

Electricity registers and installation of sub-meters

Company:	Nilgiri Estates	Date of visit :	26-02-2020
Site:	NE	From / To Time	10.00 to 13.00
Approved by:	B.Praveen	Prepared by	M.Mahesh
SL.No	Description	Remarks	
1	Is Installed a 3 phase distribution board with 32/64 amps isolator for each electric power connection. MCB should be of lowest capacity to ensure safety (6 amps).	Yes	
2	A separate distribution board can be installed at the labour quarters. Ensure that 1 MCB of 6 amps supplies power to 4 to 6 quarters/huts. It will ensure safety and prevent excessive drawing of power. The distribution board should be installed in a locked room.	No , instead of 6 Amps they are installed 16 Amps for every 8 quarters	
3	Install sub-meters for each of the following:		
	A. Labour quarters. Install multiple sub-meters if labour quarters are at different locations like in SOB.	Yes	
	B. . Brick production.	NA	
	C. . For carpentry and welding workshops	NA	
	D. Site office and model house.	Yes	
	E. . Security kiosk, street lighting and pumps.	Yes	
	F. Sub-meter for each block, sub-block or group of bungalows for internal works like cutting, polishing, etc	Yes	
4	Is Maintaining a separate page for each sub-meter and the main meter in the electricity register.	Yes	
5.	Power to labour quarter should be provided from dusk to dawn. Day time power including Sunday should not be provided.	Yes	
6.	Inspecting all labour quarter atleast once a week and ensure that no labour quarter has bulbs, heaters or other appliances except one tube light an optionally a TV and fan.	Yes	
7	In case it is found that there is a misuse of power in labour quarters like using of light bulbs then disconnect power for entire row of labour quarters for one night. Incase of repeat offence disconnect power for entire row for 3 nights. In that way it will become collective responsibility of labourers to ensure that there is no misuse.	No any misuse	
8	In case of apartments at each lift core install a small board with 2 or 3 15 amps sockets connected to an MCB on each floor. Use 10 sq mm 4 core cable for connecting these boards to the power supply. Connect through a 32 amps isolator on the stilt floor. Incase of bungalows similar procedure of apartments can be followed and the power can be drawn for	Yes	

	each bungalow from the street light poles.	
9	Street lights or security lightings must be divided into 2 or 3 groups. One set of main lines can be operated from dusk to dawn. Rest of the groups can be switched off by 9 or 10 p.m. Give specific instructions to security for enforcement of timings. Control for security /street lighting should be preferably brought to a central location for operational ease.	Yes
10	Provide distribution boards, MCBs and isolators as required for all workshops and brick production facilities.	NA
11	No bulbs or CFLs are to be used on any site except for model flats. Use only 2 ft /4 ft tube lights or metal halide lamps. Do not use halogen lamps. Labour quarters/huts must have 2 ft tube lights.	Yes
12	Use 7/20 or 3/20 aluminum cables for supplying power or inter connections wherever wires are exposed to sunlight or rain. Do not use 1/18, 3/20, 7/20 copper wires for such supply/connection.	Yes

Note: - explained to lady engineers Hemalatha & Bhargavi about circular no 130(a) .

1. Beside of transformer Main meter is installed for that there is no PVC Sintex box and DB box all MCB and wires are exposing outside – enclosed photos
2. Septic tank Pump is under repair
3. Septic tank pump's sub meter reading is not updating in register
4. Beside of security cabin sub meter is installed without PVC sintex box
5. For labour quarters 1 MCB of 6 amps supplies power to 4 to 6 quarters/huts.is not installed , instead of that site people installed 16 Amps for 8 quarters
6. Only 2 no of the labour quarters are using red bulbs remaining all are good

Borewell details & location of site

Company:		SOV-LLP		Date of visit :		25-02-2020	
Site:		SOV		From / To Time		10.00 to 13.00	
Report date		B.Praveen		Prepared by		M.Mahesh	
List of Bore well points at site							
Sl.no	Depth of bore well	Depth of pump	Capacity of pump/hp	Location	Status		
1	300 feet	270	Ksb 1 hp – single phase	Villa no 22	Under repair		
2	400 feet	370	Ksb 3 hp – 3 phase	Villa no 100	Working		
3	150 feet	120	Ksb 3 hp – 3 phase	Labour quarters	Working		
4	300 feet	280	Ksb 3 hp – 3 phase	Villa no 89	Working		
5	300 feet	100	-	Villa no 80 C	Not working Required flushing		
6	320 feet	280	Ksb 3 hp – 3 phase	Villa no 136	Working		
7	320 feet	280	Ksb 3 hp – 3 phase	Villa no 182	Working		

Details of pumps at site.

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Report date		B.Praveen		Prepared by		M.Mahesh	
List of Bore well points at site							
Sl.no	Make of Pumps	Capacity of pumps/hp	Type of pumps		Location	Status	
1	KSB	2 hp	Open well s.b pump		Club house back side tank	Working	
2	KSB	2 hp	Open well s.b pump		Club house back side tank	Working	
3	KSB	2 hp	Open well s.b pump		Club house back side tank	Working	

Details Of Electricity Meter & Sub Meter

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Site:		SOV	From / To Time	10.00 to 13.00
Report date		B.Praveen	Prepared by	M.Mahesh
Sl.no	Meter no's	Meter type	Meter location	Using for
1	2016 – 01438	Main meter	At transformer	Construction purpose
2	0407 03847	CT meter	Beside of club house	CA and Site office , Ro plant
3	078195	Sub meter	Labour quarters	Labour quarters
4	120633	Sub meter	Club house	Installed for RO plant & Club house purpose
5	120636	Sub meter	Club house	Installed for OHT pumps purpose
6	118701	Sub meter	At villa no 100	Bore pumps
7	118702	Sub meter	Club house	Street lights
8	120644	Sub meter	At villa no 78	Bore pumps
9	095528	Sub meter	Beside of security cabin	Main gate bore pump
10	149801	Sub meter	Children's park	For septic tank dewatering purpose