

Terms of Reference For Evaluation of Ganga Kalyana scheme from 2008-09 to 2012-13 implemented by Karnataka Maharishi Valmiki Scheduled Tribes Development Corporation Ltd.

1. Title of the study:

The title of the study is “*Evaluation of the Ganga Kalyana Scheme from 2008-09 to 2012-13 implemented by Karnataka Maharishi Valmiki Scheduled Tribes Development Corporation Ltd.*”

2. Background Information:

The population of schedule tribes in Karnataka is 6.95% of the total population of the State. Several schemes are implemented in Karnataka for Economic upliftment of schedule castes & schedule tribes from the pooled funds of social welfare department. The scheme was earlier implemented by Karnataka SC/STs Development Corporation Ltd, till 2006. As per Government of Karnataka order no. SWD 65 SDC 2004, dated: 27.05.2006 a separate Corporation viz Karnataka Scheduled Tribes Development Corporation Ltd, was established for implementing schemes for development of scheduled Tribes under companies Act 1956. Further, as per Government of Karnataka order no SWD 36 SDC 2013, dated: 08.03.2013, the Corporation was renamed as Karnataka Maharishi Valmiki Scheduled Tribes Development Corporation Ltd. The scheme is for providing irrigation facilities for the land belonging to small and marginal farmers of Scheduled Tribes. Borewells are drilled in the lands of individual beneficiary. And in places where surface water is available perennially, permission of Water Resources department is taken and lift irrigation facility is provided to farmers. This scheme has been in force since 1996.

(a) Individual Irrigation Bore well Scheme

The unit cost for individual beneficiaries during 2008-09 and 2009-10 was Rs. 1.00 lakh out of which Rs. 86,000/- was the subsidy portion and Rs. 14,000/- was loan. This unit cost was enhanced from 2010-11 to 2012-13 from Rs. 1.00 lakh to Rs. 1.50 lakh. Out of this subsidy being Rs. 1.00 lakh and Rs. 50,000/- was loan from NSTFC New Delhi at the rate of 6% interest to be payable half yearly for 6 years. The unit cost of the scheme is further enhanced to Rs.2.00 lakhs from

23.05.2013. The drilling cost, cost of pumpset and deposit of the ESCOMS and costs of other supplementaries are met out of the total unit cost.

(C) Lift Irrigation Scheme

The unit cost of community/lift irrigation scheme is as follows.

- i. For a unit of two bore wells with minimum of 8 acres of land Rs. 2.53 lakhs.
 - ii. For a unit of three bore wells for 15 acres of land Rs. 3.59 lakhs.
- These unit cost have also been revised to Rs. 4.00 & Rs. 6.00 lakhs for units one and two above respectively.

3. Objective of the Scheme:

The main objective of the scheme is to provide irrigation facilities to small and marginal scheduled tribe farmers who have only dry land without any irrigation facility. The scheme enables farmers to grow more than one crop in a year and also to grow commercial crops using irrigation facilities, rather than only rain fed crops improving their social and economic condition is improved.

4. Eligibility Criteria:

The eligibility criteria an individual must meet to avail benefit of this scheme is as follows-

- a. The beneficiary should be a scheduled tribe and resident of Karnataka for the past 15 years.
- b. He/she should be in the age group of 18 to 60 years.
- c. His /her annual income should not exceed Rs. 81,000 in rural areas and Rs. 104000 in urban areas.
- d. No member of the family should be servant in Government/Semi Government.
- e. He/she should be a small/marginal farmer.
- f. He/she or any other member of the family has not availed any benefit from the corporation.

5. Implementation Process:

The beneficiaries are selected by a Committee headed by Hon'ble legislators of each constituency. While selecting the beneficiaries 33% is reserved for women, 3% for physically handicapped and preference is given for victims of atrocities. The list of beneficiaries is sent to Head Office of the Corporation through respective District Managers of the Corporation. These proposals are verified in the head office and sanction is accorded. Once the sanctions are made following procedure is adopted.

- (a) Work orders are issued to drill borewells in the land of beneficiary farmers/communities by a drilling agency selected by tender process by the Corporation.
- (b) If the minimum yield of water per borewell per hour is 1000 gallons, these are treated as successful borewells. The total cost of drilling is paid to the agency after drilling is completed. If the yield of water is less than 1000 gallons per hour the well is treated as failed and no charges of drilling are paid to the agency.
- (c) For successful borewells, proposals for energisation are registered and deposits paid by the Corporation to respective ESCOMS on behalf of the beneficiaries.
- (d) The pumpsets and other equipments are supplied, energisation of pumpset is done and irrigation facility is provided.

6. Review of Work:

The work is reviewed in monthly KDP meetings at Taluk level by the Executive Officer of Taluk Panchayath and at district level by Chief Executive Officer of Zilla Panchayath. This is also reviewed at State level by the Managing Director of Karnataka Maharshi Valmiki Scheduled Tribes Development Corporation Ltd, Government of Karnataka, in the MPIC meeting every month.

The details of borewells drilled and Lift Irrigation Schemes implemented from 2008-09 to 2012-13 is as follows:

Sl.No	Year	Individual Bore wells drilled	Bore wells drilled under Lift	Budget allocation Rs. Crores	Expenditure incurred Rs. Crores
1	2008-09	4001	356	55.28	79.56
2	2009-10	2876	313	43.75	41.55
3	2010-11	4694	426	58.00	51.03
4	2011-12	3585	1033	65.00	73.59
5	2012-13	3756	0.00	70.00	72.96

The district wise details of beneficiaries of individual and lift irrigation and pump sets energisation is enclosed as *Annexure-1,2 & 3* respectively.

7. Scope & Purpose of the Study:

This scheme is implemented in all the 193 constituencies of all the 30 districts of the State. The purpose of the study is to know whether the objectives set under the scheme or achieved or not and to-

- Assess the additional income generated by the beneficiaries after getting the benefit of Ganga Kalyana Scheme.
- Assess the social and economic benefits that farmers received by the scheme.
- Know whether the children of the beneficiaries get better education as a result of economic benefit.
- Has the convergence of other departments like Sericulture, Horticulture and Animal Husbandry and Watershed development etc. taken place in enhancing the benefits?
- Whether the process of selection of beneficiaries is transparent sanction and co-ordination with ESCOMS in completing energisation is effective.

8. Evaluation Questions (inclusive not exhaustive):

1. What was the annual family income before implementation of the scheme (i.e.during 2007-08)and what is the present annual family income of beneficiaries? Is there any noticeable change in savings pattern access to education and health, migration pattern of the beneficiaries? If so, to what extent? Please elaborate in each case. (Since baseline data for 2007-08 is unlikely to be available, the question can be answered with perception of change expressed by the beneficiaries.)
2. What is the impact of Ganga Kalyana Scheme on agriculture such as
(a) Change in the cultivable area, crop yield, crop type and number of crops per year and change in the fodder availability for livestock? If so, give details.
3. Have the beneficiaries come across any problems in the implementation process? If so, what kind of problems they have faced such as-
 - (a) Selection of beneficiaries.
 - (b) Submission of various records for sanction.
 - (c) Selection of drilling point and drilling of borewells.
 - (d) Fixing of Irrigation Pumpsets.
 - (e) Energisation and related problems with ESCOMS.
4. What is the average time required for completing the entire process i.e. drilling and energisation after the date of issue of work order? Is it beyond or within 60 days? If it is beyond 60 days, where is the delay taking place and what are the reasons for delay?
5. Are all the borewells and accessories (pipe/pumps etc) given under this scheme are functional as of date? In not, what is the percentage of non-functional borewells and accessories? What are the reasons of non-functionality? Since how long have they remained non-functional and why are they not repaired/attended to?

6. Whether the prescribed Quality BIS standard materials such as PVC pipes, pumps and motors are provided in the scheme? If not, whether prescribing such standards is desirable? If not, Why?
7. Whether the warranty cards for pump sets have been issued to the beneficiaries? If so, what is the period of warranty? If not, why not?
8. Whether the beneficiaries are satisfied with implementation of Scheme in terms of quality and timeliness of work? If not, why?
9. Are there any possibilities to further streamline the process of selection of beneficiaries and implementation from the perspective of Block Implementing officers and beneficiaries? If yes, give details.
10. Has net area irrigated increased after drilling of bore well/lift irrigation schemes? If yes, What is the percentage of enhancement?
11. Are the beneficiaries facing any problems during implementation of the Ganga Kalyana Scheme?
12. What actions have been taken by the departments like Agriculture, Horticulture, Watershed Development, Sericulture and Animal Husbandry on convergence and adoption of micro irrigation system so that more income is generated by beneficiaries? What percentage of the beneficiaries have adopted drip/sprinkler irrigation for optimum utilization of water?
13. What factors contributed to achieving / for not achieving the intended outcomes? In case of negative factors, how can they be ameliorated?
14. The benefits of Ganga Kalyana Scheme is to be given in the proportion of the sub-castes of schedule tribes and 33% women and physically handicapped beneficiaries and victims of atrocities etc. Has this been followed while implementing the scheme? If not, why not?

15. For completion of the Ganga Kalyana Scheme, is additional amount required over and above the unit cost? What is the breakup of this additional cost?

16. The Corporation provided loans under this scheme? What is the total amount of loan provided by the Corporation? What is the percentage of recovery as against the prescribed repayment schedule? What are the reasons in case of less recovery?

17. In previous evaluation study done conducted by M/s. Nielsen India Ltd, in June 2011 there were certain findings of the study viz-

- a) Lack of Transparency/bias in selection of beneficiaries and not informing the beneficiaries the reasons for rejecting the application.
 - b) Arbitrary method followed for prioritizing the allocation.
 - c) Delay in electrification and need to co-ordinate by the corporation till the energisation is complete.
 - d) Non issue of warranty card from the agencies who supply the pump sets.
 - e) Role of elected representatives in selection process to be reviewed and biasness in selection to be minimized to ensure that the benefit reaches the real needy.
 - f) Awareness of the scheme as most of the target groups are illiterate.
- What actions have been taken by the Corporation on these? Are they sufficient?

9. Sampling and Evaluation Methodology:

Two Constituencies per district one having maximum and the other minimum number of beneficiaries for the evaluation period in the State are to be selected at random (i.e. 60 Constituencies) for evaluation.

It is proposed to evaluate the Gangakalyana scheme from 2008-09 to 2012-13. The list of beneficiaries can be got from office of the Managing Director of Karnataka Maharishi Valmiki Scheduled Tribe Development Corporation Ltd. At least 10% (actual intensity to be such that our estimations are correct within a confidence interval no worse than 10%) of the beneficiaries with proportionate

coverage of individual irrigation wells and lift irrigation may be evaluated selecting simple random/systematic random (like arranging names of beneficiaries alphabetically in a sequence and then drawing a sample) samples of beneficiaries treating beneficiaries of each year of each district as population and sampling intensity the same for each district. Thus all years and districts will be adequately and similarly represented in the sample. The beneficiaries will be interviewed and his/her works evaluated individually.

10. Deliverables time Schedule:

The Managing Director, Karnataka Maharishi Valmiki Scheduled Tribe Development Corporation Ltd, to issue necessary instructions to all the District Officers, Banks and ESCOMS concerned to provide required information and necessary support to the Consultant Evaluation Organization in completing the study intime. The available information of beneficiaries, guidelines and Government Orders issued on the scheme implementation will be made available by the MD of the Corporation to the Consultant Evaluation Organization.

Individual Interview and Focused Group Discussions should be held at Taluk, District and State levels and officers of ESCOMS to elicit their views on problems faced in implementation and to simplification in the process involved and further improvement of the Scheme so as to enhance the benefit. It is expected to complete the study in 6months time, excluding the time taken for approval. The evaluating agency is expected to adhere to the following timelines and deliverables.

They are expected to adhere to the following timelines and deliverables or be quicker than the follows.

1. Work plan submission : One month after signing the agreement.
2. Field Data Collection : Three months from date of work plan approval.
3. Draft report Submission : One month after field data collection.
4. Final Report Submission: One month from draft report submission.
5. Total duration : 6 months.

11. Qualification of Consultant:

Consultant Evaluation Organizations should have and provide details of evaluation team members having technical qualifications/capability as below-

1. One Social Scientist,
2. One Agricultural Scientist/Retired District level Agriculture Officer, and,
3. One at least graduate civil/ electrical or mechanical Engineer.

Consultant Evaluation Organizations not having these number and kind of personnel will not be considered as competent for evaluation.

12. Qualities Expected from the Evaluation Report:

The following are the points, only inclusive and not exhaustive, which need to be mandatorily followed in the preparation of evaluation report:-

1. By the very look of the evaluation report it should be evident that the study is that of the Karnataka Evaluation Authority (KEA) which has been done by the Consultant. It should not intend to convey that the study was the initiative and work of the Consultant, merely financed by the Karnataka Evaluation Authority (KEA).
2. The Terms of Reference (ToR) of the study should from the first Appendix or Addenda of the report.
3. The results should first correspond to the ToR. In the results chapter, each question of the ToR should be answered individually. It is only after all questions framed in the ToR that is answered, that results over and above these be detailed.
4. In the matter of recommendations, the number of recommendations is no measure of the quality of evaluation. Evaluation has to be done with a purpose to be practicable to implement the recommendations. The practicable recommendations should not be lost in the population maze of general recommendations. It is desirable to make recommendations in the report as follows:-

(A) **Short Term practicable recommendations**

These may not be more than five in number. These should be such that they can be acted upon without major policy changes and expenditure, and within (say) a year or so.

(B) **Long Term practicable recommendations**

These may not be more than ten in number. These should be such that they can be implemented in the next four to five financial years, or with sizeable expenditure, or both but does not involve policy changes.

(C) **Recommendations requiring change in policy**

These are those which will need a lot of time, resources and procedure to implement.

13. Cost and Schedule of Budget release:

Output based budget release will be as follows-

- a. The **first installment** of Consultation fee amounting to 30% of the total fee shall be payable as advance to the Consultant after the approval of the inception report, but only on execution of a bank guarantee of a scheduled nationalized bank, valid for a period of at least 12 months from the date of issuance of advance.
- b. The **second installment** of Consultation fee amounting to 50% of the total fee shall be payable to the Consultant after the approval of the Draft report.
- c. The **third and final installment** of Consultation fee amounting to 20% of the total fee shall be payable to the Consultant after the receipt of the hard and soft copies of the final report in such format and number as prescribed in the agreement, along with all original documents containing primary and secondary data, processed data outputs, study report and soft copies of all literature used in the final report.

Taxes will be deducted from each payment, as per rates in force. In addition, the evaluating agency/consultant is expected to pay service tax at their end.

14. Selection of Consultant Agency for Evaluation:

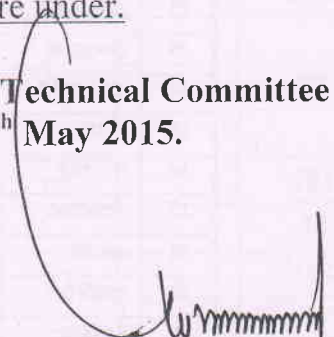
The selection of evaluation agency should be finalized as per provisions of KTPP Act and rules without compromising on the quality.

15. Contact person for further details:

Sri.K.S. Mruthyunjaya, MD, Karnataka Maharishi Valmiki Scheduled Tribe Development Corporation Ltd, Ph no.22250018, Mob: 9449029959 and Sri.Madiwalar Guttedar, AEE, Ph.no.080-22250017& 9880676691 Karnataka Maharishi Valmiki Scheduled Tribe Development Corporation Ltd, will be the contact persons for giving information and details for this study.

The entire process of evaluation shall be subject to and conform to the letter and spirit of the contents of the Government of Karnataka Order no. PD/8/EVN (2)/2011 dated 11th July 2011 and orders made there under.

The Terms of Reference were approved by the Technical Committee of KEA in its 18th Meeting held on 04th May 2015.


Chief Evaluation Officer 12/05/15
Karnataka Evaluation Authority

(B.K. Dikshit)
Chief Evaluation Officer
KARNATAKA EVALUATION AUTHORITY

Annexure-1

Karnataka Maharishi Valmiki STs Development Corporation							
ಕ್ರ.ಸಂ.	ಜಿಲ್ಲೆ	Number of individual irrigation bore wells drilled from 2008-09 to 2012-13					
		2008-09	2009-10	2010-11	2011-12	2012-13	Total
1	ಬಾಗಲಕೋಟೆ	67	112	82	58	62	381
2	ಬೆಂಗಳೂರು ಗ್ರಾಮಾಂತರ	14	34	19	14	23	104
3	ರಾಮನಗರ	6	24	13	13	1	57
4	ಬೆಂಗಳೂರು ನಗರ	14	0	0	0	0	14
5	ಬೆಳಗಾವಿ	363	301	284	238	281	1467
6	ಬಳ್ಳಾರಿ	405	513	391	330	359	1998
7	ಬೀದರ್	259	302	161	190	147	1059
8	ಬಿಜಾಪುರ	35	73	23	26	12	169
9	ಚಾಮರಾಜನಗರ	89	169	114	92	125	589
10	ಚಿಕ್ಕಮಗಳೂರು	193	219	43	41	27	523
11	ಚಿತ್ರದುರ್ಗ	390	323	300	333	356	1702
12	ದಕ್ಷಿಣಕನ್ನಡ	57	59	58	70	12	256
13	ಧಾರವಾಡ	51	64	45	61	44	265
14	ದಾವಣಗೆರೆ	305	311	173	136	215	1140
15	ಗದಗ	71	106	44	19	43	283
16	ಗುಲ್ಬರ್ಗ	245	153	39	44	46	527
17	ಯಾದಗಿರಿ	0	155	127	91	108	481
18	ಹಾಸನ	54	132	33	66	123	408
19	ಹಾವೇರಿ	152	237	183	191	190	953
20	ಕೊಡಗು	20	13	11	20	5	69
21	ಕೋಲಾರ	0	194	78	154	103	529
22	ಚಿಕ್ಕಬಳ್ಳಪುರ	66	164	137	174	156	697
23	ಕೊಪ್ಪಳ	231	283	157	295	135	1101
24	ಮಂಡ್ಯ	19	13	13	3	20	68
25	ಮೈಸೂರು	202	420	291	249	304	1466
26	ರಾಯಚೂರು	332	497	374	336	470	2009
27	ಶಿವಮೊಗ್ಗ	88	104	42	69	97	400
28	ತುಮಕೂರು	208	314	223	230	247	1222
29	ಉಡುಪಿ	48	37	15	28	29	157
30	ಉತ್ತರಕನ್ನಡ	17	40	17	14	16	104
Total		4001	5366	3490	3585	3756	20198

Annexure-2

Karnataka Maharishi Valmiki STs Development Corporation Limited.

District wise list of Beneficiaries under Ganga Kalyana Lift Irrigation Scheme from 2008-09 to 2012-13

Sl. No.	Name of the District	2008-09	2009-10	2010-11	2011-12	2012-13	Total
1	Bagalkot	9	13	5	-	-	
2	Bangalore Rural	-	-	-	-	-	
3	Bangalore Urban	-	-	-	-	-	
4	Belgaum	36	29	7	25	-	97
5	Bellary	65	54	93	390	134	736
6	Bidar	30	15	7	20	-	72
7	Bijapur	-	7	-	-	-	7
8	Chamaranagar	20	-	-	-	-	20
9	Chikkaballapur	-	-	-	-	-	
10	Chikkamagalur	-	-	-	-	-	
11	Chitradurga	-	23	25	183	-	231
12	Dakshina kannada	-	-	-	-	-	
13	Davanagere	14	12	12	15	-	53
14	Dharawad	-	-	-	-	-	
15	Gadag	44	30	45	62	-	181
16	Gulbarga	9	27	-	-	-	36
17	Haveri	21	40	11	32	-	104
18	Hassan	-	-	-	-	-	
19	Kodagu	-	-	-	-	-	
20	Kolar	-	-	-	-	-	
21	Koppal	25	13	8	57	-	103
22	Karwar	-	-	-	-	-	
23	Mandya	-	-	-	-	-	
24	Mysore	-	-	-	-	-	
25	Raichur	90	50	119	372	72	703
26	Ramnagar	-	-	-	-	-	
27	Shimoga	5	-	-	-	-	5
28	Tumkur	-	-	-	-	-	
29	Udupi	-	-	-	-	-	
30	Yadgir	-	-	12	83	-	95
	Total	368	313	344	1239	206	2443

Annexure-3

Karnataka Maharishi Valmiki STs Development Corporation Limited.

District wise list of Beneficiaries under Energisation of Ganga Kalyana Scheme from 2008-09 to 2012-

13

ಕ್ರ. ಸಂ.	ಜಿಲ್ಲೆಯ ಹೆಸರು	2008-09	2009-10	2010-11	2011-12	2012-13	Total
I	ಬೆಂಗಳೂರು ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ						
1	ಬೆಂಗಳೂರು (ನ)	3	3	0	1	0	7
2	ಬೆಂಗಳೂರು (ಗ್ರಾ)	26	27	24	77	54	208
3	ರಾಮನಗರ	15	2	10	15	14	56
4	ಚಿತ್ರದುರ್ಗ	526	239	206	261	410	1642
5	ಕೋಲಾರ	10	2	93	91	169	365
6	ಚಿಕ್ಕಬಳ್ಳಾಪುರ	85	127	123	99	167	601
7	ತುಮಕೂರು	264	341	101	162	329	1197
8	ದಾವಣಗೆರೆ	576	399	162	201	273	1611
	Sub Total	1505	1140	719	907	1416	5687
II	ಚಾಮು ಡೇಬ್ಬರಿ ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ						
1	ಮೈಸೂರು	226	229	129	418	204	1206
2	ಚಾಮರಾಜನಗರ	34	45	62	30	61	232
3	ಮಡ್ಯ	18	8	13	12	36	87
4	ಹಾಸನ	75	89	86	65	141	456
5	ಕೊಡಗು	44	20	18	0	25	107
	Sub Total	397	391	308	525	467	2088

ಹುಬ್ಬಳ್ಳಿ ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ

1	ಬೆಳಗಾ	84	203	400	199	198	1084
2	ಬಿಜಾಪುರ	38	21	37	28	45	169
3	ದಾರವಾಡ	37	95	26	8	76	242
4	ಗದಗ	95	10	138	61	53	357
5	ಹಾವೇರಿ	212	3	245	117	237	814
6	ಬಾಗಲಕೋಟೆ	56	114	93	24	96	383
7	ಉತ್ತರಕನ್ನಡ	54	28	43	4	32	161
	Sub Total	576	474	982	441	737	3210
	ಮೈಸೂರು ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ						
1	ದಕ್ಷಿಣಕನ್ನಡ	53	75	53	27	78	286
2	ಚಿಕ್ಕಮಗಳೂರು	28	55	10	51	69	213
3	ಶಿವಮೊಗ್ಗ	133	44	5	240	170	592
4	ಉಡುಪಿ	79	51	20	29	69	248
	Sub Total	293	225	88	347	386	1339

18th Technical Committee Meeting 04th May 2015
KARNATAKA EVALUATION AUTHORITY

	ಗುಲ್ಬರ್ಗಾ ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕೆ ಪನಿ						
1	ಗುಲ್ಬರ್ಗಾ	67	113	27	14	74	295
2	ಸಾಧಗಿರಿ	0	0	0	141	40	181
3	ಬಳ್ಳಾರಿ	78	418	137	409	339	1381
4	ಬೀದರ್	144	2	235	312	149	842
5	ಕೊಪ್ಪಳ	50	117	205	128	207	707
6	ರಾ ಸುಬೋರು	409	196	266	351	391	1613
	Sub Total	748	846	870	1355	1200	5019
	Total	3519	3076	2967	3575	4206	17343