

THE FOLLOWING ARE THE PROJECTS INVESTIGATED BY UPNEDA:

Phase-I (Project DPR completed):-

S.N.	Project Name	District	Capacity (KW)
1.	Chudiyala	Meerut	550
2.	Akbarpur	Meerut	550
3.	Betwa I	Jhansi	1800
4.	Betwa II	Jhansi	1000
5.	Ghunchai	Pilibhit	600
6.	Dasna	Ghaziabad	2000
7.	Kuthond I	Orai(Jalaun)	550
8.	Kuthond II	Orai(Jalaun)	550
9.	Ken	Banda	250
10.	Dhakauli	Meerut	300

Phase II (Project Pre-feasibility report completed)

S.N.	Name of project	District	Capacity (KW)
1.	Tarabganj	Baharaich	1000
2.	Imamganj	Baharaich	1300
3.	Parichha	Jhansi	1800
4.	Hardoi canal	Hardoi	1200
5.	Matena	Pilibhit	2200
6.	Anoopshahar	Bulandshahar	1100
7.	Gudami	Pilibhit	3000
8.	Rihand NTPC	Sonbhadra	1500
9.	Singrauli NTPC	Sonbhadra	3000
10.	Ken canal	Banda	2500

Expected Potential of Small Hydro Power (SHP) programme:

S.N.	Water resource system	Potential (MW)
1.	Small hydro power project based on river and canal falls	
a.	Ganga & Yamuna canal system	38.900
b.	Sharda & Rapti canal system	35.100
c.	Southern tributaries of Yamuna & Bundelkhand region	35.645
	Sub Total	109.645
2.	Hydro potential on existing irrigation dam	458.400
	Total	568.045

COST OF HYDRO POWER (SHP) PROJECT:-

The Project cost of the SHP (Canal Falls based) is approximately 7- 8 Crore/MW.

Financial Assistance & Other Benefit:

As per time to time directions released by MNRE, GoI there is a provision of Central Financial Assistance(CFA) which is as follows:

1. For Private Entrepreneurs:

upto 1.0 MW project:

20% of project cost limited to 10 lakh + 7200 per KW.

Upto 1.0 MW to 25 MW project: 20% of project cost limited to 0.75 crore+Rs. 12.5 lakhs per MW

2. For Government Agency:

1.0 MW project:

40% of project cost limited to 20 lakh+Rs. 14425 per KW.

upto 1.0 MW to 25 MW project:

40% of project cost limited to 1.5 crore+Rs. 25 lakhs per MW

3. For DPR & DSI:

(Both for Govt. as well as Private Sector)

upto 1.0 MW project - Rs. 1.25 Lakhs

1 MW to 10 MW -Rs. 2.0 Lakh

10 MW to 25 MW- Rs. 3.0 Lakh

List of Manufacturers:

1. M/s Alstom Projects India Limited, New Delhi
2. M/s Bharat Heavy Electronics Limited, Bhopal
3. M/s BovingFouress Limited, Bangalore
4. M/s VA Tech. Eseher Wyss Flovel Limited, Faridabad
5. M/s Jyoti Limited, Vadodara

Current Progress:

57 nos. small hydro power projects have been identified on canals by UPNEDA with power generation capacity of 167 MW. Apart from this 10 Project DPRs and pre-feasibility report (PFR) of 10 projects have been prepared. Implementation of identified SHP projects is being carried out through private developers as per small hydro power policy 2009 of state government.

NON-CONVENTIONAL ENERGY DEVELOPMENT AGENCY, U.P.

Identified/investigated sites of Small Hydro projects by NEDA.

S.NO.	Name of Project	District	RIVER/CANAL	Change/ Location	Discharge (cumeecs)	HEAD (m)	Capacity (KW.)
1	Walipura	Bulandsahar	UpperGanga	133-5-564	30.15	2.20	400.00
2	Qutubpur	Meerut	UpperGanga/ anupsahar	10-3-0mile	44.00	2.20	550.00
3	Akbarpur	Meerut	UpperGanga/ anupsahar	18-7--0	44.00	3.00	550.00
4	Dasna	Gaziabad	UpperGanga	105-4-585 mile	71.00	3.70	2000.00
5	Dhakoli	Meerut	Anupsahar	38-8993km	39.02	1.77	300.00
6	Betwa-I	Jhansi	Betwacanal	canalhead	165.58	2.35	1800.00
7	Betwa-II	Jhansi	Betwacanal	9.6km	134.35	3.23	1500.00
8	Kuthond-I	Jallaun	Betwacanal	4.237km	51.93	2.37	550.00
9	Kuthond-II	Jallaun	Betwacanal	7.533km	51.80	2.52	550.00
10	ken	Banda	Kencanal	48.076km	66.50	2.39	500.00
11	Ghunchai	Pilibhit	Shardacanal	121.4km	124.64	1.61	600.00
12	Jauli	Muzafarnagar	UpperGanga	48-2-98mile	163.93	3.51	4000.00
13	Tarabganj	Bahraich	Ghagra	Tarabganj fall	40.00	4.20	1000.00
14	Imamganj	Bahraich	Ghagra	Inamganj	50.00	4.21	1300.00
15	Paricha-I	Jhansi	Betwacanal	Parichhfall	121.71	1.81	1500.00
16	Matena	Pilibhit	Shardacanal	Matenafall	175.00	1.37	500.00
17	Gudami	Pilibhit	Shardacanal	4.36km	0.00	1.83	500.00
18	Rihand	Sonbhadra	NTPCcanalfall	NTPC	30.00	10.83	2000.00
19	Singrauli	Sonbhadra	NTPCcanalfall	NTPC	51.80	10.00	3000.00
20	Hardoican	Hardoi	Hardoicanal	16-4-0mile	113.80	1.37	1018.00
21	Kencanal	Banda	Kencanal	48.8-48.17	46.28	1.45	445.00
22	Hardoican	Hardoi	Hardoicanal	21-5-0	40.00	1.25	350.00
23	Fatehpur	Saharanpur	Hathnikund	1.90km	52.17	7.23	3000.00
24	Khairree	Saharanpur	Hathnikund	2.70km	52.17	9.10	3750.00
25	Madho-I	Pilibhit	Shardacanal	5.64km	124.00	3.55	3750.00
26	Madho-II	Sahjahanpur	Shardacanal	29.60km	181.00	3.78	6000.00
27	Nahil	Sahjahanpur	Shardacanal	49.20km	181.00	2.50	4000.00
28	Ramganga	Bijnor	Ramganga canal	81.716	91.00	9.43	8000.00
29	Jauli	Mujaffarnagar	UpperGanga	48-2-098m	162.00	2.65	3500.00
30	Kenbr-I	Banda	Kenbranch	RD210-310	105.00	3.10	3500.00
31	Kenbr-II	Banda	Kenbranch	RD30-0-580	105.00	3.86	3500.00

S.NO.	Name of Project	District	RIVER/CANAL	Change/ Location	Discharge (cumecs)	HEAD (m)	Capacity (KW.)
32	Nausera	Saharanpur	Yamunacanal	4.60km	142.00	13.30	15000.00
33	Milakpur	Saharanpur	Yamunacanal	9.46	122.00	13.30	15000.00
34	Sarkari	Saharanpur	Yamunacanal	36.50km	92.50	3.43	2000.00
35	Parichhatgarh	Meerut	Anupsahar branch	50	27.50	3.45	800.00
36	Dewai	Meerut	Anupsahar branch	67.40km	27.50	4.00	600.00
37	Jakhara	Meerut	Anupsahar branch	85.30Km	26.00	3.20	400.00
38	Dundwara	Mainpuri	Bewarbranch	26.70Km	19.60	3.23	400.00
39	Bheera	Lakhimpur	Kheeribranch	8.00Km	102.80	4.61	3000.00
40	Dunda	Lakhimpur	Hardoibranch	30.20Km	161.20	3.71	4500.00
41	Pilibhit	Lakhimpur	Kheeribranch	23.60Km	102.80	3.09	2000.00
42	Shahj.pur	Lakhimpur	Kheeribranch	36.10Km	102.80	3.81	2250.00
43	Lakhimpur	Lakhimpur		50.10Km	102.80	4.50	3000.00
44	Kosi	Gorakhpur	Kosifeeder	1,45Km	52.10	4.02	1500.00
45	Basoli	Maharajanj	Gandakcanal	Basoli	95.26	3.56	2000.00
46	Jirgo	Lalitpur	Jirgodam	Damtoe	28.00	4.37	860.00
47	Parichha-II	Jhansi	Gursarai	Damtoe	125.00	1.55	1600.00
48	Sirsi	Jhansi	Sirsidam	Damtoe	14.16	10.59	1240.00
49	Sulthara	Jhansi	Sultharadam	Damtoe	6.51	7.92	430.00
50	Atrarra	Banda	AtrarraBr.	10.04Km	72.00	2.56	1500.00
51	Bandraun	Lalitpur	Damtoe	Damtoe	145.00	9.00	10500.00
52	Meja	Mirzapur	Damtoe	Damtoe	33.98	34.50	9500.00
53	Shardasagar	Pilibhit	Damtoe	Damtoe	85.00	6.70	4500.00
54	Dandraul	Mirzapur	Damtoe	Damtoe	35.70	8.40	2500.00
55	Bagul	Sonbhadra	Damtoe	Damtoe	68.12	4.72	1700.00
56	Karmnasa	Varanasi	Damtoe	Damtoe	312.50	60.00	15000.00
57	Garai	Mirzapur	Damtoe	Damtoe	10.40	18.40	1500.00
	Total						167193.00