

## **LED BASED SPV STREET LIGHTING PROGRAMME FOR THE YEAR 2020-2021**

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New and Renewable Energy Department, Haryana is implementing a demand based LED Based SPV Street Lighting Scheme in rural area of the state to reduce the dependence on conventional power for street lighting.

In order to synergize the efforts of the Department for a greater impact of its schemes, LED Solar Street Lighting systems and distribution of LED Bulbs shall be implemented in same cluster of villages preferably in Women Headed GPs. During the year 2020-2021, tentatively 3,125 nos. of LED Based SPV Street Light (each system have 75 watt solar panel, 12.8 volt 30 Ah Lithium Ferro Phosphate battery, 12 Watt White LED Luminaire and Pole of 5 Meter above ground level with dusk to dawn operation {first 4 hours full light (min. 24 lux), rest of the time at lower light (50% Min. 12 lux) level} & 3 days or minimum 36 operating hours autonomy) shall be installed with state subsidy @ Rs. 4,000/- per system and balance will be the user share to be borne by the eligible non-commercial institutions/organizations, Zila Parisad, Gram Panchayats, Block Samitis etc.

The estimated Cost Breakup for selected cluster is as under:-

Name of system	Broad technical specifications of the system	Unit Cost incl. of all taxes	State Share per system	User Share per system
12 Watt LED Street Lighting System	75 watt solar panel, 12.8 volt 30 Ah Lithium Ferro Phosphate battery, 12 Watt White LED Luminaire and Pole of 5 Meter above ground level with dusk to dawn operation {first 4 hours full light	Rs. 14,000/-	Rs.4,000/-	Rs. 10,000/-

	(min. 24 lux) , rest of the time at lower light (50% Min. 12 lux) level} & 3 days or minimum 36 operating hours autonomy.			
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To make the programme more accessible and the system affordable to the Gram Panchayats/ Block Samities/ Zila Parisads/ Institutions/ Organisations, all-out efforts shall be made that funds over and above the subsidies are fetched from the following programme/agencies :-

- (i) Shyama Prasad Mukherji Rurban Mission ( SPMRM)
- (ii) Saansad Adarsh Gram Yojna ( SAGY)
- (iii) Shivalik Development Agency (SDA)
- (iv) Mewat Development Agency (MDA)
- (v) Haryana Waqf Board
- (i) Govt. of India's Institutes in the State for their own campus lighting
- (ii) Universities in the State for their own campus lighting
- (iii) Corporate Social Responsibility (CSR) Funds
- (iv) Other Board/Corporation/ Agencies for the welfare of Scheduled Caste, Weaker Section/ Backward Classes etc.

The Programme shall be implemented by inviting proposals through the respective ADC-cum-CPOs of the districts and after arranging the rate contract for the LED Based Solar Street Lighting Systems through the Supplies & Disposals Department, Haryana, on receipt of user share for the lights, work order shall be placed with the High Powered Purchase Committee's approved suppliers for supply, installation & commissioning of systems. Proposal for arranging the rate contract is under process.

The ADC-cum-CPOs of the State have submitted the following list of villages for providing LED Based Solar Street Lights during the year 2020-2021:-

**List of Clusters and Villages Identified by District Offices**

<b>Sr. No.</b>	<b>District</b>	<b>Name of Block</b>	<b>Name of Cluster/ Block</b>	<b>Villages in the Cluster</b>
1	Ambala	Ambala-I	Sullar	Sarangpur, Rupa Majra, Sullar
			Matheri Shekhan	Mastpur, Tar, Matheri Shekhan, Amipur
			Baknaur	Baknaur, Miya Majra, Niharsa
			Sonta	Sonta, Sonti, Niharsi
			Bara	Bara, Mirjapur, Tarwa
		Ambala-II	Barnala	Barnala, Garnala, Dhankaur, Tundli
			Panjokhara Sahib	Panjokhara Sahib, Khatoli, Janetpur
			Kudda Kalan	Kudda Kalan, Manglai, Sapera, Brahman Majra
			Rattanheri	Raulan, Munarheri, Sahibpura, Rattanheri, Bhilpura
		Barara	Dhanora	Dhanora, Dhanori, Binjalpur, Zaffarpur, Tangial
			Holi	Holi, Simbla, Budio, Sarakpur, Gaganpur
			Mullana	Mullana, Hema Majra, Ghelri, Sohana
			Tandwali	Tandwal, Dadupur, Sajjan Majri, Tandwali, Rajouli
			Kaserla Kalan	Kaserla Kalan, Kaserla Khurad, Kambass, Abdulagarh
		Shahzadpur	Karasan	Garauli, Dhamoli Bichali, Dhamoli Majri, Karasan
			Raiwali	Raiwali, Shamru, Khera Ganni
			Baragarh	Baragarh, Manglaor, Baribassi
			Pathrehri	Pathrehri, Panjeto, Rajauli
			Magarpura	Magarpura, Kalal Majra, Rachchheri
		Naraingarh	Dera	Dera, Hamidpur, Kala Amb, Toka, Chechi Majra
			Lakhnaora	Lakhnaora, Kanjala, Nanduwali, Shakarpura, Bhukheri

			Khanpur Rajputtan	Khanpur Rajputtan, Batora, Bhurewala, Baroli, Kahra Bhura
			Badholi	Badholi, Kurali, Harbon, Bhareri Khurad, Bhareri Kalan
			Kullar Pur	Kullar Pur, Gadholi, Nabipur
2	<b>Bhiwani</b>	Bhiwani	Bhiwani	Manehru
				Tigrana
				Dhanana
		Kairu	Kairu	Kairu
				Jui
		Bawani Khera	Bawani Khera	Sui
				Jamal Pur
		Behal	Behal	Behal
				Obra
		Tosham	Tosham	Tosham
Khanak				
Loharu	Loharu	Loharu		
		Kural		
Siwani	Siwani	Siwani		
		Khera		
3	<b>Charkhi Dadri</b>	Charkhi Dadri	Charkhi Dadri	Charkhi
				Chhapar
				Birhi Kalan
				Imlota
		Jhojhu	Jhojhu	Jhojhu Kalan
				Balali
				Dadhi bana
				Badhwana
		Badhra	Badhra	Badhra
				Berla
				Bilawal
				Umarawas
		Baund	Baund	Achina
				Ranila
				Sanwer
4	<b>Faridabad</b>	Ballabgarh	Ballabgarh	Chandawali
				Machhgarh
				Sohapura
				Sotai
		Faridabad	Faridabad	Deeg
				Bathola
				Kanwara

				Mirjapur
				Baroli
				Kheri Kalan
		Tigaon	Tigaon	Tigaon
				Kaurali
				Neemka
				Madhwali
				Manjawali
5	<b>Fatehabad</b>	Bhattu Kalan	I	Daiyar
				Dhabi Kalan
				Ramsara
		Bhuna	II	Bhundra
				Kani Kheri
				Lehrian
		Fatehabad	III	Ahlsadar
				Haripura
				Shahidanwali
		Jakhal	IV	Narel
				Kudni
				Udeypur
		Nagpur	V	Alikan
				Alawalwas
				Khairpur
		Ratia	VI	Baliala
				Bora
Khai				
Tohana	VII	Kullan		
		Japtewala		
		Manghera		
6	<b>Gurugram</b>	Farukhnagar	Farukhnagar	Taj Nagar
				Sultanpur
				Ghari Nathe Khan
				Bhangrola
				Bas Lambi
		Gurugram	Gurugram	Naurangpur
				Nakhrola
				Wazirpur
				KherkiMajra
		Pataudi	Pataudi	SikandarpurBadha
				Lokra
				Mirjapur
				Daultabad
				Telpuri

				Balewa
				Badshahpur Tenther
		Sohna	Sohna	Bilhaka
				Johlaka
				Kharoda
				Khuntपुर
				Kaimari
		Hisar-I	Kaimari	Mangli
				Harikot
		Adampur	Kohli	Kohli
				Khairampur
				Mothsara
		Agroha	Chickenwas	Chickenwas
				Sarangpur
				Fransi
		Hansi-I	Hindwan	Hindwan
				Rawalwas
				Balasmant
		Uklana	Kanoh	Kanoh
				Pabra
				Prabhuwala
				GP, Thua
		Alewa	Alewa	GP, Sandil
				GP, Chuharpur
				GP, Naguran Nimbaran
				GP, Bhigana
		Julana	Julana	GP, Khima Kheri
				GP, Sirsa Kheri
				GP, Kinana
		B.Garh	B.Garh	Chhara
				Mandhothi
				Ladran
		Beri	Beri	Dighal
				Baghpur
				Bakra
		Badli	Badli	Dadri Toe
				Faizabad
				Jhangirpur
		Jhajjar	Jhajjar	Gudha
				Machrauli
				Kablana
		Matanhail	Matanhail	Kaliawas

				Matanhail
				Goria
		Salahawas	Salahawas	Ahri
				Dhana
				Babepur
10	<b>Karnal</b>	Nissing	Sambhli	Sambhli, Guniana, Bastli
		Munak	Munak	Munak , Gagsina, Staundi
		Karnal	Sangoha	Sangoha, Sangohi, Churnijagir
		Assandh	Risalwa	Risalwa, Salwan, Kabulpurkhera
		Nilokheri	Nigdhu	Nighdu, Karsadod, Raison
		Kunjpura	Daniyalpur	Daniyalpur, Mainmati Newal
		Gharaunda	Hasanpur	Hasanpur, Bastara, Mubarkpur
11	<b>Kaithal</b>	Rajound	Rajound	Kichhana
				Gulyana
				Taragarh
		Kalayat	Kalayat	Balu
				Julani Khera
				Kailram
		Guhla	Guhla	Bhagal
				Peedal
				Mangre
		Kaithal	Kaithal	Baba Ladana
Geong				
Afgan Patti				
Pundri	Pundri	Deeg		
		Pai		
		Jajanpur		
		Jyotisar		
12	<b>Kurukshetra</b>	Thanesar	Thanesar	Mirjapur
				Dayalpur
				Gari Roran
		Pehowa	Pehowa	Bhor Saidan
				Murtazapur
		Babain	Babain	Ramsarnmajra
				Kalwa
				Bir Kalwa

		Shahabad	Shahabad	Shajadpur Patti
				Mohri
				Mugal Majra
		Pipli	Pipli	Doulatpur
				Kishangarh
				Karami
13	Mahender Garh	Kanina		1-Pota 2- Siyana
		Mahender Garh		1- Nangwas 2- Kothal Khurd
		Ateil		1-Sarai 2- Mohalda
		Sihma		1- Faizabad 2- Shaharpur
		Narnaul		1-Dohar Kalan 2- Khanpur
		Satnali		1- Dalanwas
		Nizampur		1- Mokhuta 2- Bamanwas
		Nangal Chaudhari		1- Nangal Kali 2- Iqbalpur
14	Nuh	Indri	Indri	Indri
				Kaliyaka
				Kutubgarh
				Alduka
				Kira
				Bhirawati
				Sudaka
				Rojka Meo
				Chhapera
				Gangoli
		Firozpur Jhirka	Firozpur Jhirka	Rawli
				Patan Udaypuri
				Akhnaka
				Pathrali
				Tigaon
				Mohammad Bass Pol
				Biwan
				Sakras
		Nagina	Nagina	Akhlimpur Nuh
				Moolthan
Hasanpur Nuh				
Nai Nangla				



				Ghagas
				Khedli khurd
				Mandikhera
				Nagina
				Notki
				Shadipur
		Pingwan	Pingwan	Khori Shah Chokha
				Pingwan
				Jhimrawat
				Rithat
				Bajidpur
				Shikrawa
				Baded
				Chandraka
				Basai Khanjada
				Gangwani
		Punhana	Punhana	Neemka
				Bichhor
				Thek
				Jaiwant
				Gulalta
				Pema Khera
				Tirwada
				Neheda
				Luhinga Kalan
				Hathangaon
		Tauru	Tauru	Subaseri
				Kota Khandewla
				Jalalpur Sohna
				Bhangoh
				Dadu
				Buraka
				Khori Khurd
				Salhaka
				Malhaka
				Mandarka
		Nuh	Nuh	Muradbass
				Akera
				Palla
				Tai
				Beersika
				Sonkh
				Bai
				Devla Nagali

				Rahna
				Biwan
15	<b>Palwal</b>	Hodal	Khirbi	Khirbi, Pengaltu, Bhiduki
		Hathin	Kondal	Kondal, Bajada Pahadi, Gahlab
		Hasanpur	Ramgarh	Ramgarh, Bhaindoli, Darana
		Badoli	Sunheri Ka Nangla	Sunheri Ka Nangla, Chandhut, Seikhpur
		Prithla	Alawalpur	Alawalpur, Khajurka, Dadota
16	<b>Panchkula</b>	Pinjore	Gorakh Nath	Gorakh Nath, Nava Nagar, Khokra, Madawala
		Pinjore	Rampur Jangi	Rampur Jangi, Kona,
				Khol Majra, Nanakpur,
				Khol Fateh Singh, Ram Nagar, Karan Pur
		Pinjore	Baad	Baad, Thane Ki Sair,
				Naggal Ruthal, Banoi Khuda Baksh, Kherawali
				Kandiyawala, Paploha
		Pinjore	Toran	Toran, Dakhrog, Khoi
		Pinjore	Mangniwala	Janouli, Bhuwana
				Magniwala, Fatehpur Diwanwala, Mallah,
		Pinjore	Ganeshpur Bhoria	Kedarpur, Kotian
				Ganeshpur Bhoria,
Bakshiwala, Chicken, Khadkuwa, Jabrot,				
Pinjore	Garida	Dhaduwal		
		Garida, Prempura, Johluwal, Charnia, Kiratpur		
17	<b>Panipat</b>		i	Siwah
				Babail
				Kutani
			ii	Diwana
				Rishalu
				Ugrakheri
			iii	Razakheri
				Nimbari

				Phaladpur
			iv	Machhrouli
				Bhalsi
				Karhans
				Bhadar
			v	Beholi
				Kurana
18	Rohtak	Rohtak	I	Jindra, Baland, Makrauli Kalan
		Sampla	II	Pakasma, Kharawar, Dattaur
		Mehm	III	Mokhra Khas, Behelba Farmana Khas
		Kalanaur	IV	Kherari, Saimpal, Patwapur
		Lakhan Majra	V	Kharak Jattan, Nandal Indergarh
19	Rewari	Bawal	Khandora	Khandora, Mohanpur, Jaisinghpur Khera
		Bawal	Deodhai	Dodhai, Suthana, Suthani
		Bawal	Jaliawas	Jaliawas, Banipur, Chirhara
		Bawal	Harchandpur	Harchandpur, Naichana, Rudh
		Bawal	Pawati	Pawati, Kisanpur, Nangal Teja
		Dahina	Masit	Masit, Batori, Buroli
		Dahina	Luhana	Luhana, Aulant, Bass
		Dahina	Dahina	Dahina, Nimoth, Mandola
		Dahina	Siha	Siha, Jainabad, Dhawana
		Dahina	Kumroda	Kumroda, Aliawas, Motla Khurd
		Dharuhera	Mukundpur Basai	Mukundpur Basai, Bolni, Garhi
		Dharuhera	Akera	Akera, Ghtal Mahaniawas, Maheshwari
		Dharuhera	Lodhana	Lodhana, Pithanwas, Bakhapur
		Dharuhera	Jainabad	Jainabad, Baliyar Khurd, Baliyar Kalan
		Dharuhera	Banghthala	Banghthala, Kasola, Kasoli

		Khol	Khol	Khol, Dhani Shoba, Kolana
		Khol	Basduda	Basduda, Ahrod, Nangal Jamalpur
		Khol	Majra	Majra, Chita Dunga, Kund
		Khol	Khaleta	Khaleta, Mayan, Balwari
		Khol	Bhandor	Bhandor, Rajjiyaki, Goliyaki
		Nahar	Kosli	Kosli, Bhakli-2, Jhal
		Nahar	Nahar	Nahar, Juddi, Gujjarpur
		Nahar	Guriani	Guriani, Jakhala, Gugod
		Nahar	Nehrugarh	Nehrugarh, Surehli, Shadat Nagar
		Nahar	Rattanthal	Rattanthal, Usmapur, Bass( Rattanthal)
		Jatusana	Boria Kalampur	Boria Kalampur, Mandhiya Khurd, Rasuli
		Jatusana	Berli Kalan	Berli Kalan, Musepur, Parkhotampur
		Jatusana	Nangal Pathani	Nangal Pathani, Babdoli, Murlipur
		Jatusana	Mohdinpur	Mohdinpur, Mastapur, Nainsukhpura
		Jatusana	Kanhora	Kanhora, Kanhori, Gurawara
20	Sirsa	Sirsa	Sirsa	Bhavdeen
				Panihari
		Nathusari Chopta	Nathusari Chopta	Chhatria
				Chadiwal
		Ellenabad	Ellenabad	Chilkani Dhab
				Damdama
		Rania	Rania	Balasar
				Kharia
		Dabwali	Dabwali	Mammara Khera
				Khuia Malkana
Badaguda	Badaguda	Chautala		
		Panniwala Mota		
Odhan	Odhan	Panjuana		
		Desu Malkana		
21	Sonipat	Gohana		Anandgarh
				Mahara
		Mundlana		Kheri Dam
				Chettera
				Matand

		Kathura		Kathura
				Thaska
		Kharkhoda		Khanda
				Rohat
		Sonipat		Salimsar Majra
				Jahari
		Murthal		Asadpur
				Kurad Ibrahimpur
		Murthal(PMGY)		Gayaspur
				Jhundpur
22	<b>Yamunanagar</b>	Jagadhri		Dayalgargh
				Damla
		Chhachhrauli		Fatehgarh
				Chhachhrauli
				Khadri
		Pratapnagar		Pratapnagar
				Devdhar
		Bilaspur		Machhrauli
				Bilaspur
		Sadhaura		Thaska
				Laharpur
		Radaur		Topra Kalan
				Sillikalan
		Saraswatinagar		Saran
		Lawana		