

TABLE OF CONTENTS

CHAPTER-I INTRODUCTION

1.1	Introduction	1
1.1.1	MugaSilk	1
1.1.2	MulberrySilk	2
1.1.3	EriSilk	2
1.1.4	Tassarsilk	3
1.2	WomenEmpowerment	3
1.3	SilkIndustryas a source of WomenEmpowerment	6
1.4	SignificanceoftheStudy	7
1.5	StudyArea	8
1.6	SampleDesign	12
1.7	Objectives	12
1.8	Hypotheses	13
1.9	ResearchMethodologyandDataCollection	13
1.9.1	ClassificationofsilkworkersinSualkuchi	14
1.9.2	Divisionof silk firmsbased on theirSize	15
1.9.3	Structureofdata collection	16
1.9.4	Methodology for calculating Mean, Correlation and Regression	17
1.9.5	TimeforDataCollection	18
1.9.6	Limitation oftheStudy	18
1.10	ChapterSchedule	19

CHAPTERII

	REVIEWOFLITERATURE	20-28
2.1	Introduction	20
2.2	ReviewofLiteraturerelating toSilkIndustry	20
2.3	ReviewofLiteraturerelatingto WomenEmpowerment	24
2.4	ResearchGap	27

CHAPTERIII

SILK PRODUCTION OF INDIA AND ASSAMWITH SPECIAL REFERENCE TO SUALKUCHIVILLAGEANDENGAGEMENTOF WOMENINSILKINDUSTRY

29-53

3.1	Introduction	29
3.2	Worldsilkproduction	30
3.3	SilkproductioninIndia	32
3.3.1	India'sSilkexport	34
3.3.2	DomesticDemand ForsilkProductsinIndia	37
3.4	SilkProductioninAssam	40
3.4.1	Shareof	41
	AssamsilkproductiononIndia'ssilkprod uctionfrom 2012-13to 2016-17	
3.4.2	MugaSilkProduction inAssam	41
3.4.3	MulberrysilkProductioninAssam	43
3.5	SilkProductioninSualkuchiVillage	44
3.5.1	MugaSilkProduction inSualkuchiVillage	46
3.5.2	MulberrySilkProductiononSualkuchiVillage	47
3.6	SilkIndustryandWomen Involvement	48
3.6.1	FemaleInvolvementinSualkuchiSilkIndustry	50
3.6.2	FemaleEngagementinDifferentLivelihoodSectors	50
	ModelFor FemaleEmploymentGenerationinSilk Industry	52
3.7	Conclusion	53

CHAPTERIV

EMPLOYMENT, EDUCATION, INCOME ANDSOCIO-ECONOMIC EMPOWERMENT OFWEAVERSIN SUALKUCHI VILLAGE

4.1	Introduction	54
4.2	Socio-EconomicBackgroundoftheStudyArea	54
4.2.1	LiteracyRate at SualkuchiVillage	55
4.2.2	Male-FemaleRatioat SualkuchiVillage	56
4.2.2.1	ChangeinLiteracyRatefrom2001to2011	57
2.3	RateofWorking Populationin Sualkuchi Village	58
4.3	EmploymentGenerationthroughSualkuchiVillagein SilkIndustry	58
4.3.1	PercentageofMaleandFemaleWeaversinSualkuchi Village	58
4.3.2	NumberandRatioofSmallsize,MediumsizeandLarge sizefirms in Sualkuchi Village	60
4.3.3	NumberofMale-FemaleWeaversinVariousSizesofFirms	61
4.3.3.1	Male–FemaleWeavers’ratioinSmallsizefirmsin SualkuchiVillage	62
4.3.3.2	Male–FemaleWeavers’ratioinMediumsizefirmsin SualkuchiVillage	63
4.3.3.3	Male–FemaleWeavers’ratioamongLargesizefirmsin SualkuchiVillage	64
4.3.3.4	TotalMale–FemaleWeaversratioSilkfirmsin SualkuchiVillage	65
4.3.5	Thecontributionofoutside(migrated)weaversinStudy Area	65
4.3.4.1	RatioselectedforOutsideandLocalWeaversintheSmallSize Firms	66

4.3.4.2	Ratio selected for Outside and Local Weavers in Medium Size Firms	67
4.3.4.3	Ratio selected for Outside and Local Weavers in Large Size Firms	67
4.3.4.4	Reasons for More Outside weavers in Large size firms than Small and Medium size Firms	68
4.4	Income of Weavers in Silk Industry in Sualkuchi Village	69
4.4.1	Payment of the weavers	69
4.4.1.1	Payment of weavers (Plain design)	69
4.4.1.2	Payment of weavers (Guna-Suta mix design)	69
4.4.1.3	Payment of weavers (Only Guna design)	70
4.4.1.4	Payment of weavers (only Suta design)	70
4.4.1.5	Reason of varies payment	71
4.4.2	Average Monthly Income of the Sample Weavers	71
4.4.2.1	Man Days of the Weavers	71
4.4.2.2	Average days for the Outside Weavers	72
4.4.2.3	4.4.2.3 Average man days of the Local Weavers	72
4.4.2.4	Average Monthly income of the Surveyed Female Weavers	73
4.4.3	Comparison among Average Monthly savings between of the Surveyed Local & Outside Female Weavers	75
4.4.4	Duration involved with weaving and average income of the female weavers	76
4.5	Socio-Economic Empowerment of Weavers in Silk Industry in Sualkuchi Village	78
4.5.1	The Standard of Living of the Surveyed Weavers	78
4.5.1.1	Educational Status of the surveyed Weavers	78
4.5.1.1.a	Relationship between weavers' income and education	79
4.5.1.2	Marital Status of the Surveyed Weavers	80
4.5.1.3	Housing conditions of the weavers in the Study Area	81
4.5.1.4	Living conditions of the sample weavers	81

4.5.1.5	Useofconsumer'sdurablecommoditybythesample weavers	82
4.5.2	Weaver'sbankrelateddecisionmakingpower	83
4.5.2.1	NumberofSampleWeavershavingandnothavingBank Account	83
4.5.2.1.a	NumberofSingleandJoint bankaccountof the weavers	84
4.5.2.2	ModeofBankAccountOperation	85
4.5.2.3	Weaverswithand withoutATM Cards	86
4.5.3	AnEmpiricalAnalysisAbouttheDecisionMaking PowerAmongtheSurveyedFemaleWeavers	87
4.5.3.1	Weaversdecisionstrengthregardingpropertypurchase	87
4.5.3.1.a	MobilePhoneusedby theweavers	89
4.5.3.1.b	UseMobile internetby theweavers	90
		91
4.5.3.2	DomesticBehaviouralInvolvementDecisionMakingP owerofthe SurveyedWeavers	91
4.5.3.2.1	WeaversDecisionpowerregardinghernecessary commoditypurchase	91
4.5.3.2.2	Weaversdaytodaymarketing decision	92
4.5.3.2.3	Weaverscookingrelated decisions	93
4.5.3.2.4	Childbirthrelateddecisionmakingpowerofthe weavers	93
4.5.3.2.5	ChildrenOrientedDecisionMakingpowerofthe SurveyedWeavers	95
4.5.3.5.1	DecisionregardingChoiceofchild'sschool	95
4.5.3.5.2	DecisionsRegardingOfferingNewClothsstoWeavers ChildrenduringFestival Season	95
4.5.3.5.3	DecisionsRegardingChildrenFoodtotheWeavers	96
4.5.3.6	AwarenessRegardingtheSocietyamongtheSurveyed Weavers	96
4.5.3.6.1	Weaversreaddailynewspaper	97
4.5.3.6.2	Weaver'svotingrelateddecisionMakingPower	97
4.5.3.6.3	Weaver'sparticipationonpublicmeetings	98

4.5.3.7	Freedom of Women to go Outside Home	100
4.5.3.7.1	Purpose of Going Outside from Home	102
4.5.4	Graphical Representation of Summary of Surveyed Weavers Empowerment on Various Fields	103
4.5.4.a	Hypothesis 1: Silk industry promotes women empowerment	103
4.6	Training and Productivity of the Surveyed Weavers	105
		105
4.6.1	Trained and Untrained Weavers among the Surveyed weavers	
4.6.2	Productivity of the Trained and Un-Trained Weavers	105
4.6.2.a	Hypothesis 2: There is no significant impact of training on productivity of the weavers	
4.7	Production Behavior, Efficiency and Financial Parameters of the Weavers in Silk Industry in Sualkuchi	107
4.7.1	Average Man-Hours, Average Monthly Man-days and Average Monthly Income of Surveyed Weavers	107
4.7.2	Experience and productivity of the Surveyed female weavers	107
4.7.3	Seasonal Productivity of the weavers	108
4.7.4	Training and Productivity of the Surveyed Weavers	108
4.7.5	Education and Productivity of the surveyed weavers	108
4.7.6	Efficiency among Male and Female Weavers	109
4.7.7	Average Monthly savings	110
4.7.8	Expenditures made by the surveyed weavers	110

4.8	Income Discrimination in Silk Industry	111
4.8.1	Income Discrimination between Male and Female Weavers	111
4.8.2	Income Discrimination between Local and Outside Female Weavers	111
4.9	Conclusion	111

CHAPTER-V

	GOVERNMENT POLICIES FOR SILK INDUSTRIES AND ITS BENEFITS FOR FEMALE WEAVERS	115- 138
5.1	Introduction	115
5.2	Government plan and policies	116
5.2.1	Central Silk Board	116
5.2.1.1	Central Silk Board (CSB) Administration	117
5.2.1.2	Functioning Of Central Silk Board	117
5.2.1.3	Functions of ISDSI	118
5.2.1.3.a	Research & Development, Training, Transfer Of Technology And I.T. Initiatives	118
5.2.1.3.b	Training	119
5.2.1.3.c	Transfer of Technology (TOT)	120
5.2.1.3.d	Seed Organisation	120
5.2.1.3.e	Coordination and Market Development	120
5.2.1.3.f	Quality Certification System, Export Brand Promotion & Technology Upgradation	121
5.2.2	Sericulture Development Schemes by Central Silk Board (CSB) In North-Eastern States	121

5.2.3	NorthEastRegionTextilePromotionScheme (NERTPS)forSericulturesupport/developmentinNorthEas- tRegion	122
5.2.3.1	Fundingpatternunder IBSDP	127
5.2.3.2	NERTPSfinancialattachmentforIntegratedSericulture DevelopmentProject(ISDP)	127
5.2.4	CentralMuga Eri Research and Training Institute (CMER&TI)	128
5.2.4.1	Mandateofthe Institute	128
5.2.4.2	ActivitiesoftheCentral MugaEriResearchandTraining Institute	129
5.2.4.2.1	MugaRawMaterialBank	129
5.2.5	“IntegratedSchemeforDevelopmentofSilkIndustry” (ISDSI)	129
5.2.5.1	Financiallayout	130
5.2.5.1.1	Ideaaboutthescheme	130
5.2.5.a	Improvementovertheearlierscheme	131
5.2.5.b	ImpactofCentralMuga Research andTraining Institute	132
5.3	GovernmentSilkPoliciesandbenefitsofFemale weavers	132
5.4	SilkRelatedTrainingcentrein Sualkuchi	135
5.5	Conclusion	138

CHAPTER-VI

PROBLEMSFACEDBYTHESILKWEAVERSINSUA LKUCHIVILLAGE	139- 167	
6.1	Introduction	139
6.2	EducationaldrawbacksoftheWeaversinthe StudyArea	140
6.3	Non-Existenceof Price Control ofSilk Yarn	141
6.4	HeavyWorkPressureof theWeavers	142
6.5	WeaversHealthRelatedProblems	143
6.5.1	EyeRelatedProblems	145
6.5.2	WeaversPainRelatedProblems	146

6.6	Problem Related with Pure Drinking Water in Work Place	148
6.7	Sanitary Facilities of the Weaver on workplace	149
6.8	Lack of Electricity Facility on WorkPlace	151
6.9	Wage Structure of the Weavers	153
6.9.1	Satisfaction level of the weavers regarding payment structure	155
6.10	Festival bonus scheme	155
6.11	Healthcare Facilities of the Weavers	156
6.12	Pension Schemes for the Weavers	158
6.13	Use Traditional Techniques	158
6.14	Lack of development and Training	159
6.15	Housing Facility of the Weavers in the Study Area	159
6.15.1	Housing Facility of the Weavers Lived On Their Own House	160
6.15.2	Housing Facility of the Weavers Lived on the House provided by the Owner	161
6.15.3	Housing Facility of the Weavers Lived On the Rented Houses	162
6.15.4	A Comparison among the living conditions of the weavers in case of their Own House, Owners House and Rented House	163
6.16	Sexual Harassment at workplace	164
6.17	Prospects of Silk Weaving in Sualkuchi Village	165
6.18	Conclusion	165

CHAPTER VII

	SUMMARY OF FINDINGS, CONCLUSION AND SUGGESTIONS	168-198
7.1	Introduction	168
7.2	Major Findings of the Study	171
7.2.1	Comparision between World and Indian silk production	171
7.2.2	Export of Silk from India	171
7.2.3	Silk Production in Assam	172
7.2.3.1	Muga Production in Assam	173
7.2.3.2	Mulberry silk Production in Assam	173
7.2.3.3	Eri Silk Production in Assam	174
7.2.4	Silk Production in Sualkuchi Village of Assam	174
7.2.4.1	Muga Silk Production in Sualkuchi Village	174
7.2.4.2	Mulberry Silk Production on Sualkuchi Village	175
7.2.4.3	Division of the silk firms based on their Size	175

7.2.4.4	MalefemaleRatioin Sualkuchi	176
7.2.5	ResultsandFindingsdrawnfromtheSurveyedWeavers	176
7.2.5.1	Educationoftheweavers	176
7.2.5.2	MaritalStatus	176
7.2.5.3	StandardofLiving	176
7.2.5.4	PaymentStructure	177
7.2.5.4.a	AverageMan days income	178
7.2.5.5	WorkExperienceand Incomelevel	178
7.2.5.6	BankAccount	178
7.2.5.7	DecisionMakingPower	179
7.2.5.8	SocialAwareness	180
7.2.5.9	Freedomtogooutside	180
7.2.5.10	Training IncreasestheProductivityoftheWeavers	181
7.2.6	ProblemsdealswithSilkIndustryinSualkuchiSilk Weavers	181
7.2.7	Governmentalso makevarious policiesto develop Silk Industry	184
7.3	RecommendationstoDeveloptheSilkIndustry	185
7.4	Conclusions	187
	BIBLIOGRAPHY	189
	Questionnaire	198

