

Remote Village Electrification Programme

Though all villages of the State of Haryana have been electrified, but still there are few hamlets (dhanies) in the hilly shivalik belt of Distt. Panchkula which are still un-electrified. These hamlets are having very less no. of households and are not accessible by road. One has to reach in these hamlets on foot on narrow hilly tracks. People in these hamlets were using Kerosene etc. to meet their lighting needs. The electrification with the conventional grid electricity is not economically feasible due to hilly terrain and less no. of houses in each hamlet.

Ministry of New & Renewable Energy, Govt. of India has launched a scheme for electrification of un-electrified hamlets / villages with renewable energy technologies for which Ministry is providing central financial assistance @ 90% of the benchmark cost fixed by the Ministry. The remaining cost is to be borne by the concerned nodal agency / village panchayats. As per MNES guidelines, only those hamlets / villages are to be electrified under this project which are not to be electrified with the conventional grid electricity by 2012.

Realizing the needs of the peoples living in these un-electrified hamlets of block-Morni, Distt. Panchkula, HAREDA prepared a project proposal for electrification of these un-electrified hamlets in phased manner.

PHASE-I

Under Phase-I of the project, 45 un-electrified hamlets of Morni hills were electrified with solar photovoltaic technology.. Under this project, 38 hamlets were electrified by providing SPV home lighting system (Model-IV) consisting of 2 light points and one fan to each household alongwith SPV street lights. The remaining seven hamlets were electrified by installing SPV power plant of 5 KWcapacity in each hamlet. The project for electrification of these 45 unelectrified hamlets having 305 houses with a population of 1564 has been completed in July 2006 The total project cost for electrification is Rs. 250.19 lakhs, out of which Ministry has provided Central Financial Assistance of i.e. Rs.146.83 lakhs. From the remaining Rs. 103.36 lakhs, Rs. 40.00 lakhs have been provided by the Department of Renewable Energy and Rs. 63.36 lakhs by the Shivalik Development Agency.

The list of these 45 hamlets is as under:

Sr. No.	Name of the Hamlet	Name of Bhoj	District
1	Soog	Tipra	Panchkula
2	Tipra BaliRam	Tipra	Panchkula
3	Sarari	Tipra	Panchkula
4	Dundal (Upli)	Kudana	Panchkula
5	Bagwali	Kudana	Panchkula
6	Ledh(Bihla)	Kudana	Panchkula
7	Loharon	Kudana	Panchkula
8	Khadoon	Ponta	Panchkula
9	Banswala-I	Ponta	Panchkula
10	Banswala-II	Ponta	Panchkula
11	Banswala-III	Ponta	Panchkula
12	Bana-I	Ponta	Panchkula
13	Bana-II	Ponta	Panchkula
14	Bana-III	Ponta	Panchkula
15	Chuharpur	Rajpura	Panchkula
16	Budriyo	Rajpura	Panchkula
17	Bolni(Turon-vi)	Rajpura	Panchkula
18	Nichli Manjyon	Naggal	Panchkula
19	Danir	Naggal	Panchkula
20	Bungha	Naggal	Panchkula
21	Kyar(Kohlan)	Naggal	Panchkula
22	Banyala Khil	Naggal	Panchkula
23	Marouli	Naggal	Panchkula
24	Chalon	Naggal	Panchkula
25	Singhwala	Naggal	Panchkula
26	Banghar	Dharti	Panchkula
27	Dakar	Kothi	Panchkula
28	Jori	Nauta	Panchkula
29	Sharda	Nauta	Panchkula
30	Mawas	Mataur	Panchkula
32	Bhayal[Upli]	Kudana	Panchkula
33	Khopar-I	Plasara	Panchkula
34	Khopar-II	Plasara	Panchkula
39	Benyala	Naggal	Panchkula

41	Silly	Naggal	Panchkula
42	Bajriwala	Naggal	Panchkula
44	Sirmada	Dharti	Panchkula
45	Kudal	Koti	Panchkula

PHASE-II

In the Phase-II, 149 un-electrified hamlets of block Morni having 320 households with a population of 1652 have been electrified by installing 336 SPV home lighting systems consisting of two nos. of 11 watt CFL light point and one fan in each household beside installing 208 SPV street lighting systems. The total cost of the project was Rs. 137.56 lacs out of which Ministry of New & Renewable Energy (MNRE), Govt. of India provided Central Financial Assistance of Rs. 85.57 lacs. The remaining share of Rs.41.00 lacs is provided by HAREDA as State share & Rs. 38.76 lacs by Shivalik Development Agency. The project was commissioned in November, 2007.

The detail of these 149 hamlets is as under:.

Sr. No	Name of the bhoj	Names of hamlets in bhoj
1.	Bhoj Kothi	Baror Lana Balyuri Bijyon Tapar Pyog Paprola Khavyon Janjyar Amri Johar Community Bldgs. (11 Hamlets.)
2.	Bhoj Ponta	SherGujjaraBass Khetra-I Khetra-II Katli ka Bass Narwar ka Bass

		Chitewali Gadda Kalyani Gumla Dabrawala Kumbwala Banska-I Banska-II Gumbanjpur Thappalpur Laswa-I Laswa-II Laswa-III Bheriwala-I Bheriwala-II Dhakwala Sirswali Khairi Sangdail Chirwala Katli ka Bass-II Talwad Community Bldg (27 Hamlets.)
3.	Bhoj Plasara	Kalti(Ambova) Indirawala(khairi) Bag Khajuwala(led) Plasara-II(Upla) Plasara-III (6 Hamlets.)
4.	Bhoj Naggal (Rajji tikri)	Katli Manjyonupli Chyog Malothi Tibra(Chadyana) Kyar(Dhanir) Haraghat Hard Ka Dal Sapar-I Sapar-II Community bldg. (10 hamlets)
5.	Bhoj Naggal	Prem ka Kheel

	(Utron)		KyarBass(Kalyana) Sahyon Bass Bara Ghat Hahtia Bass Pyog (Sehlonbass) Hard Ka Dal Community bldg. (7 hamlets)
6.	Bhoj (Dabsu)	Naggal	Gulariwali Katal Ghata Neemwala Bariwala Serta Dabsu Harta Jamla Tanda Banee Mandir Community bldg. (11 hamlets)
7.	Bhoj (Tahandog)	Naggal	Dhar Chhandoo Chhandora Rug Salyon Rehdua Chathiya Jog Amar Kund Community bldg. (9 hamlets)
8.	Bhoj Rajpura		Rana Upla Shri Nagar Dhakwala(Budriyon) Geetoo ka Bara Tadawala Community bldg. (5 hamlets)
9.	Bhoj Naita		Naid (1 hamlet)
10.	Bhoj Kudana		Tibbe Pur Thandoli Bag

		Jagyana Baga Bet Bhaun Ghat (Dhaman) Kattali Palenee Thar-I Thar-II Dhakori Banchi Rug Bhaghan (16 hamlets)
14.	Bhoj Dharti	Chhan Wala Silli Dal Kheel Bariwala Dabla Umri (7 hamlets)
	Total	149

PHASE-III

In the Final Phase-III, the remaining 92 un-electrified hamlets of block Morni having 151 households with a population of 682 have been electrified by installing 151 SPV home lighting systems consisting of two nos. of 11 watt CFL light point and one fan in each household beside installing 99 SPV street lighting systems. The total cost of the project was Rs. 65.93 lacs out of which Ministry of New & Renewable Energy (MNRE), Govt. of India provided Central Financial Assistance of Rs. 42.89 lacs. The remaining share of Rs.15.00 lacs is provided by HAREDA as State share & Rs. 8.04 lacs by Shivalik Development Agency. The project was commissioned in August, 2009. With the commissioning of this phase, all the un-electrified hamlets have been electrified. The detail of 92 hamlets to be electrified is as under:

Sr. No.	Name of the hamlet	Nos. of Households
	Bhoj-Naggal (010002000300019100)	
I	Panchayat Uttron	
1.	Hathia Bass Banah	1
2.	Barara Bass	1
3.	Bhiwar Bass Barote Par	1
4.	Charkhi wala	2
5.	Chanyana Bass	1
6	Chohar Bass Tal	1
7	Bara Ghat	2
8	Chohar Bass (hathia)	1
	Total (8 Hamlets)	10
II	Panchayat Rajji Tikri	
9	Uprli Katli	1
10	Johar (Thandot)	1
11	Nichli Thandot	1
12	Dhanir	1
13	Bunga	1
14	Thapna(Batoli)	1
15	Pathiya(Khawa)	1
16	Dungli Johri	1
	Total (8 Hamlets)	8
III	Panchayat Thandog	
17	Biyula-II	3
18	Kohlan(Kayar)-II	1
19	Maroli Khed	1
20	Chalon-II	3
21	Salyon Radur	5
	Total (5 Hamlets)	13
IV	Panchayat Dabsu	
22	Thorewala-Bela	1
23	Gharat Bela	1
	Total (2 Hamlets)	2
V	Bhoj-Jabyal (010002000300018600)	
24	Kambal dera-I	2
25	Katal	2

26	Kisanpura	2
27	Kambal dera-II	2
28	Jakhro	5
29	Dungi Baisakhi	1
	Total (6 Hamlets)	14
VI	Koti-Darda (010002000300018500)	
30	Bayen	1
31	Bhohn	1
32	Glor(Kathi)	3
33	Chakla	4
34	Gardyana	5
	Total (5 Hamlets)	14
VII	Bhoj-Balag (010002000300017900)	
35	Ghat Daal	1
	Total (1 Hamlets)	1
VIII	Bhoj-Plasara (010002000300018000)	
36	Khopar – Part-II	4
	Total (1 Hamlets)	4
IX	Bhoj- Kudana(010002000300018800)	
37	Gauri (Dhin)	2
38	Thalap	1
39	Tal (Reta)	2
40	Jaman Wala	1
41	Khil Dundal	2
	Total (5 Hamlets)	8
X	Bhoj-Pounta (010002000300018700)	
42	Lasava	1
43	Satiyawala Tapar	1
44	Dabor Ka Bass	1
45	Karun/Bana	4
46	Bass Gugga Mari(katli Ka Bass)	1
47	Dabra Wala	1
48	Dharre Ka Bass (Bhutiwala)	3
49	Nimbwala(Bains ka bass)	1
50	Sher Gujran ka bass(Murti devi)	1
51	Mandwala(bass wala)	1
	Total (10 Hamlets)	15
	Bhoj-Rajpura	

	(010002000300019200)	
XI	Panchayat Baldwala	
52	Riyal wala (Turon)	3
53	Nayur wala bass (Sher Jvain)	2
	Total (2 Hamlets)	5
XII	Panchayat Rajpura	
54	Parla Jiya	2
55	Ghat wala bass	1
56	Naliyan wala	1
57	Amle wala Bara	2
	Total (4Hamlets)	6
XIII	Bhoj-Kothi (010002000300019000)	
58	Dandoli	2
59	Dandoli(odar)	1
60	Soon	1
61	Dandoli(kheel)	1
62	Kothi	1
63	Jamnyar	1
64	Baror	1
65	Pathroti(Ladyar)	1
66	Dandoli(Sire Ka bass)	1
67	Ferisair	1
	Total (10 hamlets)	11
XIV	Bhoj-Naita (010002000300018200)	
68	Bagh	4
69	Kalyani Rug	1
70	Rug	2
71	Patog Barmu	2
72	Dabsu	2
73	Katal Tali (Mophal)	1
74	Kharun	1
75	Plasi Nadbel	2
76	Katal Tali	2
77	Marog	1
78	Saida Bhoudi	1
	Total (11 Hamlets)	19
XV	Gram Panchayat Bhoj Dharti (010002000300018300)	
79	Bariwala	2
80	Sirmra	2

81	Dhal	1
82	Mophal	1
83	Berhera	2
84	Damani	1
85	Chakyana	1
86	Khana	1
	Total (8 Hamlets)	11
XIV	Bhoj-Mataur (010002000300018900)	
	Gram Panchayat Thapli	
87	Bawri wala	1
88	Gujri wala	1
89	Bhuhar Katli	3
	Total (3 Hamlets)	5
XVII	Bhoj-Tipra (010002000300018300)	
90	Khata Khil	1
91	Dhaman Khil	1
92	Bradal(Rewari)	3
	Total (3 Hamlets)	5
	Grand Total	151

AFTER SALE SERVICE

These systems have been installed with five year comprehensive maintenance contract. For day to day operation & maintenance of the systems, village level committees have been formed headed by the Sarpanch of concerned panchayat. A monthly rent of Rs. 50/- and Rs.60/- per month is being collected from each household for the villages electrified with SPV home lighting system and power plants respectively by the Village Energy Committee's. This fund is deposited in a bank under the supervision of Additional Deputy Commissioner-Panchkula. These funds will be utilized for the maintenance of the systems after the expiry of five years CMC. This has ensured peoples participation and sense of ownership for these RE systems. As the people living in these hamlets were using keorsene for lighting purposes and have no access to the entertainment gadgets like TV, the electrification through Solar Energy has brought a sea change in the life & living of resident of these hamlets

PROJECT AT GLANACE

Item	Phase-I	Phase-II	Phase-III	Total
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Hamlets Electrofied	45	149	92	286
Households	305	320	151	776
Population	1564	1652	682	3,918
Systems Installed				
(i) HLS	221	336	151	708
(ii) SLS	110	208	99	417
(iii) Power Plant 5KW	7	-	-	7
Year of Commissioning	July,2006	Nov.,2007	Aug,2009	
Total Cost (Rs.)	2,50,19,400	1,37,56,000	65,93,800	4,53,69,200
MNRE/GOI share (Rs.)	1,46,83,170	85,57,216	42,89,348	2,75,29,734
HAREDA share (Rs.)	40,00,000	41,00,000	15,00,000	96,00,000
SDA share(Rs.)	63,36,230	10,98,784	8,04,452	82,39,466