

# *Status Report*

*on*

## **JAKEDA**



**JAMMU & KASHMIR ENERGY DEV. AGENCY**  
**(Science & Technology Department, J&K Govt.)**

*(March, 2009)*

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## **1.0 INTRODUCTION**

JAKEDA is a State Nodal Agency working under the administrative control of the Science and Technology Department, J&K Govt, for the promotion and implementation of projects aimed at meeting the energy requirements in general and un-electrified areas of the state in particular by harnessing new and renewable energy sources of energy such as solar, wind, biomass and small hydro.

JAKEDA gets funds from the Ministry of New & Renewable Energy (MNRE), Govt. of India as well as the State Govt for the implementation of various projects in the state.

### **1.1 Status as on 08.05.2007**

Vide Govt. Order No. 23-ST of 2007 dated 08.05.2007, the charge of the post of Chief Executive Officer, JAKEDA was given to Sh. Shafat Sultan, Dy. CEO, JAKEDA in addition to his own duties. At that point of time there were two projects which were pending implementation viz Remote Village Electrification (RVE) programme (2003-04) of the MNRE, GoI and Solar Lantern programme (2006-07) under Border Area Development Programme (BADP). These projects could not be completed upto the end of the financial year 2006-07 and an amount of Rs.282.66 lakhs for the implementation of the said two projects had to be kept in the CD A/c vide Govt. Order No.15-ST of 2007 dated 29.3.2007.

The major activity of JAKEDA prior to the financial year 2007-08 was the promotion and deployment of Solar Photovoltaic (SPV) lighting devices. The RVE project that was sanctioned by the MNRE, GoI in the year 2003-04 envisaged providing of 8297 solar home lights in 50 un-electrified census villages of the districts of Doda (*erstwhile now district Kishtwar*) and Kupwara. The implementation of the project got delayed due to a number of reasons and the Ministry (MNRE) on the request of JAKEDA extended the period of completion of the project for the last time upto end of July, 2007.

### **1.2 Status as on 15.3.2009**

During the last about two years, the aforementioned pending projects have been implemented in full besides a number of new projects have been got sanctioned both at the Govt. of India as well as state level. The aggregate budget of the Agency which used

to be in the range of Rs. 2.5 to 3.0 crores prior to the financial year 2006-07 has now shot upto about Rs.40.00 crores with the sanctioning of a number of new projects.

The following statements give an insight into the present state of health of JAKEDA :

- i) Statement showing details of pending projects of JAKEDA as on 8.5.2007 & the corresponding status ending Feb., 2009 (*Annexure A*)
- ii) Statement showing details of projects sanctioned in favour of JAKEDA during the financial years 2007-08 & 2008-09 with corresponding financial implications and status ending Feb., 2009 (*Annexure B*)

The details of the projects implemented and got sanctioned during the last two years are discussed in the Technical Section of the Status Report.

## **2.0 ADMINISTRATIVE MATTERS**

### **2.1 Reconstitution of the Governing Body and Executive Committee of JAKEDA**

The reconstitution of the Governing Body (GB) and Executive Committee (EC) of JAKEDA was ordered by the State Govt. vide G.O Nos.926-GAD of 2007 & 925-GAD of 2007 dated 7.8.2007 respectively (*Annexure C*). The GB and the EC of JAKEDA have been reconstituted for faster decision making as also for speedier implementation of the sanctioned projects.

### **2.2 Reconstitution of Purchase Committees of JAKEDA**

A proposal with regard to the realistic reconstitution of Purchase Committees of JAKEDA (*ordered in the year 1998 vide Govt. Order No. 19-ST of 1998 dated 28.8.1998*) was submitted to the Administrative Deptt. This was necessitated due to the circular instructions issued by the Finance Deptt from time to time and nature & financial implications of various projects/schemes undertaken by the Agency viz-a-viz its mandate. Vide Govt. Order No. 7-ST of 2008 dated 27.2.2008 (*Annexure D*) the Govt has reconstituted the PCs of JAKEDA. The reconstitution of the PCs of JAKEDA is expected to give a fillip to the activities of JAKEDA.

### **2.3 Service Recruitment Rules of the Agency**

The Draft Recruitment Rules of the Agency have been framed and submitted to the administrative department for finalization . Following their finalization, the rules shall be put up to the Governing Body of JAKEDA for approval and got notified subsequently.

### **2.4 Court Cases**

The following court cases pertaining to the Agency have either been got withdrawn or taken to their logical end thereby reducing pendency in the litigation matters of the Agency.

<b>S.No.</b>	<b>SWP No.</b>	<b>Title</b>	<b>Remarks</b>
1	2323/2003	Chintan Kumar Vs State & others	Withdrawn
2	1568/1999	Muzafar Ahmad Malik Vs State & others	Withdrawn
3	1441/2001	Tariq Ahmad Wani Vs State & others	Withdrawn

### **2.5 Office Automation**

A Documentation Centre each has been established in the Agency's offices at Srinagar & Jammu. The centres house digital photocopiers, computer machines, LCD projectors & Fast Moving Computer Goods (FMCGs). The m/c's have been connected through Local Area Network (LAN) and broadband internet connectivity which has improved the efficiency & work culture in the offices of the Agency.

### **2.6 Website**

The website of the JAKEDA viz, "[www.jakeda.nic.in](http://www.jakeda.nic.in)" was got designed through NIC and launched in April, 2008. The website envisages the profile, mandate and activities of the Agency besides useful links both state and central to enable the users to get an insight into the working of the Agency.

## 3.0 FINANCIAL MATTERS

### 3.1 Audit of the Agency

The Vigilance Organization had seized records of the Agency in cases FIR 58/97 and 6/98 as a result of which the audit of the Agency could not be got conclusively carried out besides the balance sheets of the agency had not been prepared since 1994

The said records seized by the Vigilance Organization have been retrieved (*wholly in case FIR 58/97 and partly in case FIR 6/98*). The Chartered Accountants commissioned by Agency (*following approval by the GB of JAKEDA*) for carrying out the audit and preparation of balance sheets who could not initially conclude the audit of the Agency for want of the aforesaid records have with the retrieval of the record from the Vigilance Organization, completed the audit of the Agency since 1994 and this has to a large extent streamlined the accounts of the Agency.

**The report of the Chartered Accountants together with the Balance Sheets of the Agency have been submitted to the Administrative Deptt vide No. ST/EDA/Audit/92/17-II/3181-82 dated 16.9.2008 (*Annexure E*) and it is proposed to also place the same before the Governing Body of JAKEDA in its forthcoming meeting.**

### 3.2 Untied Funds

JAKEDA receives funds for various projects both from the state plan as well as the MNRE, GoI. The Agency is maintaining accounts in some branches of J&K Bank and while examining the statements obtained from the said banks, it came to light that there was an amount of about Rs.242.00 lakhs with the Agency in the shape of untied funds (*Annexure F*) as on 28.6.2007. These funds had remained un-utilized and had basically accumulated as a result of the interest earned by the Agency (*a*) *on the funds released by the MNRE, GoI under various programmes/projects from time to time and (b) the beneficiaries share received by the Agency from the beneficiaries under various programmes being implemented by the Agency.*

The issue was brought into the notice of EC in its 11<sup>th</sup> meeting held on 28.8.2007 and the EC was pleased to note the quantum of the untied funds and pass the following resolution :-

***“Resolved that JAKEDA has in its bank accounts a quantum of approximately of Rs.242 lakhs as on 28.06.2007, as untied funds (which have basically accumulated as a result of the interest earned by the Agency on the funds released by the MNRE, GoI under the various programmes/projects from time to time) and since the issue with regard to its productive utilization calls for a policy decision, the matter may be placed before the Governing Body of JAKEDA”***

In the meanwhile pending the Governing Body meeting of JAKEDA the matter regarding opening of the revolving fund (*from the untied funds to the tune of Rs.2.00 cr for implementing of various programmes of the Agency with utilization of the said untied funds as central share on reimbursement basis*) was taken up with the Finance Deptt who opined as under :

*“ that the amount in question is already outside Government account and with the approval of the Executive Committee it could be utilized by the Agency and hence creation of a revolving fund does not appear necessary”*

The opinion of the Finance Deptt stands conveyed to JAKEDA vide S&T Deptt communication No.ST/Acctts/72/2008 dated 10.02.2008 (***Annexure G***)

The matter was subsequently taken up in the 12<sup>th</sup> EC of JAKEDA & the EC was pleased to approve the following :

“EC approved the utilization of the untied funds available in the bank accounts of JAKEDA on reimbursement basis in the implementation of the already sanctioned MNRE, GoI projects. The utilized amount shall be recouped from the funds that shall be available to the Agency on cyclic basis at the time of the release of the 2<sup>nd</sup> installment of the Central Financial Assistance for the sanctioned projects. The utilization of the untied funds shall however be subject to the following conditions :-

- i) *The Agency shall maintain proper accounts in respect of untied funds and ensure their proper reconciliation preferably at the end of each financial year*

- ii) *The untied funds shall be utilized for the implementation of only those Centrally Sponsored Schemes sponsored by the MNRE, GoI where there is an assured central govt commitment in terms of the availability of the central share vis-à-vis the guidelines of the sanctioned schemes/programmes”.*

With the approval of the EC, JAKEDA, the funds are being utilized in the implementation of the centrally sponsored schemes on reimbursement basis and this has given impetus to the timely implementation of the various sanctioned projects.

### **3.3 Utilization of state funds lying in the bank accounts of the Agency**

An amount of Rs.34.00 lakhs pertaining to the financial year 2004-05 was lying un-utilized in the bank accounts of the Agency. This amount was essentially the state share released by the P&D Deptt for implementation of solar home lighting scheme sanctioned by the MNRE to JAKEDA during the year 2004-05. However the scheme could not be implemented in full and payments to the suppliers were made wholly by debit to the state plan funds at that point of time. Subsequently with the reimbursement of funds from the MNRE, GoI under the scheme and the resultant shortfall in the achievement of targets, this amount remained un-utilized in the bank accounts of the Agency.

In order to utilize the said funds parked in the bank accounts of the Agency the Planning & Dev. Deptt. were requested through the Administrative Deptt to authorize JAKEDA to utilize the said amount in the implementation of the financial year 2007-08's programmes of the Agency, where there was a shortfall in the state share/allocation. The Planning & Dev. Department vide its No.PD-1/94-S&T(301) dated 14.12.2007 (*Annexure H*) authorized JAKEDA to utilize the said amount of Rs.34.00 lakhs.

### **3.4 Cheque Signing Authority**

In terms of the Memorandum of Association the cheque signing authority for cheques valuing more than 5 lakhs were initially to be jointly signed by the CEO

JAKEDA and the Administrative Secretary, S&T (Director, JAKEDA). However in the year 2003 the then Principal Secretary, S&T delegated the cheque signing authority to the CEO JAKEDA. Subsequently the matter was taken up in the EC of JAKEDA held on 28.1.2004 for ratification. The EC confirmed the action taken by the Administrative Secretary, S&T (Chairman, EC JAKEDA) but desired to have the upper ceiling of the cheques fixed and authorized Chairman, EC (Administrative Secretary, S&T) to have the same fixed based on the proposal to be submitted by the CEO.

**During the period 1/2004 to 6/2007 though the bank accounts of the Agency were operated by the CEOs of the day, however the upper ceiling of the cheques could not be fixed.**

In the month of June 2007 a proposal was moved for fixing the cheque signing delegation to a maximum of Rs.1.00 crore, which was approved by the then Administrative Secretary (Chairman EC JAKEDA) in pursuance of the decision of EC taken in its meeting held on 28.1.2004

Subsequently an Order No.19 of 2007 dated 28.6.2007 (*Annexure I*) authorizing CEO to sign cheques upto a maximum value of Rs.1.00 crore was issued.

### **3.5 Levy of VAT charges on the renewable energy goods procured by JAKEDA**

Prior to the introduction of VAT in the State, the renewable energy devices were exempted from the GST in terms of SRO 137 dated 28.04.2000. Since JAKEDA is in the business of promoting renewable energy sources in the state its line of activity interalia entails import of renewable energy devices from outside the state.

In the same context, in respect of the state of Uttrakhand the renewable energy devices have been exempted from VAT in terms of Uttrakhand Value Added Tax Ordinance, 2005 (*Annexure J*). On the same lines a case in respect of JAKEDA for granting exemption from the levy of sales and entry tax in respect of the goods of the Agency has therefore been taken up with the Administrative Deptt. (S&T Deptt) for taking up the same with the Finance Deptt for appropriate orders. The matter is under examination in the administrative deptt.

## 4.0 TECHNICAL MATTERS

### 4.1 Memorandum of Understanding (MoU) regarding electrification of remote un-electrified census villages of the state

The state Govt has signed MoU with MNRE, GoI for electrification of all the un-electrified census villages/hamlets of the state by deploying renewable energy technologies during the 11<sup>th</sup> Five Year Plan. The MoU has been jointly signed by the Development Commissioner (Power), PDD and CEO JAKEDA on behalf of J&K Govt and the Secretary MNRE, GoI on behalf of Govt of India. Copy of the MoU is at **Annexure K**. One of the salient feature of the MoU, interalia, is to identify all un-electrified census villages/hamlets of the state (*in association with PDD*). The said identified villages have to be subsequently got ratified by Rural Electrification Corpn. (REC), GoI for their coverage under the RVE programme of the MNRE, GoI envisaging upto 90% grants.

The Agency has therefore through its field staff and various other inputs identified 1403 no. of un-electrified census villages/hamlets in the state with the following districtwise breakup :

#### JAMMU

<i>S.No.</i>	<i>District</i>	<i>No. of villages / hamlets identified</i>
1	<i>Udhampur</i>	15
2	<i>Doda</i>	389
3	<i>Rajouri</i>	48
4	<i>Poonch</i>	153
5	<i>Jammu</i>	06
6	<i>Kathua</i>	03
7	<i>Ramban</i>	36
8	<i>Kishtwar</i>	82
9	<i>Reasi</i>	84
<b>Total</b>		<b>816</b>

#### KASHMIR

<i>S.No.</i>	<i>District</i>	<i>No. of villages/hamlets identified</i>
1	<i>Anantnag</i>	146
2	<i>Bandipora</i>	45
3	<i>Budgam</i>	83
4	<i>Baramulla</i>	109
5	<i>Ganderbal</i>	03
6	<i>Kupwara</i>	177
7	<i>Srinagar</i>	04
8	<i>Pulwama</i>	20
<b>Total</b>		<b>587</b>

The lists of the identified un-electrified census villages/hamlets were submitted to the Power Dev. Deptt for vetting and subsequently the PDD vetted lists were submitted to the MNRE, GoI for obtaining clearance of the Rural Electrification Corporation (REC), GoI so that the said villages could be covered (*for the provision of basic lighting facility through deployment of renewable energy devices*) under the RVE programme of the MNRE, GoI. The MNRE & REC, GoI vide their letters No.1/11/1/2008-09/RVE dated 9.9.2008 read with No.1/11/1/2008-09/RVE dated 16.10.2008 & No.REC/RGGVY/MNRE/J&K/07-08/2045 dated 14.08.2008 (***Annexure L***) have as of now cleared 205 villages / hamlets for coverage under the RVE programme of the MNRE, GoI. It is pertinent to mention here that only those villages/hamlets are to be covered under the RVE programme of MNRE, GoI which are not proposed to be covered by the State PDD under the Rajiv Gandhi Grameen Vidyuti Karan Yojana, hence the PDD certification/vetting is a pre-requisite

In order to widen the ambit of the RVE programme, the Ministry has revised its guidelines thereby envisaging certification to be obtained from the concerned district collectors with regard to (a) *that the said identified villages exist in the revenue records of the district* (b) *that the identified villages consist of a population of approximately 100 souls,* & (c) *that the said identified villages/hamlets are un-electrified*

In pursuance of the new guidelines of the RVE programme, the concerned district collectors have accordingly been requested vide JAKEDA's letter No.ST/EDA/40/2006/2122-27/07 dated 8.10.2008 to identify the un-electrified hamlets to enable the Agency to take them up for coverage under RVE programme of the MNRE, GoI. It is expected that in line with the policy of the Central Govt (MNRE) all the un-electrified villages/hamlets of the state, which are without basic lighting facility and stand identified shall be covered under the RVE programme under the 11<sup>th</sup> Five Year Plan.

## **4.2 Solar Lanterns**

### **4.2.1 *Solar Lantern Programme of MNRE, GoI***

During the financial year 2007-08, the Ministry of New & Renewable Energy (MNRE), GoI had sanctioned a target of 8000 solar lanterns which included a target of 500 nos. under the "*Girl Child*" component of the scheme. The solar lanterns were to be

provided to the beneficiaries of un-electrified areas of the state and in respect of the girl child component to the school going girl children (*one per BPL family*) from un-electrified villages/hamlets studying in class IX to XII, free of cost during the entire period of her studies.

The physical and financial details of the programme are as under :

S. No	Year	Physical target		Financial target		Remarks
		Tgt. (Nos.)	Ach. (Nos.)	Tgt. (Rs. in lakhs)	Ach. (Rs. in lakhs)	
1	2007-08	8000	5254	187.31	187.31	The balance target of 2746 nos. could not be achieved due to shortage of funds.
2	2008-09	5246	2746	98.05	98.05	The left out target of 2746 nos. of SLs of the year 2007-08 could be achieved and target of 2500 nos could not be achieved due to non-finalization of rate contract by the competent PC of JAKEDA

During the financial year 2008-09, the Ministry sanctioned a target of 2500 SLs in favour of JAKEDA and also released 50% of its commitment i.e Rs.30.00 lakhs. The procurement of the material is in the pipeline.

**4.2.2 (a) Solar Lanterns under BADP (2006-07 & 2007-08) implemented during the financial years 2007-08 & 2008-09 respectively**

S. No.	Year	Physical target		Financial target		Remarks
		Tgt. (Nos.)	Ach. (Nos.)	Tgt. (Rs. in lakhs)	Ach. (Rs. in lakhs)	
1	2007-08	2900	2900	114.50	114.50	Targets of 2006-07 achieved during 2007-08
2	2008-09	3048	1524	114.50	50.00	Targets of 2007-08 achieved in 2008-09. The targets were sanctioned in two phases of 1524 nos. each and the target sanctioned in 2 <sup>nd</sup> phase could not be achieved due to non-finalization of rate contract by the competent PC of JAKEDA
3	2008-09	1828	--	60.00	--	Sanction/release received at the fag end of current financial year vide G.O No.13-ST of 2009 dated 25.02.2009 and PD/BADP/Annual Plan/2008-09 dated 2.3.2009.

**b) Development of Model Border Hamlets under BADP**

A proposal was submitted to the Planning & Development Deptt through the Administrative Deptt with regard to the scheme for the Development of Model Border Hamlets one each in Jammu and Kashmir regions of the state. Vide Govt Order No.13-ST of 2009 dated 25.02.2009 read with Planning & Dev. Deptt's No.PD/BADP/Annual Plan/2008-09 dated 2.3.2009 (*Annexure M*), the Planning & Dev. Deptt. has approved the said scheme of JAKEDA at an estimated cost of Rs.40.00 lakhs during the financial year 2008-09. The said identified Model Border Hamlets are expected to be developed during the current financial year.

**4.3 Solar Photovoltaic Programme (SPV) of MNRE, GOI**

**4.3.1 Solar Home Lighting Systems (HLSs)**

S. No.	Year	Physical target		Financial target		Remarks
		Tgt. (Nos.)	Ach. (Nos.)	Tgt. (Rs. in lakhs)	Ach. (Rs. in lakhs)	
1	2006-07	2000	1063	158.40	158.40	Achieved during 2007-08
2	2007-08	2500	1550	230.97	230.97	Achieved during 2008-09

**4.3.2 Solar Street Lights (SSLs)**

S. No.	Year	Physical target		Financial target		Remarks
		Tgt. (Nos.)	Ach. (Nos.)	Tgt. (Rs. in lakhs)	Ach. (Rs. in lakhs)	
1	2006-07	100	40	11.17	11.17	Achieved during 2007-08
2	2007-08	100	26	7.26	7.26	Achieved during 2008-09
3	2008-09	300	--	50.89	50.89	The targets could not be achieved due to non-finalization of rate contract by the competent PC of JAKEDA

**4.3.3 Solar Power Plants (SPPs)**

Based on the proposals submitted by JAKEDA to the MNRE, GoI, the Ministry has vide its No.32/1/2007-08/PVSE dated 4.7.2008 and No.32/1/2008-09/PVSE dated 10.10.2008 (*Annexure N*) has sanctioned 13 solar power plants for various health centres

of the state. The details of the sanctioned SPPs are as under :

(Rs. in lakhs)

S. No	Site	Capacity (kW)	Estimated cost				CFA sanctioned	CFA released
			Ministry's share	State's share	Health Centre's share	Total		
1	District Hospital, Kathua, District Kathua	9.75	21.94	2.44	-	24.38	21.94	10.97
2	Sub District Hospital, Hiranagar, District Kathua	9.75	21.94	--	2.44	24.38	21.94	10.97
3	District Hospital, Samba, District Samba	9.75	21.94	--	2.44	24.38	21.94	10.97
4	Sub District Hospital, R.S.Pura, District Jammu	9.75	21.94	--	2.44	24.38	21.94	10.97
5	Sub District Hospital, Nowshera, District Rajouri	9.75	21.94	--	2.44	24.38	21.94	10.97
6	District Hospital, Poonch, District Poonch	9.75	21.94	--	2.44	24.38	21.94	10.97
7	Sub District Hospital, Qazigund, District Anantnag	7.50	16.87	--	1.875	18.75	16.875	8.4375
8	District Hospital, Pulwama, District Pulwama	9.90	22.27	--	2.475	24.75	22.275	11.1375
9	Sub District Hospital, Tangmarg, District Baramulla	7.50	16.87	--	1.875	18.75	16.875	8.4375
10	District Hospital Baramulla, District Baramulla	25.5	68.85	7.65	--	76.50	68.85	34.425
11	Sub District Hospital, Gurez, District Bandipore	5.00	11.25	--	1.25	12.50	11.25	5.625
12	Sub District Hospital Sogam, District Kupwara	5.00	11.25	--	1.25	12.50	11.25	5.625
13	Sub District Hospital, Tangdar, District Kupwara	5.00	11.25	1.25	--	12.50	11.25	5.625
	<b>Total</b>	<b>123.90</b>	<b>290.26</b>	<b>11.34</b>	<b>20.91</b>	<b>322.53</b>	<b>290.26</b>	<b>145.13</b>

The process for the procurement of the equipment of the said sanctioned SPPs has been initiated and it is expected that the said SPPs shall be installed and commissioned in the identified health centres of the state by end of Sept. 09, the stipulated timeline for the completion of the project.

#### **4.4 Remote Village Electrification (RVE) Programme**

##### ***4.4.1 RVE programme 2003-04 for providing basic lighting facility to the 50 un-electrified census villages of Kupwara and Doda districts.***

The MNRE, GoI vide its No.11/44/2003-04/RVE-SPV(J&K) dated 31.3.2004 had sanctioned a target of 8297 (3821 for Doda and 4476 for Kupwara) solar home lights for electrification of 50 un-electrified census villages (26 for Doda and 24 for Kupwara) to JAKEDA under its RVE programme 2003-04. The implementation of the project got

delayed due to a number of reasons both at the Govt of India level (*policy related*) and JAKEDA level (*non-finalization of rate contract*) until April, 2005. Therefore against the target of 8297 solar HLSs only a target of 3806 could be achieved upto 31<sup>st</sup> March, 2007.

During the year 2007-08, the Agency took up the matter with the MNRE, GOI with regard to (a) *granting extension in the period of completion of the project and (b) release of Central Financial Assistance in favour of JAKEDA for completion of the project*. The Ministry acceded to the request of the Agency and also released its central share in full.

Based on the MNRE financial assistance and extensions granted, the Agency has successfully completed the project and submitted Utilization Certificates, Statement of Expenditure and Project Completion Report to the MNRE, GoI.

The physical & financial details of the project are as under :

S. No	Year	Physical target		Financial target		Remarks
		Tgt. (Nos.)	Ach. (Nos.)	Tgt. (Rs. in lakhs)	Ach. (Rs. in lakhs)	
1	2005-06	8297	3806	517.62	517.62	Achieved during 2006-07. Shortfall in achievement due to shortage of funds
2	2006-07	*4491	4491	669.22	669.22	Achieved during 2007-08
<b>Total</b>		<b>8297</b>	<b>8297</b>	<b>1186.84</b>	<b>1186.84</b>	

\* consists of spilled over target of 2005-06

#### 4.4.2 RVE programme 2007-08 for providing basic lighting facility to the 27 un-electrified census villages of tehsil Gurez district Bandipora.

The Agency had submitted a proposal (*for extension of basic lighting facility to 27 un-electrified census villages of Tehsil Gurez district Bandipora*) to the Ministry for accord of sanction and release of Central Financial Assistance (CFA) under its RVE programme 2007-08. The project envisaged provision of 3900 solar HLSs to the inhabitants of Gurez at an estimated cost of Rs.581.14 lakhs out of which the central share and the state share were pegged at Rs.487.50 lakhs and Rs.64.33 lakhs respectively.

The Ministry approved the proposal of JAKEDA vide its No.1/11/1/2007-08/RVE dated 26.02.2008 (*Annexure O*) and accorded sanction to the implementation of the project by the Agency and also released an amount of Rs. 3,16,57,000/- as 70% of the central share. The project is to be completed within a period of 18 months (viz August, 2009) from the date of the issue of sanction.

Against a quantity of 3900 SHSs, a quantity of 2900 SHSs have been procured through the DGS&D, GoI by utilizing the entire CFA released and an amount of Rs.113.14 lakhs from the untied funds of the Agency on reimbursement basis with the approval of the competent authority. The physical and financial details of the project as under :

Year	Physical target		Financial target		Remarks
	Tgt. (Nos.)	Ach. (Nos.)	Tgt. (Rs. in lakhs)	Ach. (Rs. in lakhs)	
2007-08	3900	2900	432.14	432.14	Achieved during 2008-09. Reimbursement of an amount of Rs.113.14 lakhs spent from the untied funds of JAKEDA, pending release of the 2 <sup>nd</sup> installment of the CFA

Due to early snowfall in Gurez (early Nov. 08) during the winter that has gone by and the consequent closure of Bandipora – Gurez road, the material had to be stored at the district headquarters Bandipora with the consent of DDC, Bandipora. The said material shall be transported to the identified villages of Gurez tehsil for its further installation & commissioning as and when the road opens.

#### **4.4.3 RVE programme 2008-09 for providing basic lighting facility to the 68 un-electrified villages of the state.**

During the financial year 2008-09, JAKEDA submitted a proposal vide its No.ST/EDA/RVE/38/2008/318-22 dated 20.02.2009 (*Annexure P*) to the MNRE, GoI for extension of basic lighting facility to 68 un-electrified villages of J&K under its RVE programme 2008-09.

The salient features of the proposed project are as under :

I.	<u>Mode/Technology Option</u>	:	Solar Home Lighting Systems (HLSs), Model II of MNRE, GoI configuration
	➤ No. of un-electrified villages proposed to be covered under the project	:	68
	➤ No. of Solar Home Lighting Systems proposed	:	12376 nos.
II.	<u>Estimated upfront cost of the Project</u>		
	➤ Total cost	:	<b>Rs.1819.27 lakhs</b>
	➤ MNRE ( <i>Ministry of New &amp; Renewable Energy</i> ) CFA ( <i>Central Financial Assistance</i> )	:	Rs.1392.30 lakhs
	➤ State share	:	Rs.334.15 lakhs
	➤ Beneficiaries share	:	Rs. 92.82 lakhs
III.	<u>Project Completion Period</u>	:	Six (06) working months

**Vide MNRE, GoI's No.1/11/1/2008-09/RVE dated 28.02.2009 (*Annexure Q*), the Ministry has accorded sanction in favour of JAKEDA to the implementation of the project at a CFA of Rs.1426.30 lakhs. The Ministry has also released the first installment of its CFA to the tune of Rs.998.41 lakhs (*70% of the committed CFA*). The project is to be completed by December, 2009.**

#### **4.5 Construction of Office Complex of JAKEDA**

##### ***4.5.1 Srinagar***

JAKEDA has been allotted a plot of land measuring 2 kanals 06 marlas by Srinagar Development Authority (SDA) at Bemina, Srinagar vide Govt Order Nos.208-HUD of 2006 & 100-HUD of 2007 dated 28.8.06 and 22.3.3007 respectively for the construction of its office complex.

The said proposed office complex is also to house the sister organizations of JAKEDA viz the IREP and S&T Council. The necessary lease deed and registration of the allotted land has been executed with the SDA and it is proposed to construct an office complex for all the three wings of the S&T Deptt. by way of employing solar passive architectural techniques and principles besides making provision for installation of other

active energy conserving devices like *solar air heaters, solar water heating systems, Building Integrated Photovoltaic systems, trombe walls, air ducts, solar glazed spaces, green houses etc.* in the construction of the proposed building.

The MNRE, GoI provides financial assistance for preparation of Detailed Project Report and construction of the building (*to the extent of 20% of the estimated cost*) incorporating the design and philosophy of solar architecture. Accordingly a proposal was submitted to the MNRE, GOI seeking financial assistance for the preparation of DPR for the proposed office complex of JAKEDA which would subsequently enable the Agency to claim 20% of the cost of the building from the central Ministry. The MNRE, GOI vide No. 37/1/2005-UICA(SE) dated 15.11.2007 (***Annexure R***) has sanctioned preparation of a DPR for the proposed office complex and also agreed to provide CFA to a maximum of Rs.2.00 lakhs on reimbursement basis.

The Agency had also invited, "*Request For Proposals*" from reputed experts/architects/planners for the preparation of DPR for the proposed office complex and vide Govt. Order No. 43-ST of 2007 dated 22.10.2007 (***Annexure S***) a committee had been constituted for evaluation of the bids so invited. The said committee however decided that the office of the Chief Architects Organization, J&K shall prepare the DPR of the proposed office complex of the Agency for which an Architect of the office of CAO accompanied by an officer of JAKEDA visited the office complexes of HIMURJA (*Himachal Pradesh Energy Dev. Agency*), Himachal Pradesh, Punjab Energy Dev. Agency (PEDA), Punjab and Haryana Energy Dev. Agency (HAREDA), Haryana where the respective State Nodal Agencies of Himachal Pradesh, Punjab and Haryana have reportedly constructed their respective office complexes with MNRE, GOI financial assistance using Solar Passive Architecture techniques. Based on the study tour, the office of the Chief Architect's Organization has prepared the drawings for the proposed office complex of JAKEDA. The drawings for the preparation of the DPR are under the consideration of the Science & Technology Deptt.

#### **4.5.2 Jammu**

In respect of Jammu the Agency has been allotted 14 marlas of land by the J&K Wakf Council vide its (*Wakf Council's letter No.WC/02/383/324-25 dated 27.01.2009*) (***Annexure T***) ) at a premium of Rs.40.00 lakhs. The issue with regard to the purchase of land from the Wakf Council and payment of premium thereof stands approved by the

Executive Committee of JAKEDA in its 13<sup>th</sup> meeting held on 22.10.2008. The Agency has an availability of Rs.40.00 lakhs for the purchase of the said land and the land is proposed to be utilized for the construction of the office building of JAKEDA in Jammu

## **4.6 Wind Energy**

### **4.6.1 Wind Resource Assessment (WRA)**

The MNRE, GoI under the Wind Resource Assessment (WRA) programme had during the financial year 2006-07 sanctioned two (02) sites for study of wind regime in the state. Therefore in the year 2007-08, two potential windy sites were identified at village Ijara, Uri district Baramulla Kashmir and village Bidda, district Reasi, Jammu under the project. At these sites 50m tall wind masts have been got installed through the experts of Centre for Wind Energy Technology (C-WET), Chennai to facilitate recording of wind data. The data recording is going on for the last five months and C-WET analyses & monitors the recorded data on monthly basis.

Also the C-WET & MNRE vide its No.C-WET/WRA/035/2007-08 dated 19.02.2009 (*Annexure U*) have sanctioned six more wind monitoring stations under the Ministry's WRA programme 2008-09. The wind monitoring stations are to be installed by JAKEDA at an estimated cost of Rs.52.90 lakhs out of which the CWET with the financial support of MNRE, GoI has accorded sanction to a CFA of Rs.42.32 lakhs. The CWET/MNRE has also released an amount of Rs.9.00 lakhs under the said project in favour of JAKEDA.

The Agency had also initiated a proposal with regard to exploration of wind potential in the state through private sector under the WRA programme of the MNRE, GoI. The Agency had received offer from M/s ENERCON LTD., Mumbai for carrying out wind resource assessment at strategic locations / potential windy sites of the state. In this regard, the Agency had to sign MOU with M/s ENERCON, however due to the law and order problem in the state that erupted during the summer of 2008, the said private firm initially dilly dallied and eventually expressed regrets.

If the WRA study reveals encouraging trends in the wind profiles of the areas being experimented, the sites could be developed for wind power generation.

#### 4.6.2 Wind Hybrid Systems

The MNRE, GoI vide its No.23/1/2008-SWES dated 19.12.2008 (*Annexure V*) has sanctioned five wind hybrid systems with an aggregate capacity of 46 kW for installation in the following health centres of the state. The financial details for the sanctioned sites are as indicated against each :

S. No.	Site	Capacity (kW)	Ex-works cost	Central Subsidy criteria	Recommended CFA	Feasibility report charge	Total CFA agreed
1	PHC, Narbal	7 kW (4.2 W + 2.8 SPV)	21,10,000/-	75%	14,00,000/-	10,000/-	14,10,000/-
2	SDH, Ganderbal	8.8 kW (6.6 W+2.2 SPV)	21,27,000/-	75%	15,95,246/-	10,000/-	16,05,246/-
3	SDH, Akhnoor	11.8 kW (8.4 W + 3.4 SPV)	26,75,000/-	75%	20,00,000/-	10,000/-	20,10,000/-
4	SDH, Sunderbani	8.8 kW (6.6 W + 2.2 SPV)	21,27,000/-	75%	15,95,246/-	10,000/-	16,05,246/-
5	SDH, Banihal	10 kW (6.6 W + 3.4 SPV)	25,15,000/-	75%	18,86,250/-	10,000/-	18,96,250/-
		<b>46.40 kW</b>			<b>84,76,742/-</b>	<b>50,000/-</b>	<b>85,26,742/-</b>

The project is to be completed during the financial year 2009-10.

#### 4.7 Watermills and Micro Hydel Projects

The MNRE, GoI has authorized JAKEDA to implement the watermill scheme in the state. Targets of 35, 10, 23 nos of watermills sanctioned by MNRE in favour of JAKEDA, National Institute of Training and Consultancy (NITCO)-NGO, and J&K State Power Dev. Corporation which according to MNRE have not been implemented by the said organizations till date for different reasons, are proposed to be henceforth implemented by JAKEDA with the CFA provided by MNRE, GoI.

The Agency has identified 35 watermill sites in district Reasi on pilot basis and invited bids for their upgradation/development.. Similarly the 10 watermill sites identified by National Institute of Training and Consultancy (NITCO)-NGO have been taken in hand and supply order for procurement of the equipment for the identified watermills has been issued.

The MNRE,GoI / Power Dev. Corporation have also been requested to transfer to JAKEDA the MNRE, GoI sanction with regard to upgradation/development of 23 watermill sites, identified by the PDC.

The Agency has also identified two (02) Micro Hydel Project sites for development in Kangan area of district Ganderbal, where two MHPs with the following details are proposed to be set up :

(Rs. in lakhs)

S.No.	Name of the scheme	Proposed installed capacity (kW)	Cost estimates		
			Civil costs	E&M costs	Total costs
1	Micro Hydel Scheme, Sarbal	10 kW	5.50	2.50	8.00
2	Micro Hydel Scheme, Nilgrath	15 kW	7.00	4.00	11.00
<b>Total</b>		<b>25 kW</b>	<b>12.50</b>	<b>6.50</b>	<b>19.00</b>

The proposal for development of the two MHPs stands submitted to the MNRE, GOI for accord of sanction and release of admissible CFA.

In addition to the above, under the Prime Ministers Reconstruction Plan (PMRP), 1000 MHPs were to be set up in the state by the Army Authorities. The target comprised three (03) components viz MNRE (435), BADP (265) and Op. Sadhbhavana (300). The said MHPs have reportedly been set up by various Army Formations in the state and the State Govt has nominated JAKEDA as the Nodal Agency for ensuring that the inspection of the functional MHPs is carried out by the designated Block Level Committees constituted by the Govt. for the purpose so as to facilitate the handing over of the functional and inspected MHPs to the Village Level Committees for their (MHPs) operation and maintenance.

## **4.8 Energy Parks**

### **4.8.1 State Level Energy Park (SLEP)**

The Ministry of New & Renewable Energy under its Special Area Development Programme provides Central Financial Assistance to the extent of Rs.1.00 crore to the State Nodal Agencies (*Renewable Energy Development Agencies*) for setting up of State Level Energy Park. The project is aimed at generating awareness amongst the masses in general and the student community in particular about use and promotion of renewable energy besides providing educational cum recreational facility for the general public.

In terms of the guidelines of the scheme, the State Govt./Nodal Agencies have to provide land measuring 2.5-3 acres for the energy park besides meeting the cost of

infrastructural development under the project such as civil works, annual maintenance contract of energy systems and devices installed in the park, for the period of ten years.

JAKEDA had taken up the matter regarding allotment of land (*without lease rights*) with the Floriculture Department. Vide No.CMS/Flori-68/2007 dated 23.06.2008 (*Annexure W*) of the Floriculture Secretariat, the Floriculture Deptt. has allotted 2 acres of its land at Kunzer, Tangmarg, district Baramulla to JAKEDA for setting up of the SLEP.

Consequently JAKEDA has submitted a DPR for the setting up of SLEP to the MNRE, GoI for accord of sanction and release of CFA. The sanction in this regard is awaited.

#### **4.8.2 District Level Energy Parks (DLEPs)**

The MNRE, GoI vide sanctions (*08 nos.*) dated 07.08.2007 & 04.10.2007 (*Annexure X*) conveyed sanction for setting up of eight District Level Energy Parks one each at Govt. Degree College, Anantnag, Govt. Degree College, Handwara, St. Joseph's School, Baramulla, Govt. Degree College, Bhaderwah, Govt Degree College, Kathua, Shri Mata Vaishno Devi University, Kakrial, Katra, Govt. Degree College, Kishtwar & College of Physical Education, Ganderbal under Special Area Development Programme (SADP) with the following details :-

<b>S.No.</b>	<b>Name of the Institution</b>	<b>Total estimated cost (Rs.)</b>	<b>CFA of Ministry (Rs.)</b>	<b>Institutions share (Rs.)</b>
1	Govt. Degree College, Handwara	668100	501000	167100
2	Govt. Degree College (Boys), Anantnag	726000	544500	181500
3	St. Joseph's School, Baramulla	657900	493400	164500
4	Govt. Degree College, Bhaderwah	668100	501000	167100
5	Govt. Degree College, Kathua	726000	544500	181500
6	Shri Mata Vaishno Devi University, Katra	733100	549800	183300
7	Govt Degree College, Kishtwar	573400	430000	143400
8	College of Physical Education, Ganderbal	658100	493500	164600
	<b>TOTAL</b>	<b>5410700</b>	<b>4057700</b>	<b>1353000</b>

The project envisages installation of various types of renewable energy devices/systems in the proposed energy parks and the Ministry provides 75% of the cost of project upto a maximum estimated cost of Rs.10.00 lakhs per park to the state nodal agencies for setting up of district energy park.

50% of the central assistance in respect of the above sanctioned parks stands released by the Ministry in favour of JAKEDA for implementation of the project.

The beneficiary institutions have been requested to provide the balance 25% as the Institute's share for implementation of the project and the Agency has invited tenders for procurement of the equipment for the sanctioned parks. The said parks are likely to be set up during 2008-09/2009-10

#### **4.9 Information & Publicity Awareness**

##### **4.9.1 *Rajiv Gandhi Akshay Urja Diwas - 2007 & 2008***

From the year 2004, MNRE has decided to observe 20<sup>th</sup> August (*the birthday of late Prime Minister of India Sh. Rajiv Gandhi*) as Rajiv Gandhi Akshay Urja Diwas.

During the year 2007 & 2008, the MNRE, GoI sanctioned an amount of Rs.5.00 lakhs each to JAKEDA for organizing various activities for creating awareness among the masses in general and student community in particular about renewable energy and its benefits. The activities include painting, essay writing competition, symposium, cycle race water sports, school run, exhibition on renewable energy devices etc. all involving student community of the state.

Similarly for the districts the Ministry had sanctioned an amount of Rs.1.50 lakhs/district for organizing similar activities at the district level.

JAKEDA organized a host of activities at both the state capitals (Srinagar & Jammu) in connection with RGAUD 2007 & 2008. Similarly in respect of districts the funds i.e. Rs.1.00 lakh/district were released by JAKEDA in favour of respective District Dev. Commissioners for organizing similar activities at the district level.

#### **4.9.2 Seminar on potential of renewable energy in the state of J&K**

JAKEDA organized a one day seminar on, “*Potential of Renewable Energy in J&K and How to go forward*” on 29.11.2007 at the Indian Institute of Integrative Medicine (IIIM), Jammu under the RGAUD. The seminar among others was attended by Sh. Ashok Jaitley (*former Chief Secretary, J&K*), Distinguished Fellow, The Energy and Resources Institute (TERI) who was the key speaker on the occasion. The deliberations and recommendations of the seminar (***Annexure Y***) have been submitted to the Govt for appropriate follow up action and the Agency has already initiated action on some of the recommendations of the said seminar.

#### **4.10 Akshay Urja Shops**

JAKEDA had submitted proposals to the MNRE, GoI for setting up of district level sale, service and repairing centres for renewable energy products which are known by the name of Akshay Urja Shops in the Ministry’s (MNRE, GoI) parlance. The Ministry provides central financial assistance for setting up of Akshay Urja Shops to facilitate decentralized sale and service network of renewable energy products.

JAKEDA had invited applications through print media for setting up of Akshay Urja Shops and the applications received have been got evaluated by a committee of officers of the Agency for selection of the most desirable sites/premises/shops. The selected applications 10 in number (*one per district*) were forwarded to the Ministry. Vide MNRE, GoI No.32/2/2008-UICA(SE) dated 6.1.2009 (***Annexure Z***), the MNRE, GoI has accorded sanction to the setting up of 10 shops in the state. Necessary follow up action to put the shops in place has accordingly been initiated.

#### **4.11 Urban & Industrial Commercial Applications (UICA) Programme of MNRE, GOI.**

The Agency had submitted a proposal to the MNRE, GOI with regard to Building Integrated Photovoltaics (BIPV), Solar Power Packs and Solar Street Lights under its UICA programme. The Ministry has vide its No.37/2/2007-UICA(SE) dated 5.12.2007 (***Annexure Z-1***) sanctioned the following devices to JAKEDA with the financial

implications as indicated against each equipment/device :

S.No.	System/Devices	Total (No.)	Total cost (Rs.)	MNRE share
1	Solar street light (74W module 12V, 75AH Lead Acid Battery & 11W CFL) to be installed at Gulmarg	20	5,51,000	2,00,000 @Rs.10,000
2	*BIPV system (5 kW capacity each) i) JAKEDA Office, Srinagar : 1 ii) Tourist Hut, Gulmarg : 1	2	30,00,000	20,00,000 @2.00 lakh per kW
3	Solar Powerpack (1 kW capacity) Mehmooda Shaheen Medical Trust/ Society, Srinagar : 1	1	3,00,000	1,00,000 @Rs.1.00 lakh per kW
<b>Total MNRE support</b>			<b>38,51,000</b>	<b>23,00,00</b>

\*BIPV (Building Integrated Photovoltaic)

The Agency has invited tenders for implementing the said programme and the programme is expected to be implemented during 2008-09/2009-10.

#### **4.12 Interest subsidy scheme on Solar Water Heating Systems of the MNRE, GoI**

In order to promote use of Solar Water Heating Systems (SWHSs) in the domestic, commercial and industrial sectors, the Ministry had introduced an interest subsidy scheme in the year 2004-05. The scheme was however not implemented in the state of J&K and during the financial year 2008-09, the issue was taken up with the MNRE, GoI. As envisaged in the guidelines of the scheme, the Indian Renewable Energy Development Agency (IREDA) had to empanel a bank as its Financial Institution (FI) for channelizing the Ministry's interest through the said FI. Therefore JAKEDA facilitated signing of MoU between the managements of IREDA and JK Bank for the implementation of the interest subsidy scheme of MNRE in the state of J&K (*Annexure Z-2*).

The scheme is to be formally launched in April, 2009 for which IREDA has vide its No.8704 dated 27.01.2009 (*Annexure Z-3*) released an amount of Rs. 0.35 lakhs in favour of JAKEDA for organizing a business cum interactive meet for various stake holders viz bankers, SWHSs manufacturers, prospective users in domestic, commercial and industrial sectors etc. In the same context, the State Electricity Regulatory Commission, has issued a circular envisaging a rebate of Rs.40 on the monthly electricity bill in respect of the consumers using SWHSs.

The scheme is expected to generate an overwhelming response from the consumers of all shades in view of the installation of electronic meters by the PDD in the state.

## **5.0 AWARDS**

Based on the Agency's performance in the solar energy sector, JAKEDA bagged the runners up award for presenting a case study on solar energy at RENEWTECH India 2009 State Awards for Renewable Energy (*Annexure Z-4*)

RENEWTECH a non-profit organization working in the field of renewable energy funded by the MNRE, GoI organizes annual event every year for the states to showcase the goodwork done in the renewable energy sector. JAKEDA bagged the honours for presenting a case study on the transformation that the installation of solar lights had brought about in 24 remote un-electrified villages of Kupwara and 26 un-electrified villages of Kishtwar districts under the RVE programme (2003-04) of the MNRE, GoI, which was implemented during the financial year 2007-08.

On behalf of the state, Sh. Shafat Sultan, CEO JAKEDA received the award on 3.3.2009 during the function organized by the RENEWTECH at Pune, Maharashtra.

## **5.0 MISCELLANEOUS**

The 10<sup>th</sup> EC meeting of JAKEDA was held on 12.06.2007 after a gap of nearly 3-1/2 years. Therefore the activities and decisions taken by the Agency in the interim needed to be noted/confirmed by the EC in terms of the MoA of the Agency.

The activities/decisions therefore noted /confirmed by the EC in its meetings dated 12.6.07 and 29.8.2007 are as under :-

1. Action taken regarding implementation of RVE project of MNRE, GoI.
2. Action taken by the agency with regard to procurement of solar lanterns under BADP 2005-06 and 2006-07
3. Action taken with regard to installation of water and power mills.
4. Participation of JAKEDA in various New & Renewable Sources of Energy (NRSE) exhibitions.
5. Purchase of office automation equipments

6. Repairs carried out on office vehicle No.JK01-6055
7. SPV lighting systems installed at various religious/social places
8. Purchase of batteries
9. Extension of lighting facility to the newly constructed hospital building at Uri.
10. Expenditure incurred on observing Rajiv Gandhi Akshay Urja Diwas during the financial year 2004-05, 2005-06 and 2006-07
11. MoU signed between JAKEDA and PDD (on behalf of J&K Govt) and MNRE, GoI regarding electrification of un-electrified villages of the state through non-conventional energy sources.
12. Action taken with regard to payment of VAT and service charges out of the beneficiaries share in respect of the solar lantern BADP 2005-06.