



**TSL COMPARATIVE COST-CALCULATION** of the savings affected by GANESH LED TRAFFIC SIGNAL LIGHTS as compared to a single light using 220V/100W filament bulb or 80VA neon is given below:

	PARTICULARS Considering 12 hrs wkg/day	CONVENTIONAL TSL WITH 100W FILAMENT BULB	CONVENTIONAL TSL WITH NEON SPIRAL	GANESH LED TSL /CIRCLE /ARROW & /MAN
1	Replacement cost	Rs. 10.00 (for bulb)	Rs. 4,500.00	Rs. 3,500
2	Life	1000 hrs.	5000 hrs	1,00,000 hrs
3	Replacement/year	4.38	1	0
4	Capital cost/year	44.00	Rs. 4,500.00	0
5	Annual costs for replacement	Rs. 3,504.00 (@ Rs. 800.00/replace)	Rs. 800.00	Rs 0.00
6	Wattage	100 W	80 VA	4.67W
7	Units of Electricity (KwH) consumed/year	438 KwH	350 KwH	20.48 KwH.
8	Annual cost of above Electricity @ Rs.4.00/unit	Rs. 1752	Rs. 1,401.00	Rs. 82
9	Total cost/year (4+5+8)	Rs. 5300.00	Rs. 6701	Rs. 82.00
<p>AVERAGE YEARLY SAVINGS AFFECTED OVER FILA BULB TSL: Rs. 5218            AVERAGE YEARLY SAVINGS AFFECTED OVER NEON SPIRAL TSL: Rs. 6619</p>				

luminance: @ 3000 lux

On one 4-Lanes Yearly Savings Achieved in Rs. With actual working hrs per day

Types	Nos	BULBS (Rs.)	NEON SPIRAL (Rs.)	LED (Rs.)
RED CIRCLE	12	6 hrs: 31,800	40,208	492
YELLOW CIRCLE	12	9 hrs: 47,700	60,309	738
ARROWS	36	2 hrs: 31,800	40,208	492
STANDING MAN	8	4 hrs: 14,134	17,870	218
WALKING MAN	8	4 hrs: 14,134	17,870	218
Total Amount		Rs. 1,39,568	Rs. 1,78,461	Rs. 2,158
Gross Savings Against		Rs. 1,37,410	Rs. 1,74,303	
Savings Achieved in %.		98.43	98.77	