (DS-2DF8836IV-AEL)Hikvision		2 pc	pc	
i	Darkfighter X 2mp 25XIR Network Speed Dome (DS-2DF8225IH-AFL) PTZ Hikvision		2pc		
j	4k 8 MP WDR IR Dome Network Camera (IPC-HDBW5831E-2E) Dahua		90 pc		
k	4k 8 MP WDR IR Dome Network Camera (IPC-HDBW5831R-ZE)Dahua		90 pc		
l	4k 4 MP WD IR Eyeball Network Camera (IPC-HDW5431 R-ZE)Dahua		90 pc		
m	4k Fisheye 4mp 360 degree dome ip camera Dahua		6 PC		
	4k IPC HFW4800E Bullet Camera Dahua		6pc		
n	8MP 4k WDR Vari-focal Network Bullet camera Dahua		Bullet 6 PC	pc	
o	4K smart IR PTZ Darkfighter Camera Dahua		2pc		
F	NVR System				
a	NVR 616-64 4Ks2 (64 channel Ultra 4k h.265 Network video Recorder)Dahua		2		
b	NVR 616-128 4KS2(128 channel Ultra 4k h.265 Network video Recorder)Dahua		1		
c	64 Channel Deepinmind NVRS -Hikvision		2		
d	128 Channel Deepinmind NVRS -Hikvision		1		
e	64 Channel Smart Pro NVRS-Hikvision		2		
f	128 Channel Smart Pro NVRS-Hikvision		1		
g	64 Channel DS9664NI-I8 4K NVR -Hikvision		2		
h	128 Channel DS9664NI-I8 4K NVR -Hikvision		1		
G	Storage device				
a	Seagate Surveillance HH Drive 6TB for NVR System		4	pc	



b	WD Purple Surveillance HDD Drive 6TB for NVR System.		4	pc		
H	Web Smart POE Switch	D-Link/cisco/HP/Netgear/Linkbasis Etc				
a	16 Port POE Switch		6	pc		
b	24 Port POE Switch		6	pc		
c	32 Port POE Switch		6	pc		
I	Web Smart Gigabit Ethernet Switch	D-Link/cisco/HP/Netgear/Linkbasis Etc				
a	16 Port Switch		6	pc		
b	24 Port Switch		6	pc		
c	32 Port Switch		6	pc		
J	TCP/IP Transmission of Video, USB, Audio,Mic,RS232 Signals of Computer max up to 120 mtr through single Cat5e Cable for NVR to LED TV.	Any Brand.	2	pc		
	2 Smart 4k TV	LG/Samsung/Sony/Toshiba etc				
a	40 " 4K LED smart TV monitor .		3	Nos		
b	55" 4K LED smart TV monitor .		3			
	3 Supply ,instalition, interconnection and putting into operation of IP Based Keyboard Controller as per specification.		2	Nos		
	4 Supply ,instalition, interconnection and putting into operation of Pure Sineware online UPS as per specification all complete.	Hitachi/Sukam/Emerson or Any Brand		Nos		
a	10 kva		5			
b	15 kva		1			
K	NEA intake From Transformer :					
	1 3 nos f 50 sq. mm ACSR conductor for NEA line intake (assumed quantity)		0	rm		
	2 11 meter H pole structure with 2 nos of 10 .4 meter MS pole.		0	set		
	3 11 KV metering & taping Arrangement with followings.		0	job		
	1 set of CT 200/5.					
	1 set of CT meter +200A MCCB with Enclosure.					
	1 set of CT meter +200A MCCB with Enclosure.					
	1 set of 3 pole 11 kv lighting arrestor.					
	1 set of 3 pole 11 kv DO fuse set .					
	1 lot of 10 core cable .					
	3 set of pole + transformer Earthing .					
	dead end spindle,clamps, insulators,stay wires all complete.					
L	For generator Use ATS :					
	1 200A ATS/AMF Panel with cabling and connection.		1	set		
M	Additional Work Quotation :					
	1 Main Gate at Entrance		1	set		



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2	Boundary Railling		3370	Sq,ft		
3	Railling on Emergency Staircase		492	R Ft		
4	12mm Toughten Glass on Paragola and Canteen Passage .		1870	Sqft		
5	Projector on Training Hall and Meeting Room ,Class room	Epson/NEC/Benq etc.	8	pc		
a.	Epson EB-1945w					
b.	EB-1870					
6	Curtain and Sound System on Auditrium Hall		1	set		
7	Automatic Door Operator Sensor at Ground floor Glass Door .	Enox/HUFCOR /Any Company	2	set		
a	Video Door Phone	Hikvision/ZKTecho/Dahua etc.	1	pc		
b	Smart Door Luck	Hikvision/ZKTecho/Dahua etc.	1	pc		
I	Intercom 4/8 colineinput 16/32 port output	Miracall /Nec/Panasonic	6	pc		
a	Mt-8 Telephone Set Miracall /KX TDA 100D Telephone Set panasonic/NEC Telephone Set	panasonic/nec/miracall etc.	15	pc		
b	Normal Teliphone set miracall/panasonic/nec/Digicom etc		100	pc		



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