

Solar panels at all railway stations

4610. DR. R. LAKSHMANAN: Will the Minister of RAILWAYS be pleased to state:

(a) whether Government has started the process of fixing solar panels at all the railway stations across the country with a view to curtail procurement of power from various entities;

(b) if so, the details thereof;

(c) whether Government has fixed any target for reduction in power consumption by fixing solar panels at the railway stations;

(d) if so, the details thereof; and

(e) if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI RAJEN GOHAIN): (a) and (b) Indian Railways (IR) has planned to provide solar panels at many of the Railway stations. IR has planned to source 500 Mega Watt (MW) solar energy by providing roof top solar panels at Railway stations and other Railway buildings. Details of stations and service buildings where solar panels have been installed, so far, are given in the Statement (*See* below).

(c) and (d) IR has planned to set up 1000 MW solar power plants consisting of 500 MW roof top and 500 MW land based solar plants. The roof top solar plants will be provided at Railway stations and various service buildings.

(e) Does not arise.

Statement*Solar plants installed over IR*

Sl. No.	Zonal Railway	Location
1.	Northern Railway	Manwal
		Kathua
		Katra
		Chak Dayala
		Daun-kalan
		Gill

Sl. No.	Zonal Railway	Location
		Dalhousie Road
		Fazilka
		Jhoktahal Singh
		Jiwan-arian
		Pathankot Running Room
		Batihinda cantt.
		Lehrammohabbat
		Rampura phul
		Tapa
		Panjkosshi
		Sunam
		Nabha
		Sangrur
		Talwandi
		Mushafair khana
		Makhu Railway
		Running Room Jalandhar City
		Faridkot
		Firozpur city
		Phagwara Station
		Rohana Kalan
		Akbarpur
		DRM office, MB
		RRI/MB
		Sahibabad station building
		Dasua Railway station
		Shahganj Railway
		Baraut
		Muzaffar Nagar
		Khekra
		Varanasi

Sl. No.	Zonal Railway	Location
		EMU Car Shed Ghaziabad
		Sonwara
		Amb Andaura
		Kotdwar
		Railway School, Jharipani
		Kalanaur
		Chandi Mandir
		DRM office, Ambala
		RAIPUR HARYANA
		Bahadurgarh
		Diwana
		Gurgaon
		Sonipat railway station
		Panipat railway station
		DRM office New Delhi
		ANVT Station
		Central Hospital, New Delhi
		Rail Bhawan
		New Delhi Station
		Old Delhi
		HZNM
		Delhi Cantt. station building
		NRWWO school in Delhi Kishan Ganj
		Shishu Niketan School Basant Lane Railway Colony/Paharganj
		KG school at TKD
		RPSF, DBSI
		Baroda House, New Delhi
2.	Southern Railway	Kumbakonam
		Tiruchchirappalli Town
		CWM office Golden Rock

Sl. No.	Zonal Railway	Location
		Rajapalayam
		DRM office Madurai
		Attur Station
		Chinna Salem
		Tiruppur
		Ettapur Road
		Mukahsapur
		Pukiravari
		Salem town
		Ayodhyapattinam
		Salem Jn.
		EMU Car Shed Tambaram
		Chengalpattu Station
		Sivakasi
		Parli Station
		Tiruvalla
		Mettupalayam
		Divisional office MAS
		Bakel Fort
3.	East Coast Railway	Rail Sadan, GM Office
4.	East Central Railway	GM Office, Hajipur (old bldg.)
		GM Office, Hajipur (new bldg.)
		DRM office
		Phesar Station
		DRM office
		Muraliganj Station
		Pahleza station
		Gomoh station
5.	Eastern Railway	Asansol DRM Building
		Malda DRM Building
		Howrah New complex

Sl. No.	Zonal Railway	Location
		Howrah Station new complex
		Orthopedic Hospital
6.	Metro Railway	Metro Rail Bhawan
		Naopara Sub Station
		Kavi Subash Station
		MahaNayak Uttam Kumar Station
7.	North Central Railway	GM Office Building
		DRM Office & Central Hospital, ALD
		Solar Street lights in Railgaon, Subedarganj
		DRM office, ALD
		Allahabad Station
		Kanpur Central Station
		Electric Loco Shed, Kanpur
8.	North Eastern Railway	GM Office Building
		DRM Office at Izzatnagar, Lucknow & Div. Hospital, IZN
		CME building
		Shahi
		STH
		Officers Rest House, Gorakhpur
		Bijauria
		Ramnathpur Station
		Khalilabad Station
		Anand Nagar Jn.
		Izzatnagar Station
		330 nos. Solar based street lights, IZT Colony
9.	Northeast Frontier Railway	Garh Banaili
		Jalargarh
		Arariya
		Arariya Court

Sl. No.	Zonal Railway	Location
		Manihari
		Kachna
		Dalan
		Rautara
		Ramsan
		Simraha
		Teznarayanpur
		Kantakosh Halt
		Telta
		Mukuria
		Kusiargaon
		Azamnagar
		Sudhani
		Radhikapur(Stn.+Running Room)
		New Cooch Behar
		Dhupguri
		New Mal Bazar
		Aluabari Road
		Khurial
		Naharlagun
		Mendipathar
		Kendukona
		Rangjuli
		Barpeta Road
		Dhemaji
		Gogamukh
		Kaithalkuchi
		Pathsala
		Goalpara
		Murkeongselek
		Silapathar

Sl. No.	Zonal Railway	Location
		Rangiya Jn.
		Barua Bamungaon
		Duliajan
		Sibsagar Town
		Sapekhati
		Dhamalgaon
		Borhat
		Panitola
		Chabua
		Kamarbandha Ali
		Bhojo
		Moabund (Non-electrified)
		Rangaliting (Non-electrified)
		Namrup
		Numaligarh
		Titabar
		Furkating Jn.
		Mariani Jn.
		New Tinsukia Jn.
		Lumding
		Guwahati
		DRM/Building Rangiya
		STTC /PNO, Guwahati
		East Building /HQ /MLG, Guwahati
		Central Building /HQ/MLG
		West Building /HQ/MLG, Guwahati
		Divisional Railway Hospital Lumding
		IT Centre/DRM Bldg./Lumding
		DRM/Building Tinsukia
		Annexe Bldg. of GM/CON/Maligaon

Sl. No.	Zonal Railway	Location
10.	North Western Railway	Jodhpur Basni Deshnok Narnaul Jaipur Ajmer Station Ajmer Hospital Durgapura Ranapratap Nagar Alwar Bikaner Bhattu Sangaria Churu Rajaldesar Netawal Marwar Jn. Falna Rani Dausa Bandikui Nal Gajner Gadwala Napasar Sri dungargarh Dahina Zainabad Mahajan Bridahwal Ajmer Bigga

Sl. No.	Zonal Railway	Location
		Sudsar
		Benisar
		Jansar
		Sird
		Baap
		Nathwana
		Kuchaman
		Osiyan
		Molisar
		Aslu
		Parsneu
		Joharpura
		Kheduli
		Bhilwara station
		Ren
		Jalsu
		Didwana
		Udaipur
		Central Hospital, Jaipur
		DRM office, Jodhpur
		NWR/HQ office, Jaipur
		Gotan Rly. Colony/JU Div.
		Gadra Road Colony/JU Div.
		Munabao Colony/JU Div.
		Personnel training school/JU
		Panipech Rly. Colony/Jaipur
		Ganpati Nagar Rly. Colony/JP Div.
		RPF training center/JP Div.
		ORH/JP
		Devpura station park/JP
		03 Gangs in Goramghat-Marwar sec./AII Div.

Sl. No.	Zonal Railway	Location
		ZRTI/Udaipur/AII Div.
		ORH MJ./AII Div.
		Holiday Home /AII
		BKN Colony
		Solar Park / Bhiwani
		Rewari
11.	South Central Railway	Chittapur (D)
		Bhadrachalam Road (B)
		Bellampalli (D)
		Udgir (D)
		Zaheerabad (D)
		Bhalki (D)
		Secunderabad (A1)
		Khammam Town (A)
		Hyderabad (A1)
		Dharmabad (D)
		Umri (D)
		Kacheguda (A1)
		Gadwal (D)
		Basar (B)
		Kamareddi (B)
		Kurnool City (A)
		Poodoor (E) (Solar+wind)
		Mahaboobnagar (B)
		Anakapalli (A)
		Rajahmundry (A)
		29 stations (PF lights)
		Krishnammakona (E)
		Tirupati (A1)
		Settigunta (E)
		Siddampalli (E)

Sl. No.	Zonal Railway	Location
		Nossam (E)
		Jammalamadugu (E)
		Proddatur (E)
		S. Uppalapadu (E)
		Tummalacheruvu (E)
		Chinaravuru (E)
		Perecherla (E)
		Bhattiprolu (E)
		Vemuru (E)
		Potlapadu (E)
		Kurichedu (E)
		Gundlakamma (E)
		Cheekateegalapalem (E)
		Savalyapuram (E)
		Penumarru (F)
		Pallikona (E)
		Nudurupadu (F)
		Santamaguluru (E)
		Munumaka (E)
		Satulur (E)
		Phirangipuram (E)
		Bandarupalli (E)
		Mandapadu (F)
		Siripuram (E)
		Gudipudi (F)
		Reddigudem (E)
		Bellamkonda (E)
		Lingamguntla (F)
		Pedakurapadu (E)
		Gajjelakonda (E)
		Tarlupadu (E)

Sl. No.	Zonal Railway	Location
		Jaggambhotla Krishnapuram (E)
		Somidevipalli (E)
		Diguvametta (E)
		Gazulapalli (E)
		Valigonda (E)
		Ramannapet (E)
		Chityala (E)
		Srirampuram (E)
		Kondrapole (F)
		Pondugula (E)
		Gurajala (F)
		Rentachintala (F)
		Nagireddipalli (E)
		Thipparthi (E)
		Zampani (F)
		Chelma (E)
		Repalle (D)
		Donakonda (D)
		22 Stations (PF lights & SM room lights)
		Purna (B)
		Parbhani (A)
		Rail Nirman Nilayam, Hyderabad
		Rail Nilayam
		GM camp office
		Central Hospital/ LGD, Hyderabad
		Electrical Panel room/ROC, Hyderabad
		Sub-station/Rail Nilayan
		Lekha Bhawan, Hyderabad
		Hyderabad Bhawan, Hyderabad
		Main stores, CH/LGD
		Ward No.6, CH/LGD, Hyderabad

Sl. No.	Zonal Railway	Location
		Railway Hospital, GNT
		Horsley hills rest house, Madanapalli road, Guntakal
		Memu car shed, Vijaywada
		Sanchalan Bhawan Annexe, SC
		Running room, Motumarri, SC
		Running room, BDCR, SC
		Running room, Bidar, SC
12.	South East Central Railway	Bhanewartonk
		Raipur
		Raipur, Rly. Station
		Risama
		Balod, Rly. Station
		Gunderdehi
		Latabor, Rly. Station
		Kusumkasa, Rly. Station
		Dallirajhara, Rly. Station
		Nainpur, Rly. Station
		DRM Building, Bilaspur
		DRM Building, Raipur
		Railway Colony, Bhanewartonk
		PRS Building, Raipur
		Officers Rest House, Nainpur
		Old GM Building, Bilaspur
13.	South Eastern Railway	Purulia station
		Bishnupur station
		Joychandipahar Stn.
		Rajkharswan stn.
		Chakradharpur station
		Orga station
14.	West Central Railway	GM office JBP

Sl. No.	Zonal Railway	Location
		Kota
		Badarwas
		Kolaras
		Shivpuri
		Panihar
		Shamgarh
		Bhwani Mandi
		Mahroi
		Mohana
		DRM Office Canteen Jabalpur
		DRM Office Jabalpur
		DRM Bhopal
		LC Gates (122x280 Wp)
		Solar Lights
		Kota
		TKD Loco Shed
		Vikramgarh
		Ramganj Mandi
		10x250 Wp Kota
		Kota Workshop
		DRM office control Bldg. Kota
15.	Western Railway	Chittorgarh
		Ratlam Running Room, BRCP
		RTM TRD Building, Ratlam
		RTM DRM Office, Ratlam
		Nimach
		Indore
		Berchha
		Bisalwas Kalan
		Dodhar
		Fatehabad Chandrawatiganj

Sl. No.	Zonal Railway	Location
		Gautampura Road
		Namli
		Varnama
		Makarpura
		Od
		Gothaj
		Vishvmitri (VS)
		Matunga road station
		Jagjivanram Hospital, Mumbai Central
		Mumbai Central
		Grant Raod
		Churchgate station
		RAJ POH Office bldg.
		MX W/S
		Okha
		Palia
		Bachau Solar/wind hybrid system
		Dhola Jn.
		Somnath Solar/wind hybrid system
		Bhanvad
		Paddhari
		Hadmatiya
		Mithapur
		Bhatia
		Chamaraj
		Cybrary, NAIR, Vadodara
		NAIR, Vadodara
		Gothaj, Vadodara
		Vishvmitri (VS), Vadodara
		DRM Office, Ahemdabad
		Paddhari (Staff Colony), Rajkot

Sl. No.	Zonal Railway	Location
		DRM Office, New bldg., Rajkot
		Lakhamachi, Rajkot
		Bhatia (Staff Colony), Rajkot
		Jaliya Devani
		Rajkot (Ground), Rajkot
		Jamnagar
		New building of DRM office, Rajkot
16.	Central Railway	Kaman
		Neral
		Tikekarwadi
		Sangola
		Daundaj
		Khandala
		Oombermali
		Thansit
		Matheran
		Asangaon
		Pen
		Bhusawal
		Pune
		Rahuri station
		Puntamba station
		Ahmednagar station
		KEM station
		Junardeo station
		Pandhurna station
		CSTM Annex bldg.
		CSTM Parcel Bldg.
		Matunga W/S
		Khopoli

Sl. No.	Zonal Railway	Location
17.	South Western Railway	Hubballi Workshop DRM Office, Bengaluru New Zonal Office, Gadag Road, Hubballi Mysuru Workshop Chikjajaur Railway Station MEMU Shed, Banaswadi Birur Railway Station DRM building, Mysore Solar Lightings
18.	Rail Coach Factory	Kapurhala
19.	Rail Wheel Factory	Bangaluru
20.	Integral Coach Factory	LHB Shed ICF Hospital ICF
21.	Rail Coach Factory	Rai Bareilly

**Establishment of rapid rail from Hyderabad to new
capital city of Andhra Pradesh**

4611. SHRI MOHD. ALI KHAN: Will the Minister of RAILWAYS be pleased to state:

- (a) whether it is a fact that Government is taking steps to establish rapid rail and road connectivity from Hyderabad to new capital city of Andhra Pradesh;
- (b) if so, the details thereof; and
- (c) the projects sanctioned for this connectivity, their estimated cost along with the likely date of completion thereof?

THE MINISTER OF STATE IN THE MINISTRY OF RAILWAYS (SHRI RAJEN GOHAIN): (a) to (c) There is no such proposal to establish rapid rail connectivity from Hyderabad to Amravati, the new capital city of Andhra Pradesh. Hyderabad is already connected by rail network with Vijayawada and Guntur. However, for connectivity to Amravati new line project of Vijayawada-Guntur *via* Amravati (106 Kms.) has been sanctioned in 2017-18 at a cost of ₹2679.59 crore subject to requisite approvals. Detailed