

**CANAL BASED
MICRO HYDRO POWER PROJECTS
EXPRESSION OF INTEREST FOR
DEVELOPMENT OF MICRO HEP ON
PPP MODE**

Sardar Sarovar Narmada Nigam Ltd. (SSNNL), a wholly owned Government of Gujarat Undertaking, invites Expression of Interest from the experienced PPP developers for development of micro hydro power projects on various branch canals of SSNNL as under:

Sr.No.	Name of Branch canal	No. of locations	Proposed Hydro power potential KW
1	Miyagam	3	1366
2	Amlshwar	1	377
3	Luwara	2	777
4	Vadodara	1	482
5	Dholka	1	482
6	Sanand	2	719
7	Saurashtra	1	343
8	Goraiya	1	349
9	Kharaghoda	1	343
10	Zinzuwada	6	3221
11	Ranoli	5	350
12	Sakarda	2	501
13	Dena	2	224
14	Mahemadabad	2	110
15	Dholka	1	415
16	Rajpura	1	829
17	Vehlal	1	522
18	Mandava	1	168
	Total	34	11578

Interested, experienced and techno-financial capable developers should submit their technical offer along with their credential for the projects listed above & also displayed in our website www.sardarsarovardam.org. The proposed developers are requested to submit their proposal on or before dt. 31-03-2017 after visiting the respective sites. The developer may suggest the sites other than above mentioned sites which are having power potential more than 50KW. The discharge of water in all branch canals will be as per SSNNL irrigation requirements only. For more details, refer website.

Introduction:

SSNNL has got power potential at various canal falls of its branch canals in the range of Small/mini/micro hydro power projects. At present, SSNNL has started implementing various Small/mini Hydro power projects at Saurashtra, Kachchh, Miyagam & Vadodara branch canals. Now SSNNL intend to tap the maximum power potential of micro HEPs category. For the purpose, SSNNL invites Expression of Interest from the experienced PPP developers for development of micro hydro power projects on various branch canals of SSNNL on PPP mode as under:

Sr. No.	Name of Project on branch canal	Chainage in Mtr from Narmada main canal (NMC)	Proposed No. of Unit X KW	Proposed Capacity in KW	Head in mt	Maximum Design Discharge of canal in cumec
1	Miyagam	24000	2X253	506	1.3	63.77
2	Miyagam	45000	2X244	488	2.0	39.99
3	Miyagam	61453	2X186	372	1.65	37.01
4	Amlshwar	10000	2X188.5	377	2.0	30.919
5	Luwara	2250	2X164	328	1.0	53.88
6	Luwara	12012	2X224.5	449	1.85	39.727
7	Vadodara	1940	2X241	482	2.2	35.96
8	Dholka	16560	2X241	482	1.8	43.947
9	Dholka	42720	2X207.5	415	3.05	16.76
10	Sanand	6590	2X192.5	385	2.7	23.352
11	Sanand	21964	2X167	334	3.995	13.718
12	Saurashtra	2220	2X171.5	343	2.45	22.98
13	Goraiya	11580	2X174.5	349	2.85	22.1
14	Kharaghoda	900	2X171.5	343	2.75	20.446
15	Zinzuwada	3000	3X228.5	685.5	2.00	56.205
16	Zinzuwada	6850	3X195.4	586.2	1.968	48.84
17	Zinzuwada	11900	3X177.3	532	2.00	43.62
18	Zinzuwada	15000	3X218	654	2.499	42.92
19	Zinzuwada	18560	2X196.5	393	1.5	42.92
20	Zinzuwada	22400	2X185	370	1.5	40.41
21	Ranoli	7750	2X50	100	4.5	6.13
22	Ranoli	9875	2X50	100	4.00	5.77
23	Ranoli	12175	1X50	50	3.00	4.21
24	Ranoli	17455	1X50	50	5.00	2.21
25	Ranoli	20000	1X50	50	5.00	1.67
26	Sakarda	11214	2X115	230	4.48	7.152
27	Sakarda	13997	2X126	252	4.98	7.042
28	Dena	4500/4700	2X56	112	3.5	4.494
29	Dena	6775	2X56	112	3.5	4.494
30	Mahemadabad	3970	1X55	55	1.95	1.95
31	Mahemadabad	7555	1X55	55	2.60	2.60
32	Rajpura	6320	2X200	400	3.17	19.57
33	Vehlal	210	2X250	500	4.2	15.3
34	Mandava	5550	2X150	300	6.3	8.561

Scope of work of the prospective developer:

1. Conducting Geotechnical investigations.
2. Preparation of Hydraulic & structural Design.
3. The number of units and power potential are indicative. Developer has to check the discharge data, head and calculate the optimum KW generation.
4. The acquisition of land required for the implementation of the project shall be in the scope of developer.
5. The developer has to ensure safety of parent canal as the most important factor.
6. Submission of Detailed Project Report along with power evacuation system and approval from competent authority.
7. SSNNL provides no guarantee for water discharge in the canal. Since the water shall be made available in canal shall be as per irrigation requirement, the power generation shall have to be obtained from the available water from the canal. No deem generation of developer shall be entertained.
8. Approval of Implementation agreement/concession agreement has to be executed between SSNNL & developer.
9. Preparation of Detailed Design and Engineering Drawings.
10. Detail designing of equipments such as sizing, type and its operation philosophy etc.
11. Presentations to competent authorities.
12. Also provide report on Contract Management, Project plan monitoring, Construction supervision of SSNNL etc.
13. SSNNL reserve the right for quality check for Civil & Electro-mechanical parts etc. which are to be implemented during project execution.
14. Operation & maintenance for 35 years

Only developers who have sufficient expertise, experience and strong financial background in all the above activities need to apply.

The following documents should be sent on or before 31-03-2017 addressed to the Chief Engineer (Electrical & Mechanical), S.S.N.N.L. 2nd floor, Narmada Bhavan, Block- A, Indira Avenue, Vadodara-390001. Phone No: 0265-2413395.

1. Company Profile along with audited financial statements for last three years - 2013-2014, 2014-2015, 2015-2016.
2. Copy of the latest Income Tax return or ITCC with permanent account number (PAN) and Income Tax ward where assessed.
3. Company registration under companies Act and Memorandum & Article of Association
4. Organization chart of the company
5. Scanned copy of the certificate of Registration as Approved Contractor of concerned state Government / Railway / CPWD / Government bodies under Gujarat State. The contractor (s) who are registered with other state Government / Railway / CPWD / Government bodies, proof of application made for registration for "AA" class in Gujarat state shall be submitted.
6. Copy of power of attorney duly authorized by Notary public, if power is delegated for signing the bid to other person by the bidder.

7. Past experience of similar assignments (at least equal or larger Projects) carried out in India or abroad, such experience should include the above proposed scope.
8. Technical collaboration for technology transfer with other company if any.
9. Certificate from last three clients stating satisfactory work.
10. CVs of the persons proposed to work on the assignment.
11. Any other information that will demonstrate the developer's competency.

SSNNL reserves right to shortlist or reject any consultant without assigning any reason whatsoever.