

CHAPTER - IV

PERFORMANCE EVALUATION

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C H A P T E R - I V

PERFORMANCE EVALUATION

4.1 INTRODUCTION :

In this chapter we have analysed overall performance of the sample lift irrigation schemes covered under study. For this purpose we have classified all the aspects related to performance under Three main heads for the sake of convenience, which are mentioned below.

1. General performance Analysis.
2. Analysis of Total Revenue Expenses.
3. Financial performance.

4.2 GENERAL PERFORMANCE ANALYSIS :

In this sub chapter general performance analysis of the sample lift irrigation schemes has been presented. For this analysis following parameters have been utilised.

- a. Increase in the membership.
- b. Increase in share capital.
- c. Increase in irrigated Area.
- d. Increase in Assets.
- e. Cropping pattern.

a. INCREASE IN MEMBERSHIP :

Increase in membership represents ability of the organization in involving more people in the task undertaken. To large extent the success of the cooperative organization depend on encouraging people to participate actively in cooperative organisation.

TABLE NO.4.1

TABLE SHOWING INCREASE IN MEMBERSHIP

Sr. No.	Name of Co-op. Irrigation scheme	Year 1983	Year 1987	Increase	Total	Annual Growth Rate
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd., Kandgaon	552	598	46	8.33	1.6%
2.	Sadoli Khalsa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalsa	441	750	309	70.06	14%
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd., Kurukali.	437	456	19	4.34	.86%
4.	Shri Kedarling -Bhairavnath Sahakari Pani Purvatha Sanstha Ltd., Bachani.	384	420	36	9.37	1.87%
5.	Kothali Sahakari Pani Purvatha Mandali Kothali.	328	492	164	50%	10%

Above Table No. 4.1 presents the increase in membership. During the period covered under study i.e. 1983-1987. The table shows the continuous growth in membership but the rate of growth is variable from one scheme to other. So for the progressive growth is registered by Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa which is 14% and ranking top amongst all which is followed by Kothali registering 10% annual growth rate. While Kurukali Sahakari Pani Purvatha Sanstha has increased the number of members but growth rate is negligible.

There is a close link between the increase in membership and increase in share capital. But unfortunately the below table No. 4.2 failed to establish this relationship. It is seen from the table No. 4.2, Sadoli Khalasa Pani Purvatha Sanstha has enrolled a large number of members as compared to the other societies. In respect of the share capital, the same society failed to increase it because the face value of share is less. On the contrary Kothali Pani Purvatha Sanstha has increased the share capital tremendously. It was only possible because more than one share can be allotted to a single member.

To extend this analysis a little further, it is found that Shri. Keddarling Bhairavanath Sahakari Pani Purvatha Sanstha Ltd. Bachani had introduced the new members during these five years.

Inspite of this the share capital remained constant. It is the result of the fact that only the shares are transferred.

TABLE NO.4.2

INCREASE IN SHARE CAPITAL

(Rs. in Thousands)

Sr. No.	Name of Cooperative Lift Irrigation Scheme	1983 (Rs.)	1987 (Rs.)	Increase (Rs.)	Total (%)	Annual Growth Rate
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon.	247.3	286.9	39.6	16	3.20%
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	100.0	116.4	16.4	16.4	3.28%
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	67.05	68.10	1.05	1.56	0.32%
4.	Shri. Kedarling Bhairavanath Sahakari Pani Purvatha Sanstha Ltd. Bachani.	61.65	61.65	Nil	Nil	Nil
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	53.40	220.35	166.95	312.6	62.5%



The below table No. 4.3 deals with the issue of quantitative expansion of irrigation in Bhogawati Sugar factory area in connection with sample cooperative lift irrigation schemes. The table presents that the development of irrigation has been through massive investments shown in table No. 4.2 . Through the development of irrigation, the main objective of the irrigation has been served which can be seen in the table No. 4.3 given below.

TABLE NO.4.3

TABLE SHOWING INCREASE IN IRRIGATED AREA

Sr. No.	Name of the cooperative irrigation schemes	1983	1987	Increase	(In Acres)	
					Total	Annual Growth Rate %
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	564	761	197	34.92	6.98%
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	516	552	36	6.97	1.40%
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	423	445	22	5.20	1.04%
4.	Shri. Kedarling Bhairavnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	451	488	37	8.20	1.64%
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	665	673	8	1.20	0.24%

Considering the above table it is found that all these five cooperative lift irrigation schemes tried there best to increase the irrigated land. But only Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon met the success in increasing the irrigated area and enabled to cover maximum dry land under water. Its annual growth rate is 6.98%. In comparision with other schemes and especially Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon, the annual growth rate of Kothali Sahakari Pani Purvatha mandali Ltd. Kothali is maintain a very poor rate that of just 0.24%.

TABLE NO.4.4

TABLE SHOWING INCREASE IN ASSETS

(Rs. in Thousand)

Sr. No.	Name of the cooperative irrigation schemes.	1983 (Rs.)	1987 (Rs.)	Increase (Rs)	Total %	Annual Growth Rate
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	1182	1467	285	24.11	4.82%
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	897	964	67	7.46	1.50%
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali.	606	809	203	33.49	6.69%
4.	Shri. Kedarling Bhairavanath Sahakari Pani Purvatha Sanstha Ltd. Bachani	809	836	27	3.33	0.66%
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	1307	1727	420	32.13	6.42%

The above table 4.4 shows additions made by all these cooperative lift irrigation schemes. For adding these assets these schemes made provisions for building fund, for introducing syphon system, for expansion, purchasing new machinery. These provision can be fulfilled from taking the amount, collected in the form of revenue and also taking an assistance from Bank in the

form of loan. The afore-said table shows that Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali and Kothali Sahakari Pani Puravatha Mandali Ltd. Kothali have succeeded in maintaining the beighest annual growth rate of 6.69% and 6.42% respectively.

It is seen from Table No. 4.5 that the sample irrigation schemes have been operating successfully in terms of increasing cash crops, like sugarcane along with paddy and other Rabbi crops which is undoubtedly the outcome of the contribution made by lift irrigation schemes.

In conclusion we can say that the sample lift irrigation schemes are successful in promoting membership, capital irrigated area cash crops assets which is a sign of following a good path leading to excellence.

4.3 ANALYSIS OF TOTAL REVENUES AND EXPENSES :

4.3.1 INTRODUCTION :

In this sub chapter analysis of revenues earned by the sample lift irrigation schemes over the years have been made. For this purpose data in respect of total revenues, surpluses, total expenses, classification of different expenses, growth rate in revenues, total cost of irrigation **per** acres etc. have been made use of. An attempt has also been made to compare their performance with one another.

Revenues of lift irrigation schemes :

In table No. 4.6 shows the revenues earned by the sample lift irrigation schemes. It is clear that the schemes have been earning steady income without much charge as earning profit is not the ultimate aim of the schemes but to bring maximum land under irrigation and make maximum utilisation of the water resources available.

TABLE NO.4.6

TABLE SHOWING TOTAL REVENUES OF SAMPLE IRRIGATION SCHEMES (1983-87)

		(Rs. in. '000')				
Sr. No.	Name of cooperative lift irrigation scheme	1983	1984	1985	1986	1987
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	310	291	317	344	425
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	276	285	283	326	347
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	217	207	205	241	301
4.	Shri. Kedarling Bhaivarnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	253	284	288	323	310
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	541	563	539	544	573

The increase income which is not much impressive, has been shown in Table No. 4.7.

TABLE NO.4.7

TABLE SHOWING INCREASE IN REVENUE

Sr. No.	Name of cooperative lift irrigation scheme	Year 1983 Rs.	Year 1987 Rs.	Year Increase Rs.	Total %	Annual Growth Rate
1.	Shri. Mahuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	310015	424538	114523	36.94	7.38%
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	276176	347494	71318	25.82	5.16%
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	217332	300953	83621	38.47	7.70%
4.	Shri. Kedarling Bhairavnath Pani Purvatha Sanstha Ltd. Bachani	253275	309647	56372	22.25	4.45%
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	540886	573338	32452	6.00	1.20%

In the above table we have analysed increase in revenue of the cooperative lift irrigation which are raised by annually. In case of all of the lift irrigation schemes the growth rates of revenues are varying from 1.20% to 7.70% which is not much impressive as earning profit is not main objective.

TABLE NO.4.8

TABLE SHOWING TOTAL EXPENSES OF SAM-LE IRRIGATION SCHEMES

(Rs. in Thousands)

Sr. No.	Name of cooperative lift irrigation scheme	1983	1984	1985	1986	1987
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	290	274	299	332	405
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Sadoli Khalasa	272	281	279	321	340
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Lurukali	200	186	188	220	292
4.	Shri. Kedarling Bhairavnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	251	274	282	314	300
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	533	556	534	540	572

Above table shows that total expenses incurred to run lift irrigation schemes. Here also we observe that there is increasing trend in incurring the expenses. As compare to 1983 the increase in the expenses of the schemes are 39%, 25%, 46%, 19%, and 7% respectively. Detail analysis of expenses of different schemes have been drawn in Table no. 4.9 and 4.10.

TABLE NO. 4.9

SHOWING OPERATING EXPENCES AS A % TO TOTAL EXPENCES

Name of co-operative Lift irrigation Scheme	1983 Rs.	1984 Rs.	1985 Rs.	1986 Rs.	1987 Rs.
Shri Hanuman Sahakari Pani Purvatha Mandali Ltd, Kandgaon	132456	116787	155490	151594	162597
% to total Expenses	(45.65)	(42.56)	(52.12)	(45.61)	(40.19)
Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	152042	148892	151382	150131	176816
% To total Expenses	(55.88)	(52.84)	(54.16)	(46.76)	(51.97)
Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	132645	129609	127435	136130	193880
% to total expenses	(66.35)	(69.72)	(67.91)	(61.85)	(66.48)
Shri. Kedarling Bhairavnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	107013	104043	124533	147775	146892
% to total expenses	(42.68)	(37.91)	(44.18)	(47.02)	(49.01)
Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	156381	209819	210033	250981	277756
% to total expenses	(29.36)	(37.71)	(39.36)	(46.44)	(48.55)

The above table shows that out of the total expences maximum portion i.e. 56% to 66% covered by operating expenses in case of Sadoli Khalasa Sahakari Pani Purvatha Mandali and Kurukali Sahakari Pani Purvatha Sanstha Kurukali as compare to remaining scheme covered under study.

TABLE NO. 4.10

TABLE SHOWING ADMINISTRATIVE EXPENSES AS A %TO TOTAL EXPENSES

Sr. No.	Name of cooperative lift irrigation scheme	1983 Rs.	1984 Rs.	1985 Rs.	1986 Rs.	1987 Rs.
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	157766	157578	143281	180773	241953
	% to total expenses	(54.35)	(57.44)	(47.88)	(54.39)	(59.81)
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	120058	132888	128114	170962	163884
	% to total expenses	(44.12)	(47.16)	(45.84)	(53.24)	(48.03)
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	67281	56289	60195	84037	97730
	% to total expenses	(33.65)	(30.28)	(32.09)	(38.15)	(33.52)
4.	Kedarling Bhaiyavnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	143729	170393	157335	166551	152814
	% to total expenses	(57.32)	(62.09)	(55.82)	(52.98)	(50.99)
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	376319	346613	323662	289421	294355
	% to total expenses	(70.64)	(62.29)	(60.64)	(53.56)	(51.45)

Comparatively, lift irrigation schemes from village Kandgaon Bachani, Kothali have expended more on administration with in the range 54% to 70% during the period covered under study.

TABLE NO.4.11

TABLE SHOWING YEAR WISE COST PER ACRE OF IRRIGATED LAND

(Amount in Rs.)

Sr. No.	Name of cooperative Lift irrigation Scheme	1983	1984	1985	1986	1987
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	515	504	474	508	532
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	527	547	592	628	616
3.	Kurukali Sahakari Pani Puravatha Sanstha Ltd. Kurukali	473	433	419	475	655
4.	Shri Kedarling Bhairavanath Sahakari Pani Purvatha Sanstha Ltd. Bachani	556	536	558	598	614
5	Kothali Sahakari Pani Purvatna Mandali Ltd. Kothali	801	794	792	785	850

For the period covered under study, the cost per acre of irrigated land is found to be in the range of Rs. 433 to Rs. 850. This cost is showing increasing trend and this due to overall increase in the prices.

Comparatively it is observed that cost per acre of irrigated land is higher in case of Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali. On the other hand lift irrigation scheme from Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali, in average, supplies water at lowest cost the Table No. 4.11 supports the fact.

TABLE NO.4.12

TABLE SHOWING SURPLUSES OF SAMPLE IRRIGATION SCHEMES

Sr. NO.	Name of cooperative Lift Irrigation Scheme	(Amount in ^{Rs.} Lac)				
		1983	1984	1985	1986	1987
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon.	20	17	18	11	20
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli khalasa	4	4	3	5	7
3.	Kurukali Sahakari Pani Puravatha Sanstha Ltd. Kurukali	17	21	17	21	9
4.	Shri. Kedarling Bhairvnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	3	2	6	7	10
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	8	7	5	4	1

Above table shows that lift irrigation schemes from Kandgaon and Kurukali maintain more surplus over the expenses. All of the rest schemes have resulted in profit but in case of all of the schemes earning is not main aim but to bring more and more land under irrigation the table supports the fact.

TABLE NO.4.13

COST PER ACRE

Sr. No.	Name of the cooperative lift irrigation Scheme.	1983 (Rs.)	1987 (Rs.)	Increase %	Total	Annual Growth Rate.
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd., Kandgaon	515	532	17	3.30	0.66%
2.	Sadoli Khalsa Sahakari Pani Purvatha Mandali Ltd., Sadoli Khalasa	527	616	89	16.88	3.37%
3.	Kurukali Sahakari Pani Puravatha Sanstha Ltd. Lurukali	473	655	182	38.47	7.70%
4.	Shri. Kedarling Bhiravnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	556	614	58	10.43	2.08%
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	801	850	49	6.12	1.22%

Comparing the growth rate of the increase in irrigation costs (show in Table No. 4.13) shri. Hanuman Sahakari Pani Purvatha Mandali, Ltd. Kandgaon has able to control the rate which is the sign of well equipped management. The table further indicates that the irrigation cost has reached its maximum, so far Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali.

TABLE NO.4.14

ARREARS OF IRRIGATION CHARGES OF KANDGAON

Year	Balance Arrears (Rs.)	Irrigation charges during the Year (Rs.)	Total	Receipts during the year (Rs.)	Arrears at the end of the year (Rs.)
1983	139043	286945	425988	308059 (72.32%)	117929 (27.68%)
1984	117929	281102	399031	226229 (56.69%)	172802 (43.31%)
1985	172802	296143	468945	344778 (73.52%)	124167 (26.48%)
1986	124167	318016	442183	324829 (73.46%)	117434 (26.56%)
1987	117434	410913	528347	370956 (70.21%)	157391 (29.79%)

Considering the above table No. 4.14 the percentage of recovery of Shri. Hanuman Sahakari Pani Purvatha Mandali, Ltd. Kandgaon is generally more than 70% except the year 1984. It was possible only because of its special incentive scheme mentioned earlier in Table No. 4.2. And the percentage, so far, arrears is below 30% except the specific year 1984, which shows the good sign of development and prosperity of this particular irrigation scheme.

TABLE NO. 4.15

ARREARS OF IRRIGATION CHARGES OF SADOLI KHALASA :

	Balance Arriars	Irrigation charges During the Year (Rs.)	Total (Rs.)	Receipts During The Year (Rs.)	Arriars at the end of Year (Rs.)
1983	248085	273721	521806	217089 (41.60%)	304717 (58.40%)
1984	304717	264502	569219	192393 (33.80%)	376826 (66.20%)
1985	376326	247760	624086	325828 (52.21%)	298258 (47.79%)
1986	298258	310254	608512	279015 (45.85%)	329497 (54.15%)
1987	329497	336383	665880	313040 (47.01%)	352840 (52.99%)

This table No. 4.15 broadly reveals that even after availability of irrigation facilities and the growth of productivity, the growth of recovery is not maintained satisfactorily. So the percentage of arriars is increased. The percentage of recovery and of arrears is clearly shown through the figure in the brackets.

To certain extent similar situation is observed in respect of recovery and arrears of Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali extending this analysis a little further it is observed that especially the rate of recovery is going down, vice versa arrears are increased. The following statement shows arrears of irrigation charges of Kurukali.

TABLE NO.4.16

ARREARS OF IRRIGATION CHARGES OF KURUKALI

Year	Balance Arriars (Rs.)	Changes during the year (Rs.)	Total Rs.	Receipts during the Year (Rs.)	Arriars at the end of Year (Rs.)
1983	254983	212272	467255	241264 (51.63%)	225991 (48.37%)
1984	225991	202403	428394	189012 (44.12%)	239382 (55.88%)
1985	239382	199336	438718	176693 (40.27%)	262025 (59.73%)
1986	262025	225438	487463	202105 (41.46%)	285358 (58.54%)
1987	285358	295017	580375	238045 (41.02%)	342330 (58.98%)

TABLE NO.4.17

ARREARS OF IRRIGATION CHANGES OF BACHANI

Year	Balance arriars (Rs.)	Irrigation charges during the year (Rs.)	Total Rs.	Receipts during the year (Rs.)	Arriars at the end of year (Rs.)
1983	89922	237227	327149	239653 (73.26%)	87496 (26.74%)
1984	87496	268488	355984	215060 (60.41%)	140924 (39.59%)
1985	140924	275794	416718	285788 (68.58%)	130930 (31.42%)
1986	130930	298429	429359	282078 (65.70%)	147281 (34.30%)
1987	147281	278653	425934	268686 (63.08%)	157248 (36.92%)

The issue of recovery and arrears of Shri. Kedarling Bhairavanath Sahakari Pani Purvatha Sanstha Ltd. Bachani, it is seen that the recovery is promptly made. As a result of it the amount of arrears is less than 40%. These two major issues recovery and arrears are mentioned in above table No. 4.17.

TABLE NO.4.18

ARREARS OF IRRIGATION CHARGES OF KOTHALI

Years	Balance Arriars (Rs.)	Irrigation changes during the Year (Rs.)	Total (Rs.)	Receptits during the Year (Rs.)	Arriars at the end of year (Rs.)
1983	697107	501839	1198946	510769 (42.60%)	688177 (57.40%)
1984	688177	549536	1237713	440103 (35.56%)	797610 (64.44%)
1985	797610	519948	1317558	650063 (49.34%)	667495 (50.66%)
1986	667495	538357	1205852	599797 (49.74%)	606059 (50.26%)
1987	606059	567310	1173369	511624 (43.60%)	661745 (56.40%)

The above table No. 4.18 of obviously reveals that other things remaining the same, still Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali failed to increase the recovery of irrigation charges. For increasing the rate of recovery from the farmers, the scheme introduced a new incentive, just like Kandgaon Pani Purvatha scheme, in the form of Discount on irrigation charges.

Even after providing this benefits the scheme bitterly failed in recovering the irrigation charges. Thus it is found that the principles of discount on irrigation charges also has certain limitations.

Financial performance is discussed in next sub chapters.

4.4 FINANCIAL PERFORMANCE :

For the more meaningful understanding of the financial position and performance of the cooperative lift irrigation societies we have computed some ratios. This as absolute accounting figures reported in the financial statements do not provide a meaningful understanding of the performance and financial position of a society. An accounting figures conveys meaning when it is related to some other relevant information. A ratio helps the analyst to make qualitative judgements about the firm's financial position and performance.

In order to cover the financial performance following financial ratios have been calculated.

- a. Current Ratios.
- b. Share holders funds to total assets ratio.
- c. Debts to shareholders funds ratio.
- d. Total Revenue to total assets
- e. Working capital

TABLE NO.4.19

TABLE SHOWING CURRENT RATIOS

Sr. No.	Name of cooperative lift irrigation scheme	1983 (Rs.)	1984 (Rs.)	1985 (Rs.)	1986 (Rs.)	1987 (Rs.)
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	1.63	1.52	1.58	1.44	1.59
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	1.51	1.39	1.21	1.60	1.81
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	2.10	2.15	2.54	1.98	1.64
4.	Shri. Kedarling Bhairavnath Sahakari Pani Purvatha Sanstha Ltd. Baghani	1.52	1.90	1.80	2.66	2.20
5.	Kothali Sahakari Pani Purvatha Mandali Kothali	1.45	1.58	1.52	1.66	1.72

Current ratio establishes relationship between current Assets and current liabilities. This ratio highlights short term financial position (liquidity) of an organisation. Table No. 4.19 shows short term financial position of lift irrigation schemes covered under study. The ratio 2:1^{is} considered as an indication of sound short term financial position. It is observed from the table that Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali enjoys sound short term financial position. At the same time though the current ratio is less than two in case of rest of the schemes it cannot be treated as a sign of poor liquidity position as their ratios are nearer to 2:1.

TABLE NO. 4.20

TABLE SHOWING FINANCING OF ASSETS (Propoitory Ratio Or Equity Ratio)
(Figures in percentage)

Sr. Name of Irrigation No. Scheme.	1983	1984	1985	1986	1987
1. Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	95.7	95.5	94.0	94.5	94.6
2. Sadoli Khakasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	52.7	55.6	65.7	78.3	82.7
3. Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	84.0	84.0	86.5	85.3	81.0
4. Shri. Kedarling Bhairavnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	96.0	94.2	95.9	95.5	97.3
5. Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	62.9	64.6	67.9	70.2	70.9

Above table No. 4.20 shows that most of the Assets possessed by the sample lift irrigation schemes have been financed by owned funds. This is the sign of sound long term financial position. This position is noticable only because the schemes are old enough and have repaid their borrowings made at the begining.

TABLE NO.4.21

TABLE SHOWING FINANCIAL LEVERAGE (Debt Equity Ratio)

Sr. No.	Name of the lift irrigation Scheme	1983	1984	1985	1986	1987
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kaddgaon	0.044	0.036	0.058	0.061	0.056
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	0.894	0.795	0.541	0.276	0.209
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	0.189	0.184	0.155	0.17	0.185
4.	Shri. Kedarling Bhairavnath Sahakari Pani Purvatha Sahstha Ltd. Bachani	0.040	0.061	0.041	0.046	0.026
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	0.587	0.548	0.471	0.224	0.386

The ratios shown in the table No. 4.21 have been developed by establishing relationship between debts and share holders funds (debts/shareholders funds). As debts are relatively less except the lift irrigation schemes from village Sadoli and Kothali But at the same time their ratio is declining which shows they are speedily repaying the debts. Rest of the irrigation schemes are enjoying less interest liability.

TABLE NO.4.22

TABLE SHOWING OPERATING EFFICIENCY

(Figures in percentage)

Sr. No.	Name of cooperative lift irrigation Schemes.	1983	1984	1985	1986	1987
1.	Shri Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	15	16	18	19	22
2.	Sadoli Khalasa Pani Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	21	20	21	23	23
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	21	19	19	21	24
4.	Shri. Kedarling Bhairavnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	25	25	24	26	24
5.	Kothali Sahakari Pani Puravatha Mandali Ltd. Kothali	18	18	19	19	18

Above table No. 4.22 shows that in case of all of the schemes are operating their assets to earn revenue in the range between 15% to 26% for in other words in Rupee invested minimum earns a revenue of fifteen paise and maximum 26%. Which is not at all a bad signe for organisations engaged in rendering services like lift irrigation.

TABLE NO.4.23

TABLE SHOWING WORKING CAPITAL OF SELECTED FIVE COOPERATIVE LIFT
IRRIGATION SCHEMES (1983 TO 1987)

(Figures in Rs.)

Sr. No.	Name of cooperative lift irrigation Schemes	1983	1984	1985	1986	1987
1.	Shri. Hanuman Sahakari Pani Purvatha Mandali Ltd. Kandgaon	281140	148107	150328	99336	124179
2.	Sadoli Khalasa Sahakari Pani Purvatha Mandali Ltd. Sadoli Khalasa	133053	130877	66606	160495	197010
3.	Kurukali Sahakari Pani Purvatha Sanstha Ltd. Kurukali	197609	206829	238234	156715	155438
4.	Shri. Kedarling Bhairavnath Sahakari Pani Purvatha Sanstha Ltd. Bachani	43372	115404	120591	193367	132225
5.	Kothali Sahakari Pani Purvatha Mandali Ltd. Kothali	402787	480536	339701	407223	450594

The above table shows all of the lift irrigation schemes covered in the study have enough amount of working capital as a result routine operations will not be held up on account of shortage of working capital and credit rating in the market will be good.

CONCLUSION

On observing the financial performance it can be easily concluded that all of the lift irrigation schemes have registered good financial performance and successful in utilising there assets for providing maximum irrigation services to the farmers, registering increasing trend in bringing more and more land under irrigation with adequate amount of profit earnings.