

**MAGNITUDE, DETERMINANTS, AND EFFECTS OF ILLEGAL OUT-MIGRATION
FROM SOUTH WOLLO ZONE:
WITH AN EMPHASIS ON SELECTED WOREDAS IN ETHIOPIA**

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ABSTRACT

The purpose of this study is to explore the magnitude, determinants, and effects of low skilled illegal out-migration: with reference to Ambasel, Tehulederie and Worebaboworedas. Data were collected using secondary and primary sources. In order to illicit respondents opinion questionnaires, interviews and focus group discussions were employed. The target group respondents were returnee emigrants, emigrants' families and community leaders that comprises of administrative members, religious groups, Equib leaders and elders. The sampling technique employed to identify respondents was simple random sampling and convenience non-probability sampling. Data was analyzed using descriptive and statistical analysis. The result of the study shows increasing of low skilled illegal migration due to the effect of push and pull factors. Potential emigrants pushed by their problems as they see migration as options for improving life and also lured by successful migrants' achievements that enhance them making decision. Thus, people rush to cross borders but faced severe problems by inhuman and brutal act of smugglers including requesting money in the transit country Yemen. Emigrants who fulfilled smugglers request continue their journey to their destination countries. Some could detain at the border, and some succeed in migrating but fail to remit. The effect of illegal migration found to be positive but more of its outcome have negative consequences. The positive effects are benefits of remittances and the negative consequence of migration represents a large outflow of human capital from the study region, Physical and emotional violence, death and acute illness, economical crisis. Based on the findings recommendations are made. There should be awareness creation on consequence of illegal migration to the society. Areas of revenue generation and opportunities should be identified and training, access to finance, consultancy service and strategies to enhance them for work need to be facilitated. Government need to make efforts to protect migrants' rights in the host countries.

KEYWORDS

Illegal Out Migration, Magnitude of Migration, Push and Pull Factors, Usury, Remittances etc.

INTRODUCTION

This research explores the magnitude, determinant and effects of illegal out-migration in Ambasel, Tehuledere and Worebabodistricts (hereafter *Woredas*) of South Wollo Zone, Amhara region. The study has been sponsored by CIFA, an international none government organization (NGO) with the purpose of understanding the phenomenon and of trying to find solutions to the problems of illegal out-migration.

Overview of Living Condition in Ethiopia: Demographic, Economic & Migration Patterns

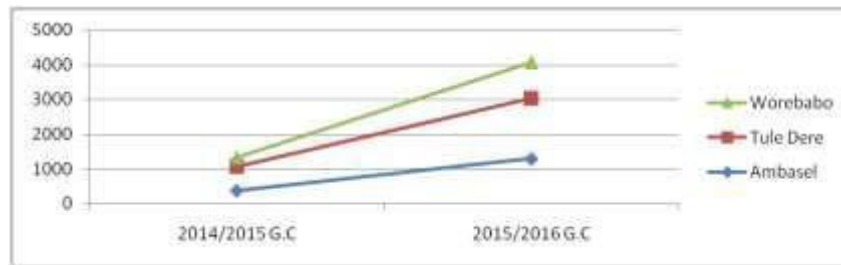
Migration is closely linked to the state of the economy; so that in order to have clear image on migration pattern, it is important to go through assessments of the overall demographic and economic situation of Ethiopia. While agriculture is the dominant sector its share in GDP is 38.8% when service sector scaled up to 46.6% and industry growth recorded as of 15.2% in 2014/15 (NBE 2014/15 Annual Report). Migration can be defined as “the movement of people from one place to another for the purpose of taking up permanent or semi-permanent residence which is occurred throughout human history”, (National Geographic Society 2005). Movements within a country are usually defined as internal migration and, accordingly movements across international borders can be termed as international migration. Migration can be voluntary or involuntary: Voluntary migration represents when individuals go to new country by their own will and involuntary migration represent when individuals forced to move away from their homeland to the next available spot without their wish as refugees. In this study, our focus is voluntary migration.

The statistical data collected from North East Immigration Office, Dessie branch number of individuals from Ambasel, Tehulederie and Worebaboworedas claiming for passport is increasing in three consecutive years as exhibits below.

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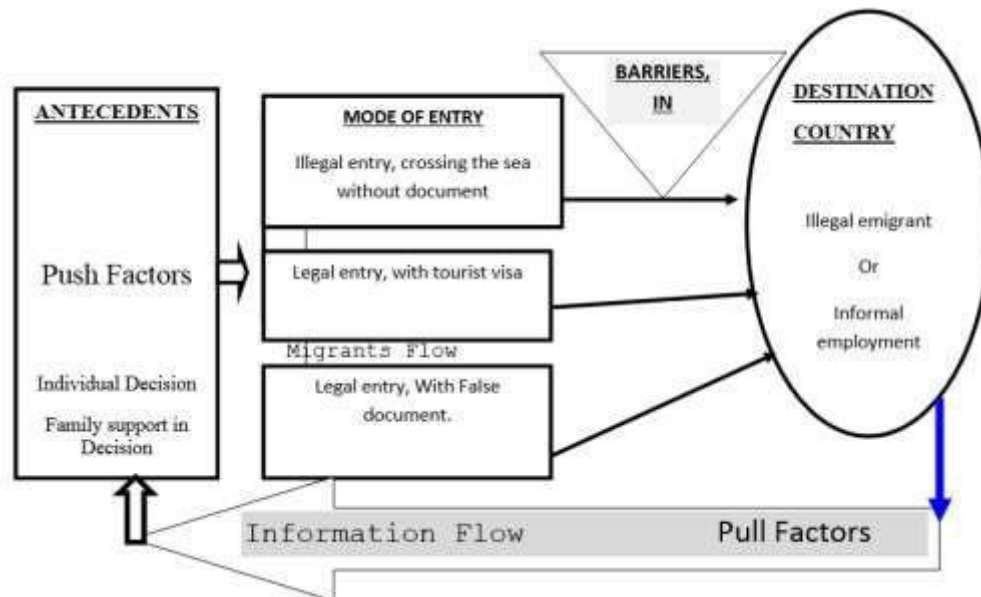
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**Figure-1: Individual Claims for Passport in the Study Area
Trend of Ethiopian Emigrants (2012–2015)**



Sources: Recorded from North East Immigration Office, Dessie Branch

Figure-2: Conceptual Framework for the Study



Sources: RMMS (2016). Mixed migration in Horn of Africa and Yemen Monthly Summary: May 2016

OBJECTIVES OF STUDY

The objective of this study is to explore the magnitude, determinants, risk and effects of low-skilled illegal out transnational migration from south wollo zone with reference to Ambasel, Tehulederie and Worebabo woredas. Here are specific objectives to be addressed.

- To assess the magnitude of illegal out-migration from the three woredas: Ambasel, Tehulederie & Worebabo.
- To identify the major determinants that influence illegal out-migration from study Woredas.
- To detect the major modes of illegal out-migration: Ambasel, Tehulederie & Worebabo.
- To study the risks associated with illegal out-migration in the mentioned Woredas.
- To explore the economic, social & psychological effect of illegal out- migration in the three Woredas.

SCOPE OF STUDY

The research is planned to be executed on the selected three Woredas of Ambasel, Worebabo and Tehulederie in South Wollo on illegal transnational labor migration. The target groups of respondents are Returnee emigrants, emigrants' families, community leaders (administrative and religious leaders). The study gives emphasizes on illegal out low skilled transnational emigrants driving forces, magnitude and its effects on economic and social factors.

RESEARCH METHODS & TECHNIQUES

This study is conducted in South Wollo specifically, Ambasel, Tehulederie and Worebabo woredas. This study is a mixed approach of qualitative and Quantitative in which the researchers, collects qualitative and numeric data from participants and analyzes these numbers using statistics, and conducts the inquiry in an unbiased, objective manner. The research design for this study is descriptive in nature and cross-sectional method to explore antecedent factors, magnitude, risk and effects of illegal out migration.

The study is based on both secondary and primary sources. Structured questionnaires’ closed and open ended were prepared to illicit information from target groups (returnees, emigrants’ families and community leaders). The Likert-type scale method used to range of responses: strongly agree, agree Neutral, Disagree and Strongly Disagree, with a numeric value of 1-5, respectively. As number of emigrants from each Woreda is known, number of emigrant families expected to be similar even in some case can be different. Number of community administrative leaders as of kebele leaders and religious from each kebele are expected to be 50 to 60.

Therefore, the sample size was determined based on Nargundkar (2010) formula such as:

Table-1

$n=Zs/e)^2$		Whereas : n= Required sample size Z = For 95% confidence level a z –score of 1.96 S= Standard deviation for the variable which we are trying to measure e= Tolerable error required for calculating the sample size			
Woredas	Number of Kebeles	Target Group	Sample Size	Sample of Kebele	Number of Enumerators
Ambasel	22	Returnee Migrants	36	6	6
		Emigrant Families	32		
		Community Leaders	18		
		Total Sample Size	86	6	
Thuledere	19	Returnee Migrants	60	01,03. 04,010 14,21 16.02 17,18	11
		Emigrant Families	56		
		Community Leaders	44		
		Total	160		
Worebabo	21	Returnee Migrants	76	01,02,05,06 07,08 09,10 16,17 18,19 20 , 01 Hora	14
		Emigrant Families	66		
		Community Leaders	65		
		Total	207		
Grand Total			453	31	31

Sources: Authors Compilation

DATA ANALYSIS AND DISCUSSION

The purpose of the study is to inquiry the magnitude, determinants, risk, mode of transportation and effects of transnational low skilled illegal out-migration from Ambasel, Tehuledere and Worebabo woredas of South Wollo Zone.

Magnitude of Illegal Out-Migration

Table-2: Returnees, Family and Community Leaders Response to the Extent of Illegal out Migration

Alternatives	Returnees		Family		Community Leaders	
	Frequency	%	Frequency	%	Frequency	%
Agree	135	84.4	91	61.9	111	88.8
Neutral	7	4.4	12	8.2	6	4.8
Disagree	18	11.2	44	29.9	8	6.4
Total	160	100.0	147	100.0	125	100.0

Sources: Authors Compilation

As shown above on the table, the majority returnees (84%), families (62%) and community leaders (89%) agreed with the increasing number of illegal out migrants to the Arab world. The response of these respondents is also strongly seconded by informants and focus group discussion participants. Key informants, who were part of the movement, claimed that more than 200,000 people are crossing the Sea per a day at a national level though such amount is similarly deported to the home country. For the sake of identifying the number of emigrants and to take into consideration the extent of illegal out migration, a three years data (2013/14-2015/16) were collected by means of house to house searching mechanism with the help of well-trained information gatherers in each community of the respected Woredas.

Relationship Analysis

The relationship between variables is analyzed using the following correlation matrix in order to explore the direction of variables movement, the strengths of correlation and whether the correlation is significant. The benchmark is based on Hinkle et al (2003) rules of thumb and important correlations: (> .7 = High relationship, .4 to .7 moderate relationship, .2 to .4 low relationship, and .1 to .2 =weak relationship).

Table-3: Correlations Matrix

		Push Factor	Pull Factor	Extent of Illegal Out Migration
Push Factor	Pearson Correlation	1	.415**	.817**
	Sig. (2-tailed)		.000	.000
	N	160	160	160
Pull factors	Pearson Correlation	.415**	1	.261**
	Sig. (2-tailed)	.000		.000
	N	160	160	160

Sources: Authors Compilation

Note: **Correlation is significant at the 0.01 level (2-tailed).

The correlation matrix in the table-2 above reports that push factors have found to be significantly and positively correlated with illegal out migration (r = .817, p< .01), that is, illegal out migration is higher when push factor are increasing. Hence, the relationships between push factor and illegal out migration are statistically significant. Besides this, pull factor is significantly and positively correlated with illegal out migration (r= .261, p< .01), that means, illegal out migration will be higher when pull factors are increasing. Hence, the relationship between pull factor and illegal out migrations are statistically significant.

Effect Analysis

Regression analysis was employed to assess the relationship between Push and pull factors and illegal migration. It helps us to know if illegal migration is dependent on push and pull factors. Regression analysis is a measure of how strongly each independent variable predicts the dependent variables (Malhotra 2008).

Table-4: Regression Coefficients

	1	Unstandardized Coefficients		Standardized Coefficients		t	Sig.
		B	Std. Error	Beta			
	(Constant)	.006	.073			.087	.931
Illegal mig	Push Factor	.858	.033	.853		25.726	.000
Illegal mig	Pull Factor	.119	.026	.150		4.533	.000

Sources: Authors Compilation

Note: a. Dependent Variable: illegal out migration

Table-3 above reports the coefficient of the regression line, which provides us with information on each Independent variable to predict illegal out migration. The B coefficient of the independent variable, the slope represents the amount of change in the dependent variable for a one-unit change in the independent variable. The intercept (Constant) is the position on the vertical y-axis where the regression line crosses the axis. Based on this, we can develop the raw regression equation is as:

$$Y = .006 + 0.858x_1 + .119x_2$$

This equation is derived from $Y = a + b_1x_1 + b_2x_2$

Where: y = Illegal out migration, a= intercept
 $b_1 - b_2$ = regression coefficient
 X_1 = Push Factor X_2 = Pull Factor

When Push factor goes up by 1 unit, Illegal out migration goes up by 0.858. The regression weight for push factor in the prediction of illegal out migration is significantly different from zero at the .001 level (two tailed). Push factor (.853) has the greatest effect on illegal out migration. As it can be seen in above, push factor influence illegal out migration (Regression weight=.858, $p < .05$), it is statistically significant. Pull factor influence illegal out migration (Regression weight=.119, $p < .05$), it is statistically significant. The regression weight also denotes when pull factor goes up by 1, illegal out migration goes up by 0.119.

Effects of Illegal out Migration

The consequences of migration are possibly diverse since both legal and illegal migration have positive and negative contributions for the overall development of their country in general, and families and they in particular (Gebrehiwot and Fekadu: 2012; Muhammed: 2016; Fransen: 2009). Many empirical studies have confirmed the positive contribution of international remittances to household welfare, nutrition, food, health and living conditions in places of origin (Muhammed: 2016). However, sudden loss of remittances leaves emigrant families and home communities without income. This is way remittances are among the most discernible effects of migration. Regarding the value of remittances, an organized data collected from the sample representatives of returnees and emigrant families is presented below on the table.

Table-5: Family and Community Leaders Response to the Value of Remittances

Statements	Alternatives	Family		Community Leaders	
		Frequency	%	Frequency	%
Money sent by emigrants from the outside world to their families is not blessing	Agree	53	36	53	42
	Disagree	67	46	62	50
	Uncertain	27	18	10	8
	Total	147	100	125	100

Sources: Authors Compilation

As shown in the above table, the majority family (46%) and community leaders (50%) gave positive reply to the value of remittances while 36% of the family and 42% of the community leader respondents under estimated the value of remittances. Both the two group of respondents had put their justification for the reason why they accepted and underestimated remittances. One group said that remittances have greater value if and only if the user wisely and consciously consumed it while others gave least credit. This issue as a burning point was also aroused when experienced returnees, emigrant families and community leaders were separately interviewed. All the interviewed finally claimed that money is money, remittances are remittances, property is property, cloth is cloth and material is material but the chronic problem emanates from lack of awareness in the way how the users are using it. They added that there are emigrant families who have constructed quality houses that made up of corrugated iron sheet and cement ingredients, there are families who bought oxen and other domestic animals, there are families who fulfilled their house furniture, there are families who earned money regularly from abroad and deposited in the bank, there are families who have bought vehicles and the like, there are families who strongly furnish their school children, and there are families who live a better and standardized life than before. To the contrary, others said that most of emigrant families are found in a precarious situation due to emigrants' problem of: paying the money borrowed from usurers, getting adequate salary that to be sent for compensating the sold properties of the journey, releasing the rented land and deportation of their emigrants before working to get the required money in the host countries. In connection to this, participants of the discussion forwarded that most of the emigrant families are highly bankrupted and found in poverty by which they are living below a hand to mouth life.

Table-6: Family and Community Leaders Response to the Benefits of Remittances for Emigrants and their Families

Question	Alternatives	Family		Community Leaders	
		Frequency	%	Frequency	%
Emigrants retarded the socio-economic developments of the Woredas	Agree	20	13	51	41
	Uncertain	45	31	2	1
	Disagree	82	56	72	58
	Total	147	100	125	100

Sources: Authors Compilation



As shown in the above table, 56% of the family and 58 % of the community leaders disagreed with the benefit of remittances while 31% of the families ensured their uncertainty and 41% of the community leaders agreed on the negative contribution of remittances for the socio-economic development of the three Woredas. This contradictory idea has been one of the discussion agenda by the focus group participants. Here again participants seriously discussed the extent of emigrants contribution for the development of the Woreda. For the sake of harmonizing the positive and negative response of both the respondents and participants of the discussion, the researchers had tried to observe the tangible assets of emigrants. Finally, the researches generalize absence of reliable and quantified contribution of emigrants.

RECOMMENDATIONS

Based on the analysis and discussion, a number of recommendations can be in place. Firstly, it has been found that the primary pushing factor of emigrants to rush crossing international border is the economic hardship that follows by unemployment and other related aspects in the home land. However, there are various possibilities to tackle this cause if long-lasting strategy is made that helps the local people to develop hard working culture, making them to rely on their own resources, to be confident of domestic job opportunities, to properly utilize their resources, and working to bring a paradigm shift of increasing agricultural productivity and creating awareness of the consequences and hazards of illegal out migration. Migration is seen as alternative means from escaping poverty. In accordance of doing these, government should work with countries to facilitate migration that occurs legally and without risk of human rights abuse.

Secondly, the study found that the amount of money paid for the journey, which has been attached with users which is double of the money borrowed and smugglers which is grabbing of money from family deteriorating poverty especially if the emigrants detained and return back before repaying the loan .It is, therefore important that all responsible bodies of the local government as well as the concerned religious fathers should involve in avoiding such problem. It is, recommended that a coordinated network of controlling mechanism should be established to end the illegal and inhuman acts of brokers. Thirdly, illegal out emigrants are faced physical and emotional violence in the host countries. This demands the government to make efforts in protecting migrants' rights in the host countries. Returnee emigrants are also economically and psychologically affected, most returnees are unemployed so that government need to train them, create access for finance, create situations for working and selling conditions and establish a counseling program for them.

Fourthly, with respect to emigrants' remittance, it has been found that remittances are spent on consumption, debt repayment, and purchasing equipment. It is evidenced that in some families it creates dependency syndrome. Therefore, conducting a coordinated campaign by all responsible bodies of the government and community leaders is indispensable, as consultancy service needs to be implemented. Areas of revenue generation and opportunities should be identified and training, access to finance, consultancy service and strategies to enhance them for work need to be facilitated. Fifthly, illegal out migration has great contribution to the increasing number of students drop out. It is, therefore, recommended that forum should be created for a regular gathering of all responsible bodies that can discuss and then produce practical solution to alleviate the problem. The study has also shown the effects of migrants on the cultural and religious life of their families as well as the local people.

CONCLUSION

This study dealt with magnitude, determinants, and major modes of travel, risks and effects of illegal out-migration in Ambasel, Tehuledere and Worebabo Woredas of South Wollo Zone. As far as the priority-motivating factor for migration from the three Woredas is concerned, economic hardship and unemployment, followed by influence of ex-emigrants, family pressure and other related issues have significant contribution. These findings are consistent with the money paid for the travel that varies from 5000 to 68000 Birr. Here, the tragedy is not the amount of the paid money but its source and attachment with brokers, the sale of properties and renting their or their families productive farmlands. This shows how the emigrants and their families are exposed to severe economic exploitation of the user and unnecessary expenses since most of them were unsuccessful in their expected objectives. Regarding emigrants' impact on education, the research found that their impelling contribution to the growth of students' drop out in the school. The research also assured that the majority respondents' replay to emigrants' influence on local culture and religion. With respect to religion, it was found that the conversion of young emigrants to Islam and their pressure up on families as well as other dwellers to strictly apply Islamic doctrines.

With respect to the effect on marriage, the research realized that the existence of emigrants' divorce from their partners before, during and after they arrived in or returned from the Arab countries. In the last part of the study, an attempt was made to superintend emigrants' effect on the life of their children. Regarding this issue, the study findings showed that the lack of proper care for children born before and after their parents went outside. Moreover, the research indicted how much the children are socially segregated which has psychological effect that connected with the overall development of their personality. Thus, it is possible to conclude that illegal out migration has multi-dimensional aspect of negative outcome than its advantage.



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INFLUENCE OF FLOATATION TECHNIQUES ON SEED AND SEEDLING QUALITY CHARACTERISTICS OF PETUNIA CV. MIX

Dr. K. Natarajan³ Dr. P. Srimathi⁴

ABSTRACT

Studies were made to evaluate the efficacy of floatation grading on invigorating the seeds of petunia cv. Mix using organic solvents. The results revealed that the sinker seeds of floatation grading irrespective of organic solvent and water performed better than floater seeds. The grading efficiency of acetone was higher among the evaluated organic solvents. The sinkers of acetone recorded 20 per cent higher germination than the sinkers of water.

KEYWORDS

Sinkers, Acetone, Floaters, Germination etc.

INTRODUCTION

The seeds are processed before marketing to reduce their heterogeneity. Morphological seed characters continued to predominate in conversion of polymorphic seed to homogenous seed, which ensure uniform crop growth on resowing. Seed homogeneity obtained through the post harvest handling operation - the grading is said to improve the yield and storability of seed by several authors (Basavegowda *et al.*, 1997; Guberac *et al.*, 1998; Bhattacharjee *et al.*, 2000) in different crops. Petunia, the ornamental flower crop, have an indeterminate growth habit with extended flowering periods of two to three months and thereby sequences the duration of maturation within the population. Ovcharov and Kisilova (1966) opined that early formed seeds differed from later formed ones due to various factors and seed size is the commonest phenomenon taken for grading of seed (Gregg, 1967). In smaller sized seed, where the seed size variation could not be easily obtained with sieves, weight or density is taken as a factor for upgrading the quality of seed (Natarajan and Vijayakumar, 2003) where the choice of grading technique is genetic. Petunia is one such crop where size grading could not be carried out, as seeds are the smallest and passes through the smallest sieve size of BSS 22 x 22 (British Standard Sieve). Hence, attempts were made in petunia cv.Mix to grade the seeds by density using organic solvents and were evaluated for the seed and seedling quality characters.

MATERIALS AND METHODS

Bulk crop of petunia cv. Mix raised in botanical garden, Tamil Nadu Agricultural University, Coimbatore, were harvested and the fresh seeds were subjected to floatation grading using organic solvents and water by dropping 100 g of the seeds in four replicates. The organic solvents used were acetone, petroleum ether, methanol, dichloromethane and kerosene. Seeds were stirred well and allowed to stand for one to two min. Then the seeds were separated as sinkers (sink in the column of solution/water) and floaters (seeds that float in the column of solution/water), collected separately and dried under shade for two days. The seed recovery in each of the liquid fraction was calculated adopting the following formula.

$$\text{Sinkers (\%)} = \frac{\text{Weight of sinkers}}{\text{Total weight of seed}} \times 100$$

$$\text{Floaters (\%)} = \frac{\text{Weight of floaters}}{\text{Total weight of seed}} \times 100$$

Then each of the fractions were observed for the seed and seedling quality characters *viz.*, 100 seed weight (mg) (ISTA, 1999), germination (%) (ISTA, 1999), root and shoot length, drymatter production (mg 20 seedlings⁻¹) vigour index (Abdul Baki and Anderson, 1973), electrical conductivity (dSm⁻¹) (Presley, 1958) and Free amino acid (OD value) (Ching and Ching, 1964). The data gathered were analysed statistically adopting the procedure described by Gomez and Gomez (1984) for evaluating the treatment significance.

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RESULTS AND DISCUSSION

The seed quality parameters assessed through 100 seed weight (mg), germination (%), root length (cm), shoot length (cm), drymatter production (mg 20 seedlings⁻¹), vigour index, electrical conductivity (dSm⁻¹) and free amino acids (OD value) were highly significant due to liquid grading and graded fraction. However, the seed recovery was significant only for the graded fraction. (Table-1).

The recovery of seeds as sinkers and floaters using acetone, methanol, kerosene, dichloromethane and petroleum ether along with water in each of the floatation fractions vary with respective liquid media. In water, the empty and filled seeds exhibited buoyancy on the surface for first few minutes due to their lighter weight, but thereafter the seed sink to the bottom based on the adsorption principle because of which the recovery of seeds were lower in water than with other solvents.

The seed weight evaluated for 100 seeds expressed that sinker seed were heavier in weight than floater seeds and the hike was 27 per cent in acetone, 29 per cent in methanol, 24 per cent in kerosene, 100 per cent in dichloromethane, 38 per cent in petroleum ether and 34 per cent in water, respectively. Umarani (1999) and Natarajan (2000) also reported such variation between the sinkers and floaters of organic solvents either floaters of organic solvents either either floaters of organic solvents either due to ill filling or emptiness of the seed (Jacqueline, 1984).

Physical characters of seed are also exercised to have a profound influence on their planting quality (Ferguson and Turner, 1971; Krieg and Bartee, 1975) in almost all crops. In the present study, a close association between seed density and germination was evident, where sinkers of all solvent fractions recorded higher germination due to the increased activity of redox enzyme in heavier seeds that favour the breaking down of the complex food reserve materials into simple soluble sugar as reported by Gurbanov and Berth (1970). Among the liquids, the highest germination (98 per cent) was recorded by acetone and was in close association with the results of early-evaluated factors viz., seed recovery and 100 seed weight.

Vigour, the integral part of seed quality is normally evaluated through seedling length, drymatter production and vigour index. These vigour factors were also associated positively with the sinker seed in line with other seed quality parameters and recovery, which could be ascribed to the matured status of the embryo along with adequate nutrient reserve factors residing in the seed (Pollock and Roos, 1972). Similar results were also reported by Selvaraju (1985) and Natarajan and Vijayakumar (2004) in flower crops.

Within the solvents, the evaluated vigour parameters were higher in sinker seeds of acetone, which was 19, 8, 19 and 37 percent higher than water gradation technique respectively for root length, shoot length, dry matter production and vigour index. The bio chemical parameters viz., electrical conductivity and free amino acids were also lower in acetone-graded sinkers than others were. Among the liquids used for grading, the lowest electrical conductivity of seed leachate was recorded by seeds graded with acetone (0.042 dSm⁻¹) and was followed by petroleum ether (0.045 dSm⁻¹) and methanol (0.046 dSm⁻¹) which were on par to one another irrespective of the graded fractions. The free amino acid content of seed leachate was minimum in the seeds graded with acetone (0.017), while seeds graded with water (0.026) irrespective of fractions registered the maximum. Between the fractions, the highest free amino acid content was obtained due to sinker (0.014) than with floater (0.022) irrespective of solvent grading. Thus, the study highlighted that:

In floatation grading, the sinker seeds of acetone recorded 20 per cent higher germination than the sinker seeds of water (78 per cent).

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APPENDIX

Table-1

Fraction of seed (F) Solvent grading (SG)	Seeds recovery (%)			Germination (%)			Root length (cm)			Shoot length (cm)		
	Sinkers	Floater	Mean	Sinkers	Floater	Mean	Sinkers	Floater	Mean	Sinkers	Floater	Mean
Acetone	93.0 (74.89)	7.0 (15.31)	100.0 (45.10)	9.8 (83.28)	45 (42.12)	72 (62.70)	0.95	0.52	0.74	1.96	1.10	1.53
Methanol	99.0 (85.22)	1.0 (4.78)	100.0 (45.00)	94 (76.33)	20 (26.45)	57 (51.29)	0.90	0.47	0.69	1.90	0.95	1.42
Kerosene	95.0 (77.50)	5.0 (12.03)	100.0 (44.77)	90 (71.89)	38 (38.04)	64 (54.87)	0.86	0.50	0.68	1.85	0.88	1.37
Dichloromethane	100.0 (89.52)	0.0 (0.48)	100.0 (45.00)	84 (66.53)	0 (0.47)	42 (33.50)	0.82	0	0.41	1.88	0	0.94
Petroleum ether	98.0 (82.05)	2.0 (7.94)	100.0 (45.00)	95 (77.50)	28 (31.91)	52 (54.71)	0.92	0.44	0.69	1.92	1.00	1.45
Water	56.0 (48.46)	44 (41.55)	100.0 (45.00)	78 (62.03)	15 (22.72)	47 (42.37)	0.77	0.34	0.58	1.80	0.80	1.30
Mean	90.2 (76.27)	9.8 (13.68)	90 (44.98)	90 (72.86)	24 (26.95)	57 (49.90)	0.87	0.43	0.62	1.89	0.79	1.34
CD (P=0.05)	SG	F	SGF	SG	F	SGF	SG	F	SGF	SG	F	SGF
	NS	2.177	5.333	3.793	2.190	5.365	0.092	0.093	0.131	0.202	0.116	0.286

Sources: Authors Compilation

Table-2

Fraction of seed (F) Solvent grading (SG)	Dry matter production (mg 20 seedlings ⁻¹)			Vigour index			Electrical conductivity (dS m ⁻¹)			Free amino acid (OD value)		
	Sinkers	Floater	Mean	Sinkers	Floater	Mean	Sinkers	Floater	Mean	Sinkers	Floater	Mean
Acetone	2.1	1.1	1.6	212	55	134	0.028	0.056	0.042	0.010	0.024	0.017
Methanol	1.8	1.2	1.5	159	24	92	0.032	0.059	0.046	0.014	0.027	0.020
Kerosene	1.8	0.9	1.4	163	5	99	0.038	0.062	0.050	0.016	0.030	0.023
Dichloromethane	1.9	0	0.9	160	0	80	0.035	0.000	0.017	0.014	0	0.007
Petroleum ether	2.0	1.1	1.6	194	31	113	0.036	0.059	0.045	0.012	0.018	0.015
Water	1.7	0.8	1.3	133	12	73	0.036	0.065	0.051	0.019	0.033	0.026
Mean	1.9	0.8	1.4	170	16	96	0.033	0.050	0.042	0.014	0.022	0.018
CD (P=0.05)	SG	F	SGF	SG	F	SGF	SG	F	SGF	SG	F	SGF
	0.284	0.164	0.402	23.478	13.555	NS	0.004	0.002	0.006	0.005	0.003	0.008

Sources: Authors Compilation

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**WORKING OF RIGHT TO INFORMATION ACT 2005:
AN APPRAISAL IN THE EXISTING PERSPECTIVES**

Dr. Shashi Nath Mandal⁵

ABSTRACT

The whole world is moving towards the information quotient and it is often said the present age is gradually leading the generation towards information society leaving intelligence, spiritual and knowledge based society. It is information, which has become the key to success in the present society. However, genuine attention on information was given for the first time in 1948, when Article 19 of Universal Declaration of Human Rights 1948, recognized the importance of information for human being in the way to their proper development and provided opportunity to get access to information, globally. Most of the civilized states have understood the importance of information in a democratic setup and adopted the right to information as a fundamental right to enjoy the right to freedom of information in its proper sense. India, being one of the largest democracy in the world, is not an exception to this global understanding.

'Right to Information' is the test of a conscious and vigilant society in a democratic government in any civilized society. It provides authority to its citizen to participate in the development process of the nation. India is not an exception to the general notion and it has accepted its legislation to rule the right to information in particular in the line of right guaranteed to its citizen by the Constitution of India through the doctrine of 'freedom of speech and expression'. India has its first obvious legislation 'Right to Information Act' in the year 2005, which for the first time extended the right to obtain information from any public authority subject to some classical exemption in the line of 'reasonable restriction' of the Constitution of India. The Right to Information Act, 2005, (RTI Act) has for the first time empowered the general citizen to take a call of the governmental and government-aided activities of the government in the country and through different provisions, the RTI Act, 2005 has allowed the citizen to become the watchdog for all governmental projects and activities by taking time to time information about the projects.

Manifold scope to get singular information from the public authority has also made the law information friendly, in exception to the general understanding of administration friendly or information seeker friendly. Besides 'public information officer' and 'appellate authority', the introduction of quasi-judicial body in the name of 'commission' in the form of state commissions and central commission has extended two dimensional redressal mechanism for the information seekers. Provision of 'fine' in the RTI Act has also worked as booming capsule in encouraging the application and increased proper respect towards the rights extended by the RTI Act. It has splendidly kept India economic structure in its spirit and made the information available at a very low cost for general people and free for the people of below poverty line. The present RTI law, for the first time, has provided a third eye to all the alert and aware citizen of India to participate in the process of maintaining administrative transparency and accountability. It has, nowadays, been proved, to be the key to 'Good Governance'.

KEYWORDS

Information, Public Authority, Constitution, Transparency, Accountability, Good Governance, Knowledge based Society etc.

"A popular government, without popular information, or the means of acquiring it, is but a prologue to a farce or a tragedy; or, perhaps both."James Madison

INTRODUCTION

The access to information had been recognized and reflected globally for the first time under Article 19 of the Universal Declaration of Human Rights proclaimed in December 1948¹. The right of citizens' access to information is an important means of achieving an accountable, transparent and participatory Government.

¹Everyone has the right to freedom of opinion and expression; this right includes freedom to hold opinions without interference and to seek, receive and impart information and ideas through any media regardless of frontiers.

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Right to Information is the bulwark of democratic government. This right is essential for the proper functioning of the democratic process. Right to Information is an integral part of the freedom of speech and expression enshrined in Article 19(1)(A) of the constitution, which is regarded as the first condition of liberty. It occupies preferred position in the hierarchy of liberties giving succour and protection to other liberties. The expression "freedom of speech and expression" in Article 19(1)(a) has been held to include the right to acquire information and disseminate the same. It includes the right to communicate it through any available media whether print, electronic, or audio-visual, such as, advertisement, movie, article or speech, etc. This freedom includes the freedom to communicate or circulate one's opinion without interference to as large a population in the country, as well as abroad, as is possible to reach. Communication and receipt of information are the two sides of the same coin. An important aspect of freedom of speech and expression is considered the freedom to receive and disseminate information without any hindrance. Without adequate information, a person cannot form an informed opinion.

In a country like India where the government consists of numberless agents of the public, each one of them has to be responsible for their own conduct and hence, there is no room for maintaining secrets. In less than a decade, the flourishing movement for the right to information in India has significantly empowered the ordinary citizen. He can now exercise significant check over the arbitrary use of power by the State functionaries and thereby the democratic set-up of the country is expanding. People of India have long battled to achieve the Constitution and thereby the inalienable fundamental rights. The right to information is also one of fundamental rights implicit in the Constitution. Fundamental Right to Information is the *sine qua non* of democracy in India because historically the culture of the executive has been one of secrecy in India since the colonial rule. There has never been constant and resolute access to information.

Where the disclosure of information is required proactively, it is often ignored or taken very lightly. The growing number of complaints and appeals are responsible to strain enforcement mechanisms for the new law. Nonetheless, the potential of transformation of the new law has already been demonstrated by the advocates of RTI Act, and they are continuously pressing for proper implementation in a very energetic way. The public officials and civil society organizations have developed innovations in practice, which may prove to be of great use to other countries ready to adopt similar laws.

One thing should be kept in mind that Judiciary is one of the three wings of the government along with the Legislature and Executive, and it is accountable to the people like the other two. If any sort of immunity is resorted to the judiciary from Right to Information Act then it will be completely in contradiction of the basic principle of transparent and accountable governance, that the enforceable right of the citizen to government held information must be the rule, with only a few exceptions for genuine considerations of national security and individual privacy. Right to Information is no doubt a key to good governance.

There was never a doubt that Indian judiciary is one of the strongest judiciaries in the world. This strength of the judiciary can be evidenced by protection from accountability afforded to judges include the virtual immunity from public criticism due to the law of contempt of court, lack of any effective disciplinary mechanism, the self-acquired protection from even being investigated for criminal offences, and finally by the immunity from public scrutiny by another judicially created insulation from the Right to Information Act.

However, the right does not carry with it a right in an absolute sense of the term to gather information. A reasonable restriction on the exercise of the right to know or right to information can always put in order to ensure the security of the State.

NEED OF INFORMATION

It should be remembered that Right to Information or the Freedom of Information has the ability to generate more controversy and heated debate than virtually any other aspect of contemporary government and administration. Freedom of Information has long been a rallying cry of libertarians. However, what does freedom of information mean? For most those who employ the phrase it means that the public files, documents or the information in any form, should be normally accessible to the common people to know what government in up to. In some jurisdictions, it may mean not only allowing access to government documents in whatever form they happen to exist, but also opening up the meetings of governments, their advisory bodies and client groups to public scrutiny. Alternatively, it may involve access by individuals to files containing information about themselves – and an assurance that the information is not being used for improper or unauthorized purposes. It covers individual access to information, and the protection of information upon individuals from unjustified use. If individual access to such information is too costly, or too sensitive or not worth the effort because of public apathy, or because there is little public feedback of views or ideas to inform specialists or decision-makers, is this an argument against freedom of information? Alternatively, is it an argument in favour of the provision of essential and unadulterated information to bodies that we trust, so that they may check the policy-making process, render that process accountable, and report on their findings?

The reason for coining the phrase "Information Society" was to evaluate the essence of the advanced computerized world. From financial markets to government, from national security to education, from multinational corporations to small employers, from police to social welfare, medical treatment and social services, we are confronted by information repositories and retrieval systems



whose capacity to store and transmit information is staggering. If we study the constitutional history of Britain then we will find that parliament's desire to know about who counseled and advised the monarch in the formulation of policy was a major factor in the struggle between Crown and Parliament. What is novel in our society, however, is the heightened awareness of the use, collection, dissemination or withholding of information. Our capacity as human beings to acquire, use and store information is essential for our survival. This might appear a tall claim for something, which in English law cannot be the object of theft. At a practical level, disasters are avoided, accidents prevented and sustenance provided by our use of information. Hamlet's tragedy was that he was accurately informed; Othello's that he was not. While information itself is important, our ability to discern the degree of the reliability of the information provided is essential in the exploitation of resources or relationships, or in the exposure of sham.

OBJECT OF THE ACT

Pursuant to the 77th report of the Parliamentary Standing committee headed by Sri Pranab Mukherjee and in order to promote, transparency and accountability in administration, Parliament passed Right to Information Bill, 2004 on 15 June 2005, "The Right to Information Act" was notified in the Gazette of India on 21 June 2005, after repealing the Freedom of Information Act, 2002. The "Right to Information Act" has become fully operational from 12th October, 2005 so as to enable a citizen of India to secure access to information under the control of Public Authorities.² This law satisfies a long standing demand of the people raised through various peoples' movements, and gives content and meaning to the right to information recognized since 1973 by the Supreme Court as a concomitant of the fundamental right to freedom of speech and expression guaranteed under Article 19(1)(a).³ It is enacted to provide for setting out the practical regime of right to information for citizens. The Act applies to all States and Union Territories of India, except the State of Jammu and Kashmir - which is covered under a State-level law. The RTI Act is unique as it shifts the responsibility from appellant to respondent. India adopted the FOIA-style legislation like the United States. However the RTIA is broader in scope. While the US FOIA applies only to national government, the RTIA applies to all of India's state and local governments as well. Under the provisions of the Act, any citizen may request information from a "public authority" which is required to reply expeditiously or within thirty days, thus making the Government and its functionaries more accountable and responsible.⁴

RIGHT TO INFORMATION

The Act defines "right to information" as the right to access information accessible under the Act which is held or under the control of a public authority⁵. Section 3 of the Act provides that subject to the provisions of the Act, all citizens shall have the right to information. The question that then arises is against whom is this right enforceable. The right to information conferred on citizens by the Act is enforceable against public authorities. "Public authority" is defined in Sec.2 (h)⁶ of the Act.

Since the provisions of the Act are applicable only to public authorities as defined in Sec. 2(h), of the Act imposes certain obligations⁷ on public authorities cataloging, indexation and computerization of records within a reasonable time. Public authorities are mandated by the Act to periodically publish information regarding its organization, employees, rules, regulations, remuneration received by its employees, budgetary allocations, proposed expenditures etc. The Act provides for *suo motu* provision of information to the public through various media.

PUBLIC INFORMATION OFFICERS (PIO)

The Act provides for constitution of an executive wing to enforce the right to information conferred on citizens by the Act. Every public authority is required to appoint public information officers (PIO) for providing information to persons requesting information under the Act.⁸ A PIO shall receive and dispose of applications seeking information in accordance with and within the time frame prescribed in of the Act.⁹

²http://rti.gov.in/rticorner/RTI_methodology%5B1%5D.pdf

³S. P. Sathe, Right to Information, at p. 1.

⁴http://en.wikipedia.org/wiki/Right_to_Information_Act

⁵Sec. 2 (j) of RTI Act, 2005

⁶Sec. 2 (h) of RTI Act 2005, "public authority" means any authority or body or institution of self-Government established or constituted:

- a) by or under the Constitution;
- b) by any other law made by the Parliament;
- c) by any other law made by the State legislature;
- d) by notification issued or order made by the appropriate Government, and includes any:
 - (i) body owned, controlled or substantially financed;
 - (ii) non-government organization substantially financed, directly or indirectly by funds provided by the appropriate Government

⁷Sec. 4 of RTI Act 2005

⁸Sec. 5 of RTI Act 2005

⁹Sec. 6 & 7 of RTI Act 2005



EXEMPTION FROM DISCLOSURE OF INFORMATION

Sec. 8 of the Act sets out certain information that is exempt from disclosure. When a request is made to a public authority seeking information that falls within any of the following categories, Sec. 8 exempts a public authority from the obligation of disclosure:

- Information that would affect the sovereignty and integrity of India, the security, strategic, scientific or economic interests of the State, relation within foreign state or lead to incitement of an offence;
- Information expressly forbidden by any court of law or disclosure of which may constitute contempt of court;
- Information, the disclosure of which would cause breach of privilege of Parliament or state legislature;
- Information including trade secrets or intellectual property, the disclosure of which would harm the competitive position of third parties;
- Information available to a person in his fiduciary relationship;
- Information received in confidence from a foreign Government;
- Information that would endanger the life or physical safety of any person or identify the source of information or assistance given in confidence to a law enforcement agency;
- Information that would impede the process of investigation;
- Information which relates to personal information the disclosure of which has no relationship to any activity or interest, or which would cause unwarranted invasion of privacy of the individual;
- Where disclosure of information would involve an infringement of copyright subsisting in a person other than the State.

However, a public authority:

- Notwithstanding the exemptions listed above, may disclose any information listed above, if public interest in disclosure outweighs the harm to the protected interest.
- Can deny access to information only if the information falls within any of the categories stated in Sec. 8.

The Act does not restrict the manner in which an applicant can use information supplied by a public authority under the Act.

Third Party Information

Where the information that is sought to be accessed from a public authority relates to or has been supplied by a third party, the PIO is required under Sec. 11 of the Act of the Act to notify such third and invite its submission. The submission of the third party shall be kept in view by the public authority while deciding on the disclosure of information. Where such disclosure relates to commercial secrets of a third party, a public authority can decline access to such information.

CENTRAL AND STATE INFORMATION COMMISSIONS

Constitution: The Act envisages the constitution of Central and State Information Commissions.¹⁰ a Chief Information Commissioner assisted by such number of Central Information Commissioners, who shall be appointed by President of India, shall head Central Information Commission. Similarly, State Information Commission shall be headed by a State Chief Information Commissioner assisted by such number of State Information Commissioners, who shall be appointed by Governor.

POWERS OF THE COMMISSION¹¹

The Act casts a duty on the Information Commission to receive and inquire into complaints from any person:

- Who has been unable to submit a request for information to a public authority because a PIO has not been appointed;
- Who has been refused access to information;
- Who has received no response to his application seeking information, within the time frame specified by the Act;
- Who considers the fee charged by the public authority to divulge information, unreasonable;
- Who believes that he has been given incomplete, misleading or false information under the Act;
- In respect of any matter relating to access to records under the Act.

While an Information Commission is inquiring into any matter, it shall have the same powers as are vested in a civil court while trying a suit in the following matters:

¹⁰Sec. 12 & Sec. 15 of RTI Act, 2005

¹¹Sec. 18 of RTI Act, 2005



- Summoning and enforcing the attendance of persons and compelling them to give evidence and/or produce documents;
- Requiring discovery and inspection of documents;
- Reception of evidence on affidavits;
- Requisitioning any public record or copies thereof from any court or office;
- Issuing witness summons.

During the inquiry of any complaint under the Act, the Commission shall be entitled to examine any record, which is under the control of the public authority, and the public authority shall not be entitled to withhold any such record on any ground(s).

APPEALS¹²

A two-tier appeal mechanism is provided under the Act for persons who do not receive information from a PIO or who are aggrieved by a decision of the PIO.

First Appeal: A first appeal shall lie to an officer who is senior in rank to the PIO in the concerned public authority within 30 days from the expiry of the prescribed time limit or from the receipt of the decision of the PIUO.

Second Appeal: An order passed by the first appellate authority is appealable under the Act. The second appeal shall lie to the Central or the State Information Commission, as the case may be. The second appeal shall lie within 90 days from the date of decision of the first Appellate Authority.

Burden of Proof: Sec. 19 (5) provides that in any appeal proceedings, the onus to prove that a denial of a request for information was justified shall be on the PIO who denied the request. In its decision, the Information Commission is empowered to require the public authority to secure compliance of the provisions of the Act by:

- Providing access to information requested,
- Appointing a PIO,
- Publishing certain categories of information,
- Making changes to its practices relating to maintenance, management and destruction of records,
- Enhancing the provision of training of its officials on the right to information,
- Directing the public authority to pay compensation to the complainant,
- Impose penalties,
- Reject the application.

PENALTIES

The Act empowers an Information Commission¹³ to impose a penalty of Rs. 250/- per day (not exceeding Rs. 25,000/-) in the following cases, until an application requesting information is received or till such information is accepted:

- Not accepting an application seeking information;
- Delaying disclosure of information without reasonable cause;
- Malafide denial of information;
- Knowingly giving incomplete, in correct or misleading information;
- Destroying information that has been requested;
- Obstructing furnishing of an information in any manner.

In addition to the imposition of penalty or errant PIOs, the Information commission is also empowered to recommend disciplinary action against the erring PIO. However, no such punishment/penalty shall be imposed without giving the PIO an opportunity of being heard.

MISCELLANEOUS PROVISIONS

- Bar of jurisdiction of Civil Courts in respect of any order made under the Act,
- The provisions of the Act are inapplicable to intelligence and security organizations specified in the Second Schedule,
- Monitoring and reporting.

¹²Sec. 19 of RTI Act, 2005

¹³Sec. 20 of RTI Act, 2005



CONCLUSION

It is too early to say whether RTIA will be a "great and revolutionary act." Whether the RTIA fulfills the hopes of the people of India hinges largely on how it is implemented. It is difficult to predict whether India is at last at the verge of the passage of a landmark law, which would explicitly guarantee the people's right to information. The rapid legislation of FOIA-style laws in many countries both developed and developing has caused increasing problems of implementation. However, the implementation in India has been examined more persistently and stubbornly than any other country. Corruption and mismanagement have been reduced and the governmental responsiveness has improved according to the reports as the civil society organizations and common men have started using the RTI Act. Provisions in the law to promote "proactive disclosure" of key information are often disregarded. It has been seen that due to the non-compliance by public officials the number of cases complaining for the same have quieted down making the commissions to struggle, which are established for the enforcement of law.

If these challenges were not adequately grappled then it would mean that the law is meant to serve only those people who are wealthy and have knowledge and resources to get the law enforced in their favour. The same has been seen in many other countries also where a law was adopted to meet and serve progressive aims in public interest ultimately serves interests of already advantaged people by reinforcing their position. Like the other countries, in India also, the advocates of RTI Act have been continuously facing attempts of amending the Act, launched from the ministers and bureaucrats to restrict the right to information.

Bureaucratic habits as well as administrative practices in India are built up over decades owing to traditions and British colonial rule. Indeed, it is to some extent still true that India is struggling with administrative system. Introduction of Right to Information Act in India is a good practical with FOIA-style laws. This is because of mainly two reasons: the vast population of the country who is going to be benefitted and much more difficult circumstances under which the law is introduced as compared to the other nations who had adopted it earlier. Numberless challenges are still waiting to come across and the adoption of an FOIA-style law is merely a step towards the long way to transparency. This is not possible until the judiciary in the country; especially the higher judiciary recognizes its responsibility towards the people's right to information. Because, ultimately it will be one best way for judiciary maintain the confidence and trust of the common man of the country in it.

SUGGESTIONS

The role of the Information Commission has to go beyond the Hearing of the appeals. As per the Act, they are expected to issue orders/directions to the Public Authorities to carry out their duties as per the mandate of the Act. However, until the time Information Commission assumes the role of ensuring the compliance of the RTI Act by the various Public Authorities, there would not be any control mechanism.

The efforts made by appropriate Governments and Public Authorities have been restricted to publishing of rules and FAQs on websites. As compared to RTI Act, the common citizens (and disadvantaged communities) are significantly more aware of other Government schemes focused on socio-economic development. Analyzing the issues highlighted in the section, it is clear that the appropriate Governments and the Public Authorities have taken inadequate steps to make the RTI process citizen-friendly.

The process of RTI application submission should be so designed as to suit the needs, aspirations and convenience of the citizens. The quality of response provided can be a direct consequence of the record management practices within the Public Authority, the transparency in its processes, the training provided to the concerned PIO, drafting of the RTI application itself.

The higher judiciary should understand its responsibility towards the nation. They must know that how much trust the people of this country repose on them and they must keep themselves above any sort of suspicion. Ultimately, government of India consists of three wings, i.e., Legislative, Judiciary and Executive. Hence, judiciary, irrespective of higher or lower, is well within the need for transparency. Our higher judiciary should understand this fact. It is the right time the judiciary to introspect and save its independence, which it itself has established as part of the basic structure of the Constitution of India.

There is a need to make the laws stringent against the public officers erring in giving the information under this section. An amendment should be made in Cr. P. C. so as to make a provision for appeal under the cases in which disclosing of information is denied or is given wrongly by the public authority. The District court should be given power to hear the appeals under such cases.

An amendment in section 166 of Indian Penal Code should be made so as to punish the public officers who try to conceal the relevant information and give wrongful, mala fide and misleading information. Failure to provide information by a public servant must be considered as a non-bailable offence as well as a provision service degradation should be there.

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'GROWTH OF FM' CHANGING FACE OF COMMUNITY RADIO: THE NEW VOX POPULI OF INDIA

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ABSTRACT

FM Radio is a device that can influence to its listeners in worldwide areas. It has capacity to increase one's knowledge, ideas, and understanding on any issue while maintaining personal relationship with its transmission. Its listeners interact with their environmental subjects by a medium. It can also be noteworthy, such as bringing change into a person's attitudes, culture and can cause for social change.

Community radio as a medium that gives voice to the voiceless people in the present scenario. It is serves as mouthpiece of marginalized and is at the art of Communication revolution process in our society. With community, radio people from rural areas have the means to make their views on decisions that concern them.

The notions of Transparency and good Governance take on new dimensions and democracy is reinforced. Modern-day community radio stations often serve their listeners by offering a variety of content that is not necessarily provided by the larger commercial radio stations.

Community radio stations may carry news and information programming geared toward the local area, particularly immigrant or minority groups that are poorly served by other major media outlets. More specialized musical shows are also often a feature of many community radio stations. Community stations can be valuable assets for a region. Community radio stations typically avoid content found on commercial outlets, such as Top 40 music, sports, and celebrity chitchat.

The pioneering experience from which today's community radio has evolved began some 50 years ago in Latin America. There are more than 30,000 thousand community radio stations in the world. In India, broadcasting began in July 1923 with programmes by the Radio Club of Bombay and other radio clubs. It started with two-tier system of broadcasting, namely national and regional. However today they are four tiers of broadcasting with the addition of local radio station and community radio station.

Nowadays community radio is the most affordable and prime electronic medium for voiceless people in the world. The last two decades have seen a rapid expansion in the numbering and popularity of community radio station come up in the world. Here my objective and aim is to find how community radio is an effective tool in the society.

KEYWORDS

Community Radio, Communication, Community, Development etc.

INTRODUCTION

Over 75% of people live in rural areas of developing countries. In most agricultural communities live in rural areas. In these rural areas, one finds that there is a direct relationship between agricultural and rural development. This comes about by the fact that most people in rural areas depend on agriculture for their livelihood.

Because such a large population lives in rural areas, they are often the birthplace of trends and events, which will have a major impact on cities later on. For example, food is grown there to feed the whole nation and droughts, diseases and infestations to crops are first felt there. Even research meant for better farming practices is tested there. Therefore, there is need to keep the communities informed of what is happening in and around them in order for them to adapt to varying situations.

In this breath, Community radio has vital role in spreading knowledge in traditional societies, where crossing education was just a dream. By regularly broadcasting programs on agriculture issues, health problems and on various social, cultural and moral evils.

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CONCEPT OF COMMUNITY RADIO

The prime role of community radio is giving a voice to people who do not have access to mainstream media to express their views on community development. Promoting the right to communicate, expediting the process of informing the community. It also upholds creative growth and democratic spirit at the community level.

OWNER OF COMMUNITY RADIO

Community radio stations are operated, owned, and influenced by the communities. They are generally nonprofit and provide a mechanism for enabling individuals, groups, and communities to tell their own stories, to share experiences and in a media-rich world, to become creators and contributors of media. It is completely free from the clutches of the market; profit motive in its functioning does not hold water.

In many parts of the world, community radio acts as a vehicle for the community and voluntary sector, civil society, agencies, NGOs and citizens to work in partnership to further community development aims, in addition to broadcasting.

“A community radio station is one that is operated in the community, for the community, about the community and by the community. The community can be territorial or geographical – a township, village, district or island. It can also be a group of people with common interests, who are not necessarily living in one defined territory. Consequently, community radio can be managed or controlled by one group, by combined groups, or by people such as women, children, farmers, fisher folk, ethnic groups, or senior citizens.” - Louie Tabang, 2002 (Tabang is a pioneer in the concept and practice of community radio).

COMMUNITY RADIO IN WORLD

The pioneering experience from which today's community radio has evolved began some 50 years ago in Latin America. Following this other part of world like Bolivia, Colombia, South Africa, Kenya, Nepal etc., backward place people have heard the voice community radio. The last three decade have seen a rapid expansion in the number of Community radio stations in the world. Now at present, there are more than 30,000 thousand-community radios stations are air their programmes across the world and involving millions of local people every day.

COMMUNITY RADIO IN INDIA

In India, the community radio began in the mid-1990s, soon after the Supreme Court of India ruled in its judgment of February 1995 that "air waves are public property". This inspired groups across the country; however, only educational radio stations were originally permitted under a number of conditions.

Anna FM was India's first campus "community" radio station Launched on 1 February 2004, it is run by the Education and Multimedia Research Centre (EMMRC); almost all programmes are produced by Media students of Anna University. On 16 November 2006, the government of India implemented new Community Radio Guidelines, which permit to NGOs and other organizations/trust to own and operate community radio stations.

By end of April 2012, the Ministry of Information and Broadcasting had received a total of 1150 community radio license applications. Out of these, Grant of Permission Agreements (GOPA) had been signed only 161 applicants. Now 126 community radio stations were on air.

In fact, going by the official ministry data, out of these operational radio stations, 81 belong to the educational sector, six to state agricultural universities, four to Krishi Vigyan Kendra's and 41 run by the NGOs.

From April 1, 2012, the Ministry of Communications and Information Technology has hiked the annual spectrum fees Rs. 19,700 to Rs. 91,000. This will set back for newly coming community radios. Against the government decision widespread protest from functional community radio stations, support bodies like Community Radio Forum.

For this crucial financial crisis and conditional rules and regulation by the government, still now Community radio moments successfully take place in India.

IN KARNATAKA

After almost a decade-long campaigning for a 'three-tier radio broadcasting system' in Karnataka by some media activists. Community radio marked its presence in 2006, after getting a nod from the Central Government.



At present 12 Community, radios are operating in Karnataka. Radio Siddhartha 90.8 CRS is one among them.

Siddhartha Radio radiating on the frequency 90.8 FM began its operation on May 6, 2010. This is also a campus radio located in Tumkur. It is successfully functioning under the Sri Siddhartha Center for Media Studies Tumkur. It is reach to 25-30 Km radius surrounding area of Tumkur district.

OBJECTIVES OF PAPER

The specific objective of the study was to study as to how many listen Radio Siddhartha.

To study at what time people listened to radio and what kind of programmes they liked.

To study the favourite programmes of Radio Siddhartha and to know what kind of programmes that listeners like on the community radio station.

PARTICIPANTS

50 per cent audiences live in Tumkur City and surrounding 24 rural areas.

TRANSMISSION TIME AND DURATION

Morning 6 am - 9 am, Afternoon 12 - 2 pm and evening 6 pm – 9 pm.

Total broadcast of 9 hours in a day.

PROGRAMMES

The main thrust areas of 90.8 FM Radio Siddhartha is to broadcast rural centric community based programmes such as:

Health, hygiene, anti-smoking, aids, gender sensitization, environment and other issues related to local communities.

Phone-in Programmes with the experts on Health, Education, stress management, Environment, interpersonal relationship between parent and children, examination stress etc.

Spreading awareness among the students about various careers, career counseling and broadcasting other socially relevant programmes.

Broadcasting the programmes of campus and colleges such as seminars, workshops, lectures, discussions, debates, cultural functions etc., for the student communities.

Broadcasting different community based programmes with the help of community members residing in Tumkur and surrounding areas.

ANALYSIS OF SURVEY

We undertook a study to see how the popularity and effectiveness of such radio stations could be improved. We took suggestions from listeners about ways to improve content, took inputs from them about presentation of these programmes and explored ideas for popularizing the service. The study covered Radio Siddhartha – A community radio station of Tumkur. Only those who were regular listeners of the selected.

Community radio station programmes were selected as respondents, and were personally interviewed by the researchers. Regarding content, the respondents suggested increasing the number of quiz-based programmes on various issues and topics with attractive incentive to listeners, including discussion programmes based on local problems and issues with suggested remedies, broadcasting local and community level news. Starting phone-in programmes to give listeners a chance to express themselves on particular issue or problems, and air a song of their choice as well.

Organizing and broadcasting live competitive programmes held in the name of local personalities in various fields. Also including programmes based on Indian classical music, ragas, film songs and bhajans were among the other suggestions received.

Regarding presentation, the listeners suggested that interesting information could be provided on singers, lyricists, others while the songs associated with them were being played. Keeping in view the local taste, the formats followed by All India Radio, and Commercial FM Radio could be tweaked to suit community radio programmes the respondents suggested. They also wanted local issues and culture to be given emphasis, opportunities provided to local people to express themselves on local and current affairs, and intensive and complete information provided on various issues before these were discussed with experts on the radio programmes.



The respondents of the survey also suggested various ways in which community radio programmes could be popularized. These included telecasting programmes at set times and days specifically for people from backward class colonies, to suit their niche interests and tastes, and customizing programmes for target groups like senior citizens, young people, children, students, working women and housewives.

The respondents also suggested utilizing other popular mass communication media of the area might to boost community radio listenership. Door-to-door visits by volunteers to encourage participation in community radio station programmes were another suggestion.

The results of the survey demonstrated that there is scope to improve the content and presentation of community radio programmes. If programmes are designed according to the suggestions received, listeners will benefit and be encouraged to join the radio service's programmes and activities, thus making the initiative more popular as well as more useful to the community.

In India, where literacy remains a substantial barrier to development, radio especially community radio, can reach a large number of poor people because it is affordable and uses little electricity which is low supply in many countries and barely affordable for many poor. In 2000, AIR programmes could be heard in two-third of all Indian households in 24 languages and 146 dialects, over some 120 million-radio sets. Community Radio gives a voice to the community they serve with programmes in local languages, respecting local culture, traditions and interests. In addition, it facilitates dialogue within the community; while on a national level it encourages diversity, creativity and citizens' participation in democratic processes. Community Radio provides a counterbalance to the increasing globalization and commercialization of media. Most TV and radio stations, including public stations, are concentrated in urban areas.

In the more remote, rural areas, Community Radio stations are often the only media available, where they are listened to by large parts of the population. Community Radio stations fill the gap left by national and commercial media, and reach local audiences the national media ignore. They fulfill the role of public broadcaster, informing the public at a local level, and representing their views. In this way, they give a voice to the voiceless, enabling people to speak and make their opinions, grievances and ideas known to those who have the power to make decisions.

Community Radio for Agricultural Development

Agriculture has always been a highly knowledge-intensive sector requiring continuous information flow. Farmers' quest for authentic, credible and usable information from both established systems and traditional practices is ever increasing in this fluctuating global environment, to operate efficiently and compete economically. The rapid changes happening around with WTO/globalization, uncontrolled urbanization, uncertainty in climate change, discerning consumer segment and continued farm crisis emphasize the importance of timely, appropriate and need based information and knowledge to meet myriad developmental challenges.

Agricultural extension is the vehicle or system for delivering useful information to farmers and assisting those farmers to develop requisite knowledge, skills and attitudes to make use of this information or technology effectively. In recent times, advances in Information and Communication Technologies (ICTs) are revolutionizing agriculture extension by offering various technological options such as television, internet, mobile, telephony etc.

There is an interesting combination of approaches in the use of rural radio for agriculture extension. They are locally focused, using indigenous knowledge to build on local cultural and agro-ecological diversity, blending with technology and scientific innovation. In addition, a two-way communication of sharing farmers experience can be an interesting adaptation. Historically agriculture extension has often failed to communicate technical information to farmers in a way that has enabled it to be adopted locally. Thus, the combinations of approaches strike an effective balance between indigenous and scientific approaches to agricultural development.

However, using radio for agriculture extension is just one dimension, as rural radio can serve multiple roles of extending socio-economic development in rural areas such as health, nutrition, sanitation etc.

CONCLUSION

Even though there is a strong future for community radio. According to my opinion, the need of the hour is to liberalize the policy guidelines, which will encourage interested parties to set up more CRS.

CRS can help to empower and give a voice to the people of rural India. The success of CRS depends on the participation of the locales in the production process.



This is the platform for the voiceless people to raise their voices through various programs. Therefore, I conclude that CRS is the most effective tool for development and has created a communication explosion at the grass root level.

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QUESTIONNAIRE FOR SURVEY

To what degree respondents are exposed to the media - folk media, newspapers, movies, television, radio, any other please mention.

Are you aware of the "community radio" in your village? If yes, how did you come to know of it?

Do you listen to the programme of this radio? If yes, Where? - In homes, public spaces, groups or alone?

Is there any control of public listening contexts by people in leadership roles? Any formal/informal discussions following broadcast.

Are there any technical problems in reception of the programme?

Do you find the scheduling of the broadcast/narrowcast appropriate?

What about the language and format of the programme?

How frequently do you listen to community radio programmes?

Have you participated in any programme?

What issues are talked about in these programmes and how are they different from those in mainstream media? Are grassroots issues and indigenous ideas transformed into radio programmes? Are there avenues to give feedback?

Are you benefited through these - information, education, entertainment, etc.?

What kind of feelings does the programme generate?

Would you like to be on the programme? Have you visited the facilities any time?

Any problems encountered at the facility centre.

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PROBLEMS AND PROSPECTS OF WOMAN ENTREPRENEURS: A CASE STUDY OF SOMALI REGIONAL STATE OF ETHIOPIA

Dr. Perways Alam⁷ Tadele Wedaje Bayeh⁸

ABSTRACT

Women entrepreneurs are important trope in any emergent country, mainly in the terms of their responsibility to social- financial expansion in recent years, even among the developed countries like USA and Canada, woman's responsibility in terms of their share in small business has been rising. In Ethiopia, women own the majority of micro and small enterprises. However, the number of successful women entrepreneurs is much lower than the number of men. The reasons are due to challenges that women primarily face including limited access to finances, lack of knowledge on feasible business development poor management and their need to shoulder household and family responsibilities. In this study, weighted ranking method is applied to rank the problems faced by women entrepreneurs in Jigjiga. It inferred that the most number of the respondents have given first rank for financial problems; the respondents have given second rank for the problem of self- sufficiency. The third rank was social problems. The fourth rank was economic problems. The fifth rank was problems of social justice followed by other problems.

KEYWORDS

Women, Entrepreneurship, Financial Problems, Self Sufficiency etc.

INTRODUCTION

Women entrepreneurs are the most important trope in any emergent country, mainly in the terms of their responsibility to social-financial expansion in recent years, even among the developed countries like USA and Canada, woman's responsibility in terms of their share in small business has been rising. In Ethiopia, women own the majority of micro and small enterprises. However, the number of successful women entrepreneurs is much lower than the number of men. The reasons are due to challenges that women primarily face including limited access to finances, lack of knowledge on feasible business development poor management and their need to shoulder household and family responsibilities.

1.1 The Population of the Region

The population of the Somali Regional State is estimated at 4.7 million out of which 44 percent are females and the remaining 56 percent are males. The average household size in the region is 6.6. The urban population is estimated to be 14 percent of the total population. Average population density is calculated to be 13 persons per square km, with major variations among the Woredas of the region. Population density is highest in historically crop-growing areas like Jigjiga and the revering areas of Godey, Afder and Liban zones.

1.2 Livelihood of the Region

The vast majority of the population of the region is pastoralists and agro-pastoralists who are dependent on livestock and farming for their survival. The region has 17 rural livelihood zones, generically classified as pastoral, agro-pastoral, reverie and sedentary farming. The major sources of income include livestock and livestock product sales, crop sales, firewood and charcoal sales, petty trade and remittance from western living Diasporas of the region.

The researchers focused on how women are participating in small and medium businesses. The researchers are really astonished to know that women are participating very actively in supporting for themselves and their families by doing some entrepreneur activity by taking loan from the Women Empowerment Regional Bureau. The respondents are proud to share their experiences with the researchers.

The researchers developed an interview guide to take interview with the women. The researchers have taken interview with different kinds of businesswomen.

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STATEMENT OF PROBLEM

Entrepreneurship is one of the important factors of industrialization; in the absence of entrepreneurship, industrialization cannot take place. Entrepreneurs are playing an important role in the economic development of underdeveloped country. Women's skills, knowledge, their abilities in business, and a convincing desire of wanting to do something positive are some of the reasons for the women entrepreneurs to organize industries. According to World Bank, investing more in business of women rather in men leads to greater development of a nation. Empowering women in entrepreneurship leads to break the inequalities and reduces the poverty. Nowadays it has been realized that enterprising women have cast entrepreneurial talents, which could be harnessed to convert them from the position of 'Jobseekers' to 'Job givers'. The federal and regional government has realized the importance of women entrepreneurship. As a result, it offers a variety of programmes for women entrepreneurs.

The Somali Regional State is developing area in which some of the entrepreneurs shine in small-scale industry. Even though the government organizes women by various associations, they are not ready to undertake the business. As compared to men, women are less motivated to start business units due to some unwanted fear, lack of motivation and kind of activities. Thus, the study aims at undertaking the entrepreneurial development among women highlights their motivational forces and relationship between socio-economic background of women entrepreneurs, motivational factors and their existing entrepreneurial traits.

RESEARCH OBJECTIVES

The objectives of the study as follows:

To investigate into the major problems encountered by the sample respondents of the women entrepreneurs in general in Somali Regional State particularly in the Jigjiga

To suggest measures to overcome these problems so that women entrepreneurship in Somali Regional State in general and in Jigjiga in particular is promoted and strengthened effectively to achieve inclusive growth has great potential in Ethiopian environment.

SIGNIFICANCE OF RESEARCH

Because the research is a rigorous study based on primary and secondary data, therefore it is significant in many aspects; it will not only investigate and highlight the problems faced by female entrepreneurs but also reveal their perspectives regarding involvement of women in the business activities. Almost no research on the topic has yet been conducted so it may also clue the policy makers to plan sound policies based on the gaps identified by this study. In addition, it will also encourage the female population of Somali Regional State in general and Jigjiga specifically to be engaged in self-employment by understanding all of pertinent issues.

RESEARCH METHODOLOGY

The main aim of this study is to discover and define the major problems of women entrepreneurs and to highlight their perspectives. The Survey method was used to collect data and structured questionnaire was used as a tool to gauge views of respondents. Semi structured interviews were also conducted of those respondents who showed difficulties in completing the questionnaires. The survey was divided into six sections. These are as follows:

Self Sufficiency problems (personal),
Financial Problems,
Social Problems,
Economic Problems,
Social-Justice Problems,
Others.

Area of sampling was Jigjiga city. A sample covering of 150 respondents from almost all areas of the city was approached by using the "snow ball" sampling technique. The respondents were requested to provide the names and their addresses of other women entrepreneurs to whom they know. All these data are arranged in various form of tables and proposed to critically analyze with the help of a number of statistical tools. Percentage Analysis, Average, and Weightage Score are the various statistical tools applied.



LITERATURE REVIEW

Entrepreneurship

Entrepreneurship is a major source of employment and income both for women living in cities and in rural areas especially in low income countries. The activities can be those that are undertaken in the premises of the women's homes, on the streets in open markets or those who own enterprises to run and manage with employees under them (USAID, 2006).

Tambunan (2009) explained an entrepreneur as a self-employed person. Entrepreneurs are considered as vital factors in initiating and providing social and fiscal development. According to a research, the countries, which have large number of entrepreneurs, are more developed and are on route for advance compared to those countries, which have less percentage of the entrepreneurs (Rao, Rao and SuriGanesh, 2011).

"Push" and "Pull" factors are associated with entrepreneurship. Push factors are due to non-existence of employment opportunities, displeasure of working under regulation and unsupported governmental activities; on the other hand pull factors are the desire for self-fulfillment and attainment of personal goals (Singh et al., 2011). That is why; jobseekers are now turning into job creators (Palaniappan, Ramanigopal and Mani, 2012).

Women Entrepreneurship

Women play a key role by regularly interacting and energetically changing herself with socio-economic, financial and support spheres in society is called women entrepreneur (Pareek, 1992).

Tambunan (2009) has divided women entrepreneurs into three categories. First are entrepreneurs by chance. Second are entrepreneurs by forced and third entrepreneurs are created. These categories are based upon the fact that how they started their businesses. He said that women, who do not have any perfect goal or objective in their mind at the time of starting business, fall in the chance category as with time their businesses evolve from their hobbies. Forced entrepreneurship is the category for such women who start their businesses being constrained by circumstances. Whereas the women who start their businesses by being motivated or encouraged by others fall in the category of created entrepreneurs.

Women's entrepreneurship has the potential to significantly contribute to economic opportunity and employment creation in many developing countries. Empowering women economically has a ripple effect. It enhances the social status of women. It translates to better health outcomes and wellbeing for themselves, their families and the community as a whole. (ILO, 2014).

Problems & Prospects of Women Entrepreneurs

Despite the recognition of women's entrepreneurship development as a driver of economic opportunity/ empowerment and of its significant spillover effect to other areas of human development, several constraints are there that hamper women's entrepreneurship development. These relate as mentioned in the previous sections to the primary responsibility of reproductive and community roles that women have to fulfill that include activities such as child rearing and taking care of the elderly and the sick. Other constraints are lack of access to finance, training, markets, networks, discriminatory legal framework as well as the insufficient capacity of government, civil society, businesses and financial service institution to address gender inequality (USAID, 2006).

There have been many areas of progress in reducing gender disparities in many developing countries specifically in education and health but gaps persist in women's empowerment in the economic sphere (World Economic Forum, 2013). Women also have less education, limited business experience and fewer networks to leverage access to business resources, information and advice. (ILO2014).

Although over 136 countries have explicitly stated in their constitutions equality between men and women, there is still a long way to go for many developing countries about controlling property (IFC, 2014). The same report mentions that women do not have the same security in property rights as men. It notes that only 20 countries of the 136 do not have legal gaps in the economic rights of women and men. It further mentions that guaranteeing constitutional rights does not ensure equality where in many countries particularly in Africa and the Pacific, non-codified and customary laws override the formal written laws. The study gives the example of many African countries where married women are not entitled to land titles without their husband's authorization. Ownership of land remains with husbands while wives claim only to use it.

DATA ANALYSIS AND RESULTS

In the process of survey, it was seen that most of the respondents indicated more than one problem or a combination of several problems. Therefore, it was assumed that it better to use weighted ranks for identifying major problems faced by the respondents of women entrepreneurs. The major problems of faced by the women entrepreneurs were presented in the Table-1.

Table-1: Major Problems of Women Entrepreneurs

Serial No.	Major Problems	Ranks
1	Financial	I
2	Self Sufficiency	II
3	Social	III
4	Economic	IV
5	Socio Justice	V
6	Others	VI

Sources: Authors Compilation

It is evident from the Table-1 that major problems with which a majority of respondents confronted was financial problems, followed by self-sufficiency problems and marketing problems. Among the other major problems, educational, socio-cultural, technical and other problems etc. were important. Thus, it is clear that though almost all the women entrepreneurs faced all the problems, the intensity of different problems was varying in case of different entrepreneurs. Interestingly for most of the sample respondents, the self-sufficiency problems dominated than other problems. Certain psychological problems inferiority complex, low risk taking ability etc., occupied the last rank. Having broadly identified these major problems of sample respondents of women entrepreneurs, now an attempt is made to investigate these problems in detail by identifying the sub problems within. Tables 2, 3, 4, 5 and 6 presents the Financial, self-sufficiency, Economic & Social justice problems of the sample respondents.

Table-2: Financial Problems of Women Entrepreneurs

Serial No.	Major Problems	Number of Respondents	Weight	Total	Rank
1	Shortage of Capital	62 (41.33)	5	310	I
2	Lack of Collateral Security	41 (27.33)	4	164	II
3	Limited Working Capital	19 (12.67)	3	57	III
4	Heavy Interest Rates	15 (10)	2	30	IV
5	Others	13 (8.67)	1	13	V
	Total	150 (100)		574	

Sources: Authors Compilation

Note: Figures in bracket indicate percentages.

Table-3: Self-Sufficiency Problems of Women Entrepreneurs

Serial No.	Major Problems	Number of Respondents	Weight	Total	Rank
1	Health Problems	47 (31.33)	5	235	I
2	Excessive Burden of Work	39 (26)	4	156	II
3	Excessive Tension	30 (20)	3	90	III
4	Lack of Leisure Time	28 (18.67)	2	56	IV
5	Poor Risk Taking ability	06 (4)	1	06	V
	Total	150 (100)		543	

Sources: Authors Compilation

Note: Figures in bracket indicate percentages.

Table-4: Social Problems of Women Entrepreneurs

Serial No.	Major Problems	Number of Respondents	Weight	Total	Rank
1	Lack of Motivation	41 (27.33)	5	205	I
2	Education	40 (26.67)	4	160	II
3	Male Dominance	38 (25.33)	3	114	III
4	Traditional & Social Norms	28 (18.67)	2	56	IV
5	Others	02 (1.33)	1	02	V
	Total	150 (100)		537	

Sources: Authors Compilation

Note: Figures in bracket indicate percentages.

Table-5: Economic Problems of Women Entrepreneurs

Serial No.	Major Problems	Number of Respondents	Weight	Total	Rank
1	Non-Availability of Raw Material	51 (34)	5	255	I
2	Heavy Competition	30 (20)	4	120	II
3	Marketing	28 (18.67)	3	84	III
4	Lack of Technical Know-how	23 (15.33)	2	46	IV
5	Others	18 (12)	1	18	V
	Total	150 (100)		523	

Sources: Authors Compilation

Note: Figures in bracket indicate percentages.

Table-6: Social Problems of Women Entrepreneurs

Serial No.	Major Problems	Number of Respondents	Weight	Total	Rank
1	Equitable Discrimination	45 (30)	5	225	I
2	Social Discrimination	34 (22.67)	4	136	II
3	Exploitation & Suppression	30 (20)	3	90	III
4	Effective Enforcement of Special Legislations	27 (18)	2	54	IV
5	Others	14 (9.33)	1	14	V
	Total	150 (100)		519	

Sources: Authors Compilation

Note: Figures in bracket indicate percentages.

CONCLUSIONS

The weighted ranking method is applied to rank the problems faced by women entrepreneurs. It inferred that the most number of the respondents have given first rank for financial problems; the respondents have given second rank for problem of self-sufficiency. The third rank was social problems. The fourth rank was economic problems. The fifth rank was problems of social justice followed by other problems.

RECOMMENDATIONS

In the view of the above findings the following suggestions have been offered to make the entrepreneurship among the women as a meaningful, forceful and effective instrument not only for the economic improvement of women but also for the development of the entire nation.

Special schemes for credit to women entrepreneurs to be started to solve the financial problems.

Respondents stated several financial problems in relation to price fluctuations, non-availability of loans, funds and their release in time. Attention of the government as well as the voluntary organizations need to be drawn in rectifying these problems by making liberal assistance and gearing up the various facilities for enhancement of the status of women entrepreneurs.

Several problems were reported to be faced with government assistance, which included non-availability of guidance and advisory service in time etc. Obviously, these factors needed to be considered in re-framing and re-organizing woman entrepreneurship development programme in the country, which will not only benefit the entrepreneur but will be in the larger interests of the region and the country in achieving higher productivity and prosperity.

Women entrepreneurs associations and the Non-Government Organizations (NGOs) interested in the cause of promotion of economic empowerment of woman should play an active role in the implementation of income-generation schemes evolved by the federal and regional governments.

Serious efforts should be made for a maximum utilization of all available information and technologies for promoting the cause of women entrepreneurs e.g., by allocation of substantial time slots in television and other media.

6 The legislative measures for dealing with the problems of small-scale units run by women entrepreneurs should be relaxed and more liberal policies and attitudes should be adopted in these matters.

Most of women entrepreneurs faced the problems of marketing to overcome these problems, certain agencies/departments (Government and non-government) can provide raw materials and collect finished products from women entrepreneurs.

Adequate infrastructural support by one single coordinating or nodal agency to facilitate flow of adequate working capital, technology, electricity, land and marketing for women entrepreneurs may be helpful and mobile training centres should be opened. Post-training follow-up is vital for the success of entrepreneur development programmes.



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