Compact Fluorescent lamps							
(Efficacy & Functionality requirements)							
(As per Regulations for Non-directional Household Lamps, Order No 3 of Year 2015)							

SI. No.	Functionality Parameter	Requirement as	Model 1	Model 2	Model 3	Model 4	Model 5	Model 6
		per Regulations	NIOUEI I	Iviouel 2	Nibuel 3	WOULEI 4	Widdel 3	WIDGELO
1	Lamp Type (CFL/LED /Other)	CFL						
2	Nominal Lamp Power (Watt)	Entered data should fall with in formula. (≤0.24√Φ + 0.0103Φ)						
3	Nominal Luminous flux (Im )							
4	Correlated color temperature(CCT)							
5	Nominal Lamp Life (Hours)							
6	Type of lamp base							
7	Brand							
8	Lamp Model							
9	Lamp Code							
10	Expected quantity of import per year							
11	Importer / Vendor							
12	Manufacturer							
13	Country of manufacture							
	Lamp survival factor at 6000 h	> 0.70						
14	· ·	≥ 0.70						
	Lumen maintenance At 2000h	≥88%						
15	At 2000h for lamps with second	20070						
15	envelope	≥83%						
	At 6000h	≥ 70%						
16	Number of switching cycles before	≥ Lamp lifetime						
	failure	expressed in hours						
	If lamp starting time > 0.3s	≥ 30,000						
17	Starting time							
	If P < 10 W	< 1.5s						
	If P≥10 W Lamp warm-up time to 60% Φ	<1.0s						
10	(luminous flux)	<40s						
18	Lamp warm-up time to 60% Φ (luminous flux) for lamp containing mercury in amalgam form	<100s						
19	Premature failure rate	≤ 2.0% at 400h						
20	UVA + UVB radiation	≤ 2.0 mW/klm						
21	UVC radiation	≤0.01 mW/klm						
	Lamp power factor							
22	If P < 25 W	≥ 0.55						
	If P ≥ 25 W	≥ 0.90						
23	Colour rendering (Ra)	≥ 80						
24	Product Information Requirements on the packaging. (Refer Section 6 of the Regulation)	As specified (Yes/No)						
25	Compliance to lamp Wattage requirement - if equivalence with an incandescent lamp is claimed on the packaging.(Refer Section 6j of the Regulation)	As specified (Yes/No)						
26	Submission of test certificates from an accredited test lab for compliance to all functionality requirements.	As specified (Yes/No)						
	Mercury limit							
27	≥30 W and < 150 W	5.0 mg						
1 -1	< 30 W	2 5 mg	1				1	1 1

2.5 mg

3.5 mg

Yes / No

28

<30 W

Sample submission

<30 W with long lifetime (>15 khrs)