PACKAGED UNIT SCHEDULE

AIR HANDLING UNIT		SUB-PKG-01A,B					
QTY		2 (ONE AS STANDBY)					
LOCATION		SUBSTATION BUILDING ? ROOF					
TYPE		HORIZONTAL	WITH MIXING BOX				
FAN DISCHARGE POSITION		UP DISCHARGE					
SITE ALTITUDE ABOVE SEA LEVEL		1'685	m				
CONDENSING UNIT		SUB-PKG-01A,B					
QTY		2 (ONE AS STANDBY)					
CONDENSING UNIT LOCATION		ROOF					
REFRIGERANT		R134A					
OUTDOOR AIR DB / WB		50	/	25	°c		
SUPPLY FAN	QTY	1					
	TYPE	CENTRIFUGAL BACKWARD CURVED, DWDI					
	SUPPLY AIR	4592	l/s				
	FRESH AIR	686	l/s				
	EXTERNAL STATIC PRESSURE	400	Pa				
COOLING COIL	ENTERING DB / WB	34	/	18.9	°c		
	LEAVING DB / WB	13.2	/	11.8	°c		
	COOLING CAPACITY	101.3	KW				
	SENSIBLE LOAD	94.1	KW				
	TUBE MATERIAL	SEAMLESS COPPER					
	FIN MATERIAL	ALUMINUM					
	COATING	ANTI CORROSION					
HEATING COIL	TYPE	HOT WATER					
	ENTERING DB	11	°C				
	LEAVING DB	24	°C				
	HOT WATER TEMP (IN/OUT)	82	/	71	°C		
	TOTAL LOAD	200.3	MBH				
	TUBE MATERIAL	SEAMLESS COPPER					
	FIN MATERIAL	ALUMINUM					
	COATING	ANTI CORROSION					
FILTER	PRE-FILTER	ALUMINUM-WASHABLE	EFFICIENCY %	85			
	1ST BED	PLEATED	EFFICIENCY %	30			
	2ND BED	BAG	EFFICIENCY %	95			
	3RD BED	–	–	–			
COMPRESSOR	TYPE	SEMI-HERMETIC	SCREW				
	QTY	1					
AIR COOLED CONDENSER	TUBE MATERIAL	SEAMLESS COPPER					
	FIN MATERIAL	ALUMINUM					
	CONDENSING TEMP.	58.3	°C				
	TYPE OF FANS	AXIAL, ROTOREX					
	ENTERING AIR TEMP.	50	°c				
	HEAT REJECTION	135 (*)	KW				
	COATING	BLYGOLD OR EQUAL					
ELECTRICAL CHARACTERISTICS	TOTAL POWER CONSUMPTION — AIR HANDLING UNIT	7.5 (*)	kW				
	TOTAL POWER CONSUMPTION — AIR COOLED CONDENSER	47 (*)	kW				
	VOLT/PHASE/HZ	400/3/50					
	SUPPLY FAN ELECTRICAL MOTOR IP	55					
	CONDENSER FAN ELECTRICAL MOTOR IP	55					
OPERATING WEIGHT	AHU	1500 (*)	KG				
	ACCU	2000 (*)	KG				

(*) THIS DATA SHALL BE FILLED OR FINALIZED BY VENDOR.

EXHAUST FAN SCHEDULE

TAG NO.	TYPE	SERVICE AREA	LOCATION	QTY.	AIR FLOW l/s	STATIC PRESSURE (Pa)	(*)ELECTRICAL CHARACTERISTICS					REMARKS
							KW	VOLT	PHASE	CYCLE	IP	
SUB-EX-101A,B	CENTRIFUGAL BACKWARD UTILITY TYPE	BATTERY ROOM	ROOF	2	286	105	0.6	220	1	50	55	ONE AS STAND BY EXPLOSION PROOF-ANTI SPARK(Exe IIC T3)
SUB-EX-102	CENTRIFUGAL BACKWARD UTILITY TYPE	CABLE GALLERY	ROOF	1	668	155	0.7	220	1	50	55	
SUB-EX-103,104	AXIAL FAN WALL MOUNTED	DIESEL ROOM	WALL	2	1'105	75	0.37	220	1	50	55	

(*) THIS DATA SHALL BE FINALIZED BY VENDOR.

GENERAL NOTES

REFERENCE DOCUMENTS	DOC. NO.
Substation No.05 HVAC Calculation	LRP-TNA-HV-19-CAL-0001
Substation No.05 HVAC Equipment Data Sheets	LRP-TNA-HV-19-DSH-0001

LEGEND

KEY PLAN

Rev.	Date	Purpose of Issue	PRE'D.	CHK'D.	APR'D.
03					
02					
01	30-NOV-23	AFC	H.RASOOLI	H.RASOOLI	AR.AHOOEI
00	24-JUL-23	Issued for Information	H.RASOOLI	H.RASOOLI	AR.AHOOEI

Project

Completing the Remaining Documents of Design and Engineering Services for LAB2 Unit

P.O. No.:6258 | SCALE : 1:100

Client: I.C.I.I.C.

Consultant: شرکت طرح نوانديشان

DRAWING TITLE:

Substation No.05 HVAC Equipment Schedule

OLD Doc. No.: – | Doc. No.: LRP-TNA-HV-19-LIS-0001

Size: A1 | SHEET No. | 1 OF 1 | REV. 01