

r.			Phase 1 (	October 2020)	Phase 2 (0	October 2023)	
ο.	Description	Unit	Qnty	Cost	Qnty	Cost	Remarks
	11KV HT PANEL BOARD		y				
	Supply, Installation, Testing & Commissioning of indoor type (IP 4X) floor mounted metal						
	clad, 11 kV ICOG Switch Board VCB panel totally enclosed & fully interlocked, truck						
	mounting, horizontal draw out, horizontal isolation type vacuum breaker as per IS/IEC						
	62271-100 (2007) for breakers & 200 (2003), for panels/IS3247 as amended up to date,						
	having capacities as mentioned below, free standing extensible on both sides, single						
	break, trip free mechanism, motorised charged and auto/ manually closing breaker						
	suitable for use on 11 KV, 3 Phase, 50Hz A.C. supply with short circuit fault level of 500						
	MVA, complete with self contained short time current 26.3 kA for 3 sec, Internal Arc Test						
	for AFLR 25.3 kA for 1 sec at individual compartments Le busbar, VCB, and cable compartment, rack in and rack out mechanism, air insulated but encapsulated copper bus						
	bars capacity meeting fault level current , DC power pack, breaker featured with						
	mechanical CN/ OFF indicator with hand trip device. Breaker control TNC switch and all						
	accessories such as shunt trip coil, and auxiliary switch of 4NO+4NC, motorised and						
	manually operated spring assisted closing mechanism, emergency trip push button,						
	interconnections, space heaters, earthing, etc. and equipped with following switchgears						
	and accessories, connections suitable for cable upto 3C x 300 sqmm XLPE cable of 11						
	KV grade (cable entry from bottom), Separate earthing switch shall be provided for Cable		l		I		
	earthing. The earthing truck shall be so designed that it is impossible to earth a live, cable terminations suitable for 3C x 300 sq.mm. XLPE 11 kV cable		l		I		
	TOTAL STREET OF SC X SOU SQ.IIIII. ALP E 11 KV CODIE	l	l		I		
			l				
1		Each			1	290556.0	
_	UNITIZED SUBSTATION						
	Design, manufacture, testing at works, supply, testing and comissioning of Compact	l	l		I		
	unitized Substation, outdoor plinth mounted type, comprising following components	l	l		I		
	interconnected with one another, including required interconnection with cable/ busbar	I	l	1	I		
	and internal earthing connections complete as required and as per specifications.	l	l		I		
			l		I		
	11KV Compact secondary substation outdoor type designed for natural cooling having	l	l		I		
	type tested equipment comprising distribution transformer and SF6 insulated compact switchgear enclosed in robotically sealed laser sealed/welded stainless steel tank,low	l	l		I		
	switchgear enclosed in robotically sealed laser sealed/weided stainless steel tank,low voltage switchboard, interconnection between HT switchgear and transformer using	I	l	1	I		
	cables and transformer to LT switchgear using Al busbars/cables, factory built ready for						
	connection type, internal earthing factory completed and other associated equipment etc.						
	complete as required conforming to detailed specifications	l	l		I		
	7 1 1 1		l		I		
	The enclosure shall have modular construction using G.I sheets and shall be painted with	1					
	polyurethane paint from the exterior. The enclosure for HT & LT switchgear shall be						
	provided with IP54 ingress protection. The transformer compartment will have IP23						
	ingress protection. The transformer used shall be specially designed for low losses and						
	hermatically sealed with corrugated tank. The components of Compact substation shall be						
	as per details below:						
	H.T. PANEL (11KV)						
	INCOMING cum OUTGOING	1					
	1 way 11KV,(V+M) 3 Phase ,50Hz,3 wire,floor mounted ,non extensible, having hinged arc						
	proof cable doors breaking capacity 21KA SF6 insulated compact switchgear enclosed in						
	stainless steel tank having IP67 degree of protection consisting of following:-						
	1 No. 11KV, 630Amps. Tee-off spring assisted type Vacuum circuit breaker unit with self-						
	actuating electronic over current and earth fault relay, fitted with fixed type voltage indicator device as per IEC 61958 and ring core type protection current transformer along						
	with LV compartment with A ,PF ,Bucholtz Relay, auxiliary realys for WTI (Winding						
	Temperature Indication), 4 window annunciation panel and TVM.	I	l	1	I		
		1	l	1	I		
	Air insulated metering panel connected along with above unit, 20KA, 630A having potential transformer, connected jumpers/busbars, LV compartment to incorporate voltmeter as per		l		I		
	transformer, connected jumpers/busbars, LV compartment to incorporate volumeter as per requirement, including providing Voltmeter, Ammeter, Electronic Trivector Meter with MDI.	I	l	1	I		
	space Heater with Thermostat.	l	l		I		
	TRANSFORMER (Oil Filled) WITH AUTOMATIC OLTC	1	l		I		
	1 No. 11KV/415V, 2000KVA three phase, 50Hz, DYn11, Automatic OLTC +5% to -15% in	1	l		I		
	steps of 1.25%, RTCC Panel, Oil Filled, mounted inside compact substation enciosure	l	l		I		
	hermetically sealed, corrugated wall design transformer with Cu winding and standard	I	l	1	I		
	fittings.		l		I		
	Impedance at 75 Degree celsius : 6% ( IS Tol.)	1	l		I		
	Total Loss at Rated load, Voltage & frequency to be: 15.00 KW ( IS Tot.)	1	l		I		
	T nanel (Mounted inside Compact substation enclosure)	1	l	1	I		
	LT panel (Mounted inside Compact substation enclosure) 3200A TPN manually operated ACB, 50KA with microprocessor based O/L, S/C and E/F	1	l	1	I		
	protection along with phase indication lamps & protection MCB complete in all respect	l	l		I		
			l		I		
2	Unitised Substation described as above and as per specifications.	Each			1	3500000.0	
	11 KV Grade HT Cable:						
	3 Core, 240 Sq.mm. XLPE insulated PVC sheathed aluminium conductor armoured power		l		I		
	cable of 11 kV grade (11 kV- Earthed) conforming to IS; 7098 (Part-II) amended upto date.	l			I		
3		Mtr	200	236600.0			
	11 KV Cable End Termination:						
	3 Core, 240 Sq.mm. XLPE insulated PVC sheathed aluminium conductor armoured power	l	l		I		
	cable of 11 kV grade cable end termination with heat shrinkable jointing kit complete with	I	l	1	I		
	all accessories including lugs suitable for following size of 3 core, XLPE aluminium conductor cable of 11 KV grade as required:	Car		29864.0	I		
4		Set	4	29864.0		-	
	Earthing	Set			4	131550.0	
_	Earthing for HT Equipment such as HT Panel, Transformer, etc.	Set		_	4	13 1330.0	
		_					
	Total			266464.0		3922106.0	

	PHASE WISE ELECT							FBY	
<u> </u>	M/s NAVI	EST	A FES LI	LP AT	SEC 3	4 SOHN	IA .		4
S. No.	DESCRIPTION	FAR AREA (SqM)		LOAD III	INFRASTR	HT	REMARKS		
1	PHASE 1 (MARCH 2022)			10850 6965	115 74			JPTO 5TH FLI	
	PHASE 2 (OCTOBER 2023)			0905	/4	3	ļ	TH FLR & AB	V.
EI	ECTRICAL LOAD CALC	I II A T	IONIC I	OD D	DO IE	T THE I	EAFD	V 14/6	_
EL	ECTRICAL LOAD CALC	ULAI	ION2 I	UK P	KOJE	LITHE	LEAF B	Y M/s	1
	NAVI ESTATES LLP A	AT SE	C 34 S	OHNA	AS P	ER DHB	VN NO	RMS	
	AS PER DHBVN SA								-
		ILES CI	KLULAK N	IO D-16)	2017 D	ATED 12/U	4/2017		_
S. No.	DESCRIPTION							UNITS	
	LAND AREA (AS PER ZONING)	)					2.5155		
	FAR 1.75						175 9		
	FAR AREA					1	7814.77	SqM	_
4	CONNECTED LOAD AS PER	16kW	PER 100	SaM			2850.36 k	W	
	DHBVN DEMAND FACTOR AS PER	TOTAL T ETT TOO OUT							
5	DHBVN	(DIVE	RSITY FA	CTOR)			0.6		
-	MAX DEMAND LOAD AS PER			_		_			$\dashv$
- 6	DHBVN	l					1710.22 k	KW	
	MAX DEMAND LOAD AS PER	0.95 F			IN KVA		1800.23 k	2/4	_
- /	DHBVN	U.90 F	F		IIN KVA		1000.23	NA.	
8	TRANSFORMER CAPACITY		MAX LOA	AD @ 80	%		2250.29 k	«VA	
	REQUIRED AS PER DHBVN	_		- 6 00	_	_			
$\vdash$	TRANSFORMER CAPACITY	_				_	-		
9	PROPOSED 11kV	1 NO.					2250 k	kVA	
	TROT GOLD TIRV	_				_	_		
10	GRADE OF CONNECTION FRO	M DH	RVN			_	11 1	W	_
10	GRADE OF CONNECTION FRO	JWI DI	DAIA				- 11		
	Statement of actual	Load	ralculation	n M/s N	ΔVI FST	ΔTES II P Δ	T SEC 34	SOHNA	
-	I statement of actual			,				1	
S.No.	. Air Conditioning Equipme	ent	Qty	Un Load(	,\ C	Total connected .oad (Kw)	Diversit Factor		
A1	Chiller								
1	Water Cooled Chiller 225 TR		2	160	,	320	0.8	256	
2	Air Cooled Chiller 60 TR								
_			2	70		140	0.8		
	THE GOOD OF THE COURT		2	70	$\dashv$	140	0.8	112	
A2	HVAC Pumps				1			112	
1	HVAC Pumps Primary Pumps		3	9.2		27.8	0.8		
1 2	HVAC Pumps Primary Pumps Primary Pumps		3 2	9.2	5	27.8 4.5	0.6 0.6	112 17 3	
1	HVAC Pumps Primary Pumps		3 2 3	9.2	5	27.8	0.6	112	
1 2 3 4	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps		3 2 3 2	9.25 2.25 15.0 5.50	0	27.8 4.5 45.0 11.0	0.6 0.6 0.6 0.6	112 17 3 27 7	
1 2 3	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps		3 2 3	9.25 2.25 15.0	0	27.8 4.5 45.0	0.6 0.6 0.6	112 17 3 27	
1 2 3 4 5	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Condenser Pumps		3 2 3 2	9.25 2.25 15.0 5.50	0	27.8 4.5 45.0 11.0	0.6 0.6 0.6 0.6	112 17 3 27 7	
1 2 3 4	HVAC Pumps Primary Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Cooling Towers		3 2 3 2 3	9.25 2.25 15.0 5.56 28.8	0 0 7	27.8 4.5 45.0 11.0 86.6	0.6 0.6 0.6 0.6 0.6	112 17 3 27 7 52	
1 2 3 4 5	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Condenser Pumps		3 2 3 2	9.25 2.25 15.0 5.50	0 0 7	27.8 4.5 45.0 11.0	0.6 0.6 0.6 0.6	112 17 3 27 7	
1 2 3 4 5	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Cooling Towers Cooling Towers		3 2 3 2 3	9.25 2.25 15.0 5.56 28.8	0 0 7	27.8 4.5 45.0 11.0 86.6	0.6 0.6 0.6 0.6 0.6	112 17 3 27 7 52	
1 2 3 4 5	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Cooling Towers Cooling Towers Air Handling Unit		3 2 3 2 3	9.23 2.22 15.0 5.55 28.8	7	27.8 4.5 45.0 11.0 86.6	0.6 0.6 0.6 0.6 0.6 0.6	112 17 3 27 7 52	
1 2 3 4 5 <b>A3</b> 1	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Cooling Towers Cooling Towers Cooling Towers 285 TR Air Handling Unit		3 2 3 2 3 2	9.2 <sup>1</sup> 2.2 <sup>2</sup> 15.0 5.5i 28.8	7	27.8 4.5 45.0 11.0 86.6	0.6 0.6 0.6 0.6 0.6	112 17 3 27 7 52	
1 2 3 4 5	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Gondenser Pumps Condenser Pumps Cooling Towers Cooling Towers Air Handling Unit 18000 CFM		3 2 3 2 3	9.23 2.22 15.0 5.55 28.8	5 0 0 7 7	27.8 4.5 45.0 11.0 86.6	0.6 0.6 0.6 0.6 0.6 0.6	112 17 3 27 7 52	
1 2 3 4 5 A3 1 A4 1 2 3	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Cooling Towers Cooling Towers 285 TR Air Handling Unit 18000 CFM 10000 CFM		3 2 3 2 3 2 3 1 1 1	9.23 2.22 15.0 5.55 28.8 5.56 11.2 7.55 5.56	5 0 0 7 7	27.8 4.5 45.0 11.0 86.6 11.0	0.6 0.6 0.6 0.6 0.6 0.7 0.7	112 17 3 27 7 52 7	
1 2 3 4 5 A3 1 A4 1 2	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Gondenser Pumps Condenser Pumps Cooling Towers Cooling Towers Air Handling Unit 18000 CFM		3 2 3 2 3 2 1 1	9.23 2.23 15.0 5.55 28.8 5.50 11.2 7.50 5.55 5.50	5 0 7 7 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6	0.6 0.6 0.6 0.6 0.6 0.6	112 17 3 27 7 52 7	
1 2 3 4 5 <b>A3</b> 1 1 2 3 4 5	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Cooling Towers 285 TR Cooling Towers 285 TR 18000 CFM 10000 CFM 10000 CFM 7000 CFM 5000 CFM 5000 CFM		3 2 3 2 3 2 1 1 1	9.23 2.22 15.0 5.55 28.8 5.56 11.2 7.55 5.56	5 0 0 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 4.5.0 11.0 86.6 11.0	0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7	112 17 3 27 7 52 7	
1 2 3 4 5 A3 1 A4 1 2 3 4	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Cooling Towers Cooling Towers Air Handling Unit 18000 CFM 10000 CFM 10000 CFM 10000 CFM		3 2 3 2 3 2 1 1 1 1 7	9.23 2.22 15.0 5.50 28.8 5.50 11.2 7.50 5.50 5.50 3.73	5 0 0 7 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 26.3	0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 8 5 4 4 18	
1 2 3 4 5 1 2 3 4 5 6 6	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Cooling Towers Cooling Towers Air Handling Unit 18000 CFM 10000 CFM		3 2 3 2 3 2 3	9.23 2.22 15.0 5.56 28.8 5.56 7.56 5.55 5.55 3.77	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 26.3 24.8	0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 8 5 4 4 4 18	
1 2 3 4 5 1 2 3 4 5 6 7	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Condenser Pumps Cooling Towers Cooling Towers 285 TR Air Handling Unit 18000 CFM 10000 CFM 10000 CFM 10000 CFM 10000 CFM 5000 CFM 4500 CFM to 5000 CFM 2000 CFM 2000 CFM		3 2 3 2 3 2 3 1 1 1 1 1 7 1113	9.22 2.22 15.0 5.55 28.8 5.56 7.50 5.56 5.56 5.57 3.79 2.22 2.22 2.22 2.1.11	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 26.3 24.8 3.3	0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 8 5 4 4 18 17 2	
1 2 3 4 5 1 2 3 4 5 6 7	HVAC Pumps Primary Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Condenser Pumps Cooling Towers 285 TR Air Handling Unit 198000 CFM 198000 CFM 198000 CFM 7090 CFM 4590 CFM 19900 CFM 4590 CFM 19900 CFM		3 2 3 2 3 2 3 1 1 1 1 1 7 1113	9.22 2.22 15.0 5.55 28.8 5.56 7.50 5.56 5.56 5.57 3.79 2.22 2.22 2.22 2.1.11	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 26.3 24.8 3.3	0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 8 5 4 4 18 17 2	
1 2 3 4 5 5 6 7 8	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Condenser Pumps Cooling Towers 285 TR 18000 CFM 18000 CFM 19000 CFM		3 2 3 2 3 2 3 3 2 1 1 1 1 1 1 7 11 3	9.2º 2.2º 15.0 5.50 28.8 5.50 11.2 7.50 5.50 5.50 3.7º 2.2º 1.10 0.7º	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 5.5 24.8 3.3 0.8	0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 8 5 4 4 4 18 17 2 1	
1 2 3 4 5 1 2 3 4 5 6 7 8 1	HVAC Pumps Primary Pumps Primary Pumps Primary Pumps Secondary Fumps Secondary Pumps Condenset Pumps Condenset Pumps Cooling Towers 265 TR Air Handling Unit 10000 CFM		3 2 3 2 3 3 2 1 1 1 1 1 7 111 3 1	9.2! 2.2:21 15.0 5.56 28.8 5.50 5.56 5.56 5.56 5.57 3.77 2.2! 1.11 0.73	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 26.3 24.8 3.3 0.8	0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 8 5 4 4 4 4 18 17 2 2	
1 2 3 4 5 5 A3 1 1 2 3 4 4 5 6 6 7 8 8 1 2	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Condenser Pumps Cooling Towers 285 TR Air Handling Unit 10000 CFM		3 2 3 2 3 3 2 2 1 1 1 1 7 11 1 7 11 13 3 1	9.22 2.22 15.0 5.50 28.8 5.50 5.55 5.55 5.55 5.59 2.22 1.11 0.77	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 24.8 3.3 0.8 11.0	0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 52 8 8 5 4 4 18 17 2 1 1 1 1 8 3 3 3 7 7 7 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1 2 3 4 5 <b>A3</b> 1 <b>A4</b> 1 2 3 4 5 6 7 8	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Condenser Pumps Cooling Towers 265 TR Air Handling Unit 10000 CFM 1		3 2 3 2 3 3 2 2 1 1 1 1 7 11 1 7 11 13 3 1	9.22 2.22 15.0 5.50 28.8 5.50 5.55 5.55 5.55 5.59 2.22 1.11 0.77	5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 24.8 3.3 0.8 11.0	0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 52 8 8 5 4 4 18 17 2 1 1 1 1 8 3 3 3 7 7 7 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1 2 3 4 5 5 A3 1 1 2 3 4 4 5 5 6 6 7 8 8 A5	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Cooling Towers 285 TR Air Handling Unit 18000 CFM	CFM	3 2 3 2 3 2 3 2 1 1 1 1 7 11 1 3 1 2	9.22 2.22 15.0 5.51 28.8 5.56 5.55 5.55 5.59 1.11 0.77 5.51 1.21 1.21 1.21 1.21 1.21 1.21 1.21	5000077	27.8 4.5 4.5 11.0 86.6 11.0 11.3 7.5 5.5 5.5 26.3 0.8 11.0 11.0	0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 8 8 18 17 2 1 18 18 17 2 1 1 1 1 1 1 1 1 1 1 1 1 1	
1 2 3 4 5 5 A3 1 1 2 2 3 4 4 5 5 6 6 7 8 8 A5 1	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Condenser Pumps Cooling Towers 265 TR Air Handling Unit 10000 CFM 1	CFM	3 2 3 2 3 3 2 2 1 1 1 1 7 11 1 7 11 13 3 1	9.2:215.0. 2.8:8 5.5:5 5.5:5 5.5:5 5.5:6 5.5 5.5:6 5.5:6 5.5:6 5.5:6 5.5:6 5.5:6 5.5:6 5.5:6 5.5:6 5.5:6 5.5	55 50 00 00 00 00 00 00 00 00 00 00 00 0	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 5.5 24.8 3.3 0.8 11.0	0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 52 8 8 5 4 4 18 17 2 1 1 1 1 8 3 3 3 7 7 7 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1 2 3 4 5 5 A3 1 1 2 3 4 4 5 6 6 7 8 8 A5	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Condenser Pumps Condenser Pumps April 18000 CFM		3 2 3 2 3 2 3 2 1 1 1 1 7 11 1 3 1 2	9.22 2.22 15.0 5.51 28.8 5.56 5.55 5.55 5.59 1.11 0.77 5.51 1.21 1.21 1.21 1.21 1.21 1.21 1.21	55 50 00 00 00 00 00 00 00 00 00 00 00 0	27.8 4.5 4.5 11.0 86.6 11.0 11.3 7.5 5.5 5.5 24.8 3.3 24.8 1.5 71.5 60.0	0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 52 7 1 8 5 4 4 18 17 2 1 1 1 1 1 1 1 1 1 1 1 1 1	
1 2 3 4 5 5 A3 1 1 2 3 3 4 5 6 6 7 8 8 1 2 2 3 3 A5 1 2 2 3 3	HVAC Pumps Primary Pumps Primary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Secondary Pumps Condenser Pumps Condenser Pumps Cooling Towers Cooling Towers 285 TR Air Handling Unit 10000 CFM 10000 CFM 10000 CFM 10000 CFM 10000 CFM 10000 CFM 1000		3 2 3 2 3 2 3 2 3 2 3 1 1 1 1 1 1 7 7 1 1 1 1 1 1 1 1 1 1 1	9.2:22:15.0. 2.8:8 2.8:8 5.5(5.5) 5.5(5.5) 5.5(5.5) 5.5(5.5) 5.5(6.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5) 5.5(7.5)	550000000000000000000000000000000000000	27.8 4.5 45.0 11.0 86.6 11.0 11.3 7.5 5.5 26.3 24.8 3.3 0.8 11.0 71.5 60.0 18.8	0.6 0.6 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	112 17 3 27 7 52 7 7 52 7 7 8 8 10 11 11 43 36 41 43 36 11	
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S.NO.	SYMBOL	DESCRIPTION
1.		MS POLE WITH 35W LED STREET LIGHT (07 METER)
2.	<b>⊕</b>	30W LED POST TOP LIGHT ON 4 METER POLE
3.		OUTDOOR TYPE FEEDER PANEL

KEY PLAN:1

## PROJECT:

COMMERCIAL COLONY AREA MEASURING 2.625 ACRES IN SECTOR 34, SOHNA BEING DEVELOP BY SMT. MONIKA RAIZADA W/O SH. NAVEEN RIZADA IN COLLABORATION WITH NAVI ESTATES LLP. (LICENCE NO 79. OF 2018 DATED 17/11/2018)

CLIENT: NAVI ESTATES, LLP NEW DELHI REVISION SCHEDULE:

ARCHITECT SIG: OWNER SIG:

BUILDING TYPE: COMMERCIAL

GENERAL NOTES:

MEP CONSULTANT

## **INNOVATIVE CONSULTING ENGINEERS**

G79/3, 2nd Floor Jasola-Kalindi Kunj Road, New Delhi-110025 Ph: 011-26941605

Email :- innovative.FF@gmail.com

ARCHITECT



1:375@A2

STHAPATI
ASSOCIATES (P) LTD.
architects, interior designers, landscape consultants, & project consultants.

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Ph no.0522 - 4027793

Delhi Studio: T - 34/702, Common Wealth Games Village,
Delhi - 110092
Ph no. 011 - 21211409

DRAWING TITLE: EXTERNAL LIGHTING LAYOUT DRAWING NO: DATE: EL-01 02/12/2020 SCALE: NORTH:

