Women work-force in Agriculture and Rural Development: Issues and Challenges

Pradhyuman Singh Lakhawat¹, Poonam Singh²

¹Assistant Professor, Department of Business Studies, SHUATS, Prayagraj, pradhyuman.sngh@gmail.com ²Assistant Professor, Department of Commerce, SHUATS, Prayagraj

Abstract

The ILO assesses those rural women include a fourth of the total populace. Ladies additionally make up 41% of the world's rural workforce, a proportion which ascends to 49 percent for low pay nations. Rustic ladies fill in as ranchers, breadwinners and business people. They address a significant portion of the agribusiness labor force. Their social and financial strengthening can intensely affect usefulness and agribusiness drove development. Orientation disparities in the rural area are critical however hard to evaluate. As ladies are gathered in both neglected consideration and house hold work and their job in resource cultivating is regularly unremunerated, their commitment to the country economy is broadly underrated. Ladies from neighborhood, native and ancestral networks are regularly caretakers of conventional information that is key for their networks' occupations, versatility and culture. Their commitments are exceptional and essential particularly with regards to normal assets the executives, farming and ranger service areas that are basic for both moderation of, and variation to environmental change. Country ladies are gathered in lowgifted, low efficiency, and low or neglected positions with long working hours, helpless working conditions and restricted social assurance. They are bound to fill in as neglected contributing relatives which implies their work is to a great extent unnoticed or underestimated. They are most dynamic in the casual rustic economy and are definitely more outlandish than men to take part in provincial compensation business (both horticultural and non-rural). Whenever they take care of business for compensation, rustic ladies are bound to be utilized in low maintenance, occasional, and time-and work serious exercises. Present survey examination attempting to uncover the condition of ladies work-power in rural regions or semi-rural portions of the country. Paper is likewise zeroing in on the issues like Creating fair positions, business venture preparing and admittance to back, safeguarding provincial ladies from unsuitable types of work, upgrading social insurance, guaranteeing their voices are heard and shutting the portraval hole are key components required for extraordinary activity.

Keywords: Women work-force, Rural Women Employment, Women Worker Harassment, Women's Contribution, Women Empowerment, Women Development.

SMS Journal of Entrepreneurship & Innovation (2021)

DOI: 10.21844/smsjei.v8i01.30009

Corresponding Author: Pradhyuman Singh Lakhawat, Assistant Professor, Department of Business Studies, SHUATS,

Prayagraj, pradhyuman.sngh@gmail.com

How to cite this article: Lakhawat Pradhyuman Singh, Singh Poonam (2021). Women work-force in Agriculture and Rural Development: Issues and Challenges. SMS Journal of Entrepreneurship & Innovation. 2021; 8(1): 92-101 Source of support: Nil.

Conflict of interest: None



Introduction

Indian economy is Agriculture based economy; Indian economy and its development rely on the essential area. As such, we can say that horticultural and associated areas are significant motor of financial and social development and neediness reduction. In any case, sadly, this area is thoroughly relying on the climate and climatic circumstances in our country. Because of such reasons this section is failing to meet expectations in numerous areas.

As indicated by the reports of UNDP in year 2018 that horticulture is one of the most boundless exercises on the planet and plays a fundamental part in development of harvests, food creation, natural and ecological assurance, scene safeguarding, rustic turn of events and provincial business and food handling and security. Be that as it may, when we are looking towards orientation perspective in this area, there are huge holes among ladies and men occupied with this area.

Same report likewise uncovered that overall, in excess of 400 million ladies participate in farming work, in spite of the fact that they need equivalent freedoms in land possession in excess of 90 nations. The greater part of the ladies overall occupied with non-motorized ranch occupations that incorporate planting, winnowing, collecting, and different types of work escalated cycles like rice transplantation. Many overviews have information by action and these show that overall weeding and collecting were dominatingly female exercises rather than men. In summed up manner it tends to be seen that generally the work weight of country ladies surpasses that of men, and incorporates a higher extent of neglected family liabilities connected with getting ready food and gathering fuel and water.

The commitment of ladies to horticultural and

provincial creation is huge yet it is difficult to legitimize observationally the offer delivered by ladies. Ladies' commitment in agribusiness and country work markets shifts impressively across locales, however reliably ladies are over addressed in neglected, occasional and seasonal work, and the accessible proof recommends that ladies are regularly paid not as much as men, for a similar work.

Review Analysis

Contemporary Issues of Women workforce participation in Agricultural and Rural Development are existing in the ways of successful participation of women in primary sector like: -

Women in the Agricultural and Rural Labour force

A lady is a fundamental piece of society, and has equivalent right even protected freedoms in regards to fairness. Yet, one review which was directed by Oxfam (2013), uncovers with that around 80% of ranch work is attempted by ladies in India. Nonetheless, sadly ladies own main 13% of the land in India. Late measurements delivered by the University of Maryland and the National Council of Applied Economic Research (NCAER, 2018) express that ladies comprise north of 42% of the horticultural and country workforce in India, however own under two percent of farmland.

Women Land Rights' (WLR) in Rural Areas

The majority of the Women in agrarian and unified areas are impacted by a typical issue of acknowledgment implies the shortfall of horticultural land freedoms, female rural workers, ranch widows, and sharecroppers are left deprived of acknowledgment as ranchers, and the subsequent qualifications.

Vol. VIII, No. 1; December-2021

Male Dominant System

The significant issue as foundation of the issue is absence of acknowledgment of the female farming laborer in contrast with male specialists, and the prohibition from land freedoms and qualifications, for example, institutional credit, benefits, water system sources, and so on As per the India Human Development Survey (IHDS, 2018), 83 percent of agrarian land in the nation is acquired by male individuals from the family and under two percent by their female partners. In a similar series in year 2011, M S Swaminathan, Rajya Sabha part proposed the critical 'Ladies Farmers Entitlement Bill'. With expanding acknowledgment being given to the commitment of ladies in agribusiness, for example, by remembering the 'Rashtriya Mahila Kisan Divas', it is time that such regulations and institutional change in farming are tended to.

Farm Widows

Seasons of India report (2018) showing that since the approach of progression, in excess of 300,000 ranchers have ended it all to get away from awful destitution, obligation, and embarrassment throughout the course of recent years. The information referenced in this report is truly tremendous on the one side we are relying on the essential area and then again units of essential area is submitting the self destruction. Assuming we are going with the information of a specific state like Maharashtra alone, as per revealed insights (BBC, 2014), there are in excess of 53,000 homestead widows. Out of these, around 10,600 live in Vidarbha, the rancher self destruction capital of the country. As of now, an exploration directed by the Mahila Kisan Adhikar Manch (MAKAAM, 2018) of 505 ladies ranchers (whose spouses ended it all because of obligation of banks or homestead related issues emergency) in 11 locale across Marathwada and Vidarbha, found that 40% of ladies bereft by rancher suicides somewhere in the range of 2012 and 2018, were yet to get freedoms of the farmland they developed. Among them, just 35% had tied down the freedoms to their family house. The review additionally found that 33% ladies didn't realize they were qualified for an annuity, which makes it obvious how ladies have been rejected from getting to institutional freedoms and qualifications, without any them being perceived as ranchers.

Women and rural poverty

It has been seen that 60 to 70 percent of the world's poor are ladies (UNDP, 1995; UNIFEM, 1995; United Nations, 1996). This concentrate on different factors like family utilization level of both male and female individuals, including youngsters, such a lopsidedness in the destitution rates would require an unlikely orientation appropriation inside families (Marcoux, 1998).

Research Gap

Past investigations on ladies laborers partner with agribusiness areas mitigated that due to ignorance, less mindfulness about the agrarian strategies, banking credit and so forth, neediness and orientation separation, ladies laborers deal with issues. Additionally, not many examinations show that in certain pieces of the country ladies laborers are being paid not exactly the male specialists. However, present examination connecting the previous exploration studies and current difficulties looking by ladies ranchers like innovative mindfulness, improvement plans to ladies ranchers, their job and position in rural area as well as in the advancement of country.

Research Objective

The major objective of the present review analysis is to analyze the women work-force in agriculture



sectors and their role towards rural development. Paper also concentrating on the Issues and Challenges facing by the women work-force in agriculture sector.

Research Methodology

A detailed review analysis was executed to find out the present situation of women in agriculture sectors. Papers related to challenges of women work-force in agriculture sector were also reviewed under the section of research methodology, and some of papers also reviewed for the suggestions and recommendation for the selected objective of the study. Apart from that, studies related to governmental schemes for the development of the women workers in agriculture sector.

Analysis and Discussion

Factors Contributing to Women workforce participation in Agricultural and Rural Development: - Apart from contemporary issues, there are several factors affecting the women work participation in agricultural and rural sectors: -

Social and Cultural Factors:

Since such countless years ladies were dealt with the ware to use at home and at ranches. This automated life plan made so many social and social boundations on ladies. For instance, numerous in ranks ladies are completely precluded to work out of the home; they should conceal their-self from outside climate such factors repressing the advancement of ladies and well as monetary development.

Discrimination against women farmers in the distribution of farm inputs such as fertilizers:

Being a female they have restricted admittance and

contacts with agreeable social orders and other rancher's steady social orders, because of this reason they are getting lesser measure of seeds, manures and expected pesticides on endowments in contrast with male ranchers.

Inadequate Capital:

For farming and other cottage industries the basic requirement is capital and its arrangements. In recent studies it was observed that loan sanction rate is less for female applicants in compare to male applicants.

Lack of adequate storage facilities:

Agrarian and other associated items are occasional like vegetables, blossoms and so forth, and such items requested by the market over time. In this quandary the legitimate stockpiling is expected at ranch of adjacent spots. Yet, a large portion of the female ranchers are deficient with regards to these offices.

High rate of illiteracy:

Besides than Karnataka each state and association regions have male prevailing education rate. These information shows that ladies are less taught in contrast with male, and proficient ranchers are more skilled in contrast with ignorant.

Lack of market:

Rural created and related items are accessible in greater costs at metros, yet when it is coming or buying from ranchers their costs will be exceptionally less. Because of these segregations ranchers are getting extremely less sum as benefit. In the event that they are not offering to arbiters on lesser costs then they don't have appropriate transportation offices and information market.

Inadequate access to land:

As it is already discussed in contemporary issues, it was mentioned that there is a big portion of female farmers contributing in agriculture and rural developmental activities, but their access as the ownership of land is very less in compare to male farmers.

Inadequate land:

This is the idea of agribusiness that "better the landbetter the yield". India has different geographic circumstances and these zones have special nature of soil. Be that as it may, the greater part of the sum is barren, because of fruitlessness of land female ranchers confronting the misfortune. Numerous most recent examination review and most recent advancements are proficient to change the dirt arrangement however that is expensive, so it can't be embraced by minimal ranchers.

Marital status:

In Indian or Asia marriage is a fundamental and significant fragment of people. This is the formal mingle beginning of day-to-day life. Numerous social and social convictions are as yet looking by ladies that they are exclusively liable for house, family care and work related work at ranches, such various variables hindering the job of ladies in farming and rustic turn of events.

Family Size:

Agricultural and related work is required the continuous supervision and labour. As family have important segment in the life of women, so family size is also an important aspect. Bigger the family size-Lesser the time for farming.

Findings

Initiatives of Government for the development of women workforce participation in Agriculture and Rural Development:

Indian economy is primary sector based economy, so it is obvious that government should concentrate on the development of this sector. For systematic development government started many schemes based on the development and growth of female farmers.

Mission for Integrated Development of Horticulture (MIDH):

This plan is connected with the help for agricultural automation and accessible for producer's affiliations/rancher gatherings/Self Help Groups/Women rancher bunches having somewhere around 10 individuals, who are occupied with development of green yields, gave the equilibrium 60% of the expense of machines and devices is borne by such gatherings. SHM to enter in to MoU with such affiliation/gatherings to guarantee appropriate upkeep, running and support of the machines and devices.

National Mission on Oilseeds & Oil Palm (NMOOP):

This plan is worried about the SHGs/FIGs/FPOs/Women gatherings/Co-agents and so forth, to be involved by the States in dispersion of Certified Seeds for better farming creation and rustic turn of events. Under this plan State Governments to arrangement/begin joint endeavor/rent out seed nurseries to ranchers' Self Help Groups/FIGs/Women Group/Cooperative Societies/FPO. States to help Farmer's affiliation/Self Help Groups/Farmer Groups/Women Groups/Cooperative Societies for this part under AAP. Ranchers affiliations / FPOs /

FIGs / SHGs / Women Groups, cooperatives / leagues would be qualified for help for establishment of Pre-handling, Processing and oil extraction gear / gadgets under Mini Mission - III for the recommended TBOs. Arrangement accessible under the Mission for association of Cousable Societies, Self Help/Women Groups/FIGs/FPOs and so on, in execution of the Mission.

Integrated Scheme for Agricultural Marketing (ISAM)

33.33% Subsidy (on capital cost) for women as compared to 25% for men. Subsidy ceiling (Up to 1000 MT is Rs. 1166.55),More than 1000MT and up to 30000 MT is Rs. 1000.00, Maximum ceiling of Rs 300.00 Lakhs) for women and Subsidy ceiling (Up to 1000 MT in Rs/MT-875.00, More than 1000MT and upto 30000 MT in Rs /MT - 750.00), Maximum ceiling (Rs 225.00 Lakhs) for men.

National Food Security Mission (NFSM)

Under this scheme at least 30% allocation of the funds is for women farmers to prepare the infrastructure for food security.

National Mission for Sustainable Agriculture (NMSA)

Present world is moving towards the sustainable development, in the same series under this scheme at least 50% of the allocated fund is to be utilized for small, marginal farmers of which at least 30% s h o u l d b e u t i l i z e d f o r w o m e n beneficiaries/farmers.

Other important Schemes:

Service of Rural advancement arranged the plan named Mahila Kisan Sashaktikaran Pariyojana (MKSP) for ladies ranchers. Mahila Kisan Sashaktikaran Pariyojana plan will be sent off in Jan 2011 as a piece of National Rural Livelihood Mission (NRLM) which was referred to before as Swarnajayanti Gram Swarozgar Yojana (SGSY). The plan means to work with ladies ranchers who are arranged as little and peripheral rancher classes. The target of the plan is to give financial and specialized strengthening to country lady ranchers. The expense of the plan will be 100 crore rupees. MKSP will help lady ranchers to get creation resources like water, seed endowment and credit without any problem. The middle will contribute 75 % to the venture while the excess 25% will be contributed by states.

Case Study: - Producing Cocoa in Ghana

Cocoa creation is a motor of development for Ghana's economy; it gives jobs to in excess of 700,000 smallholders. Cocoa has generally been thought of as a "man's" crop since it requires a lot of hard actual work and in light of the fact that it produces exceptional yields, which ordinarily suggest a solid orientation separation in their allotment. Notwithstanding distinctions in sexual orientation, male and female cocoa ranchers were similarly useful on their property. In 2004 the usefulness of recruited laborers ashore run by ladies was practically twofold that of laborers ashore run by men.

Cocoa smallholders ordinarily own the land they develop to that yield and ladies as a rule develop more modest plots than men (5.4 ha versus 7.9 ha). Work on cocoa ranches is obviously orientation separated. Men are normally occupied with the more truly requesting work, for example, clearing and tree felling and ladies play out the less truly requesting errands, for example, weeding and reaping. Ladies ranchers face more noteworthy time imperatives than do men since they invest more energy than men accomplish on homegrown work (on normal 1.5 times as numerous hours). Ranchers need male work for strength-requesting errands, for example, tree felling, therefore, female ranchers in the lower abundance positions who have no different method for obtaining male work need to depend on compensation or yearly work.

Female cocoa ranchers from Ghana vary from their male partners in other significant regards. They are normally more established, less taught, more money compelled, and utilize less cultivating inputs (like manure, insect spray, and agrarian hardware). Somewhere in the range of 2002 and 2004, cocoa ranchers (both female and male) expanded how much compost utilized by a variable of nine, yet the level of ladies utilizing manure went up just 25%, contrasted with 42% for men.

In outline, the Ghana contextual investigation on ladies cultivating cocoa gives four significant examples about distinctions in sexual orientation in high worth money crops. To begin with, while most smallholders occupied with the development of these harvests are male, there are a few clear signals that ladies are turning out to be more associated with cocoa cultivating. Also, femaleoversaw ranches are similarly pretty much as useful as those oversaw by guys. Thirdly, due to a great extent to cash requirements, ladies depend on work concentrated, low-tech creation advances and use non-work inputs sparingly. Fourth, ladies who don't have male work promptly accessible should recruit wage workers; this is obviously a significant limitation for the most unfortunate female ranchers.

Conclusion

As per the report distributed by Food and Agricultural Organization (FAO, 2011), that engaging ladies through land proprietorship privileges has the capability of bringing complete agrarian result up in creating and immature nations and this distinction is 2.5 to 4 percent and this can decrease the yearning across the world by 12-17 percent.

The Sustainable Development Goals of United Nations additionally looks to give property privileges and residency security of rural land to ladies ranchers. Government ought to set up the strategies which are useful as far as conceding qualifications to ladies in horticulture and ranch widows should be addressed to enable country ladies monetarily, strategically, socially, and mentally. The most basic issue uncovered by present audit examination is that India should be addressed toward a gendered amicable strategy to limit the segregation of proprietorship, separation on the control of land, family boundations, ladies ranchers instruction, expertise improvement, logical proficiency and so on, to accomplish financial equity in orientation, as it is likewise ensured by the Indian Constitution, under the aegis of Article 14.

Recommendations

After itemized examination, present review suggesting that, ladies laborers should be treated based on their presentation not based on orientation. In this part It can be uncovered that initially, the ladies cultivators should be remembered for the land records. Also, it is important to upgrade accessible decisions, while communicating worries of ladies ranchers in the space of seed creation, agro-biodiversity, feasible horticultural practices, and normal asset the board. Mechanical development ought to be orientation comprehensive, and ladies cooperatives should be adjusted for sway along different SDGs. In conclusion, SHGs should be reached out as a social venture for ladies. Ladies in farming are continuously getting the acknowledgment and security they merit with the assistance of government plans; However, we have quite far to

go before we make an orientation equivalent world.

Limitations

Present study is focusing on women work-force concerned with the agriculture sector and their related challenges, but still there are many sectors where women workers are being exploited and which are still to be exposed. Present study having this limitation that many sectors have such problems but, here the agriculture sectors was considered.

Future Scope of Research

The current analysis showing the women continue to face handicaps while accessing land or credit. They also do not have requisite access to latest technology, agriculture inputs, and market opportunities. As per 2015 census in India, only 14% women have land rights on the land they are cultivating. This is happening in an era of growing land fragmentation. This includes 86% farmers with less than 2 hectares of land each. Also, land is used as collateral in the farming community to get credit from banks, something women do not have access to. This leads to less investment in farm in general, and women's enterprise in particular. This harms the food security along with agriculture productivity of the nation, including export potential. The women farmers are not adequately trained either. The training is through cooperatives, Self Help Groups (SHG). Farmer Producer Organisations (FPO)have unrealised potential in this regard. So future studies can be executed for the women workers rights in agriculture sectors and role of government and non-governmental organizations in their development.

References

Acharya, M. and L. Bennett. 1982. Women and the Subsistence Sector: Economic Participation and Household

Decision making in Nepal. World Bank Staff Working Papers, Number 526.

Addati, L. and N. Cassirer. 2008. Equal sharing of responsibilities between women and men, including care giving in the context of HIV/AIDS. Paper prepared for the Expert Group meeting on the equal sharing of responsibilities between women and men, including care giving in the context of HIV/AIDS, organized by the United Nations Division for the Advancement of Women, Geneva.

Anríquez, G. 2010. Demystifying the Agricultural Feminization Myth and the Gender Burden. Background paper prepared for The State of Food and Agriculture 2011.

Appleton, S. 1996. Women-Headed Households and Household Welfare: An Empirical Deconstruction for Uganda. World Development, Vol. 24(12): 1811-1827.

Baanante, C., T.P. Thompson and K. Acheampong. 1999. Labour contributions of women to crop production activities in three regions of West Africa: An analysis of farm-survey data. Institute of African Studies: Research Review, Vol. 15(1): 80-100.

Bank of Uganda. 2001. Annual Report 2000 - 2001. Kampala, Uganda.

Beneria, L. 1981. Conceptualizing the Labor Force: The Underestimation of Women's Economic Activities. Journal of Development Studies, 17(3):10-28.

Bravo-Baumann, H. 2000. Gender and Livestock. Capitalisation of Experiences on Livestock Projects and Gender. Working document. Swiss Development Cooperation, Bern.

Brown, C.K. 1994. Gender Roles in Household Allocation of Resources and Decision Making in Ghana. Family and Development Programme (FADEP), Department of Geography and Resource Development, University of Ghana, Legon, Ghana.

Chant, S. 2003. Female Household Headship and the Feminisation of Poverty: Facts, Fictions and Forward Strategies. Gender Institute, New Working Paper Series, Issue 9, May 2003.

Charmes, J. 2006. A Review of Empirical Evidence on Time Use in Africa from UN Sponsored Surveys. In Blackden, C.M. and Q. Wodon. (Eds.) Gender, Time Use, and Poverty in Sub-Saharan Africa. World Bank Working Paper No. 73. World Bank, Washington, D.C.

Chipande, G. H. R. 1987. Innovation adoption among female-headed households, Development and Change 18 (2): 315-327.

De Brauw, A., Q. Li, C. Liu, S. Rozelle and L. Zhang. 2008. Feminization of agriculture in China? Myths surrounding women's participation in farming. The China Quarterly, 327-348.

Doss, C. 2010. If Women Hold up Half the Sky, How Much of the World's Food do they Produce? Background paper prepared for the State of Food and Agriculture 2010.

Duflo, E. and C. Udry. 2001. Intrahousehold Resource Allocation in Cote d'Ivoire: Social Norms, Separate Accounts, and Consumption Choices. Processed. Department of Economics, MIT, Cambridge, MA.

Estudillo, J.P., A. R. Quisumbing and K. Otsuka. 2001. Gender differences in land inheritance, schooling and lifetime income: Evidence from the rural Philippines. The Journal of Development Studies, Vol. 37(4): 23-48.

FAO/MAF. 2010. National Gender Profile of Agricultural Households, 2010. Report based on the Lao Expenditure and Consumption Surveys, National Agricultural Census and the National Population Census. Food and Agriculture Organization of the United Nations, Rome and Ministry of Agriculture and Forestry, Vientiane.

Fuwa, N. 2000. The Poverty and Heterogeneity Among Female-Headed Households Revisited: The Case of Panama. World Development, Vol. 28(8): 1515-1542.

Government of India. 2006. Employment and Unemployment Situation in India 2004-05, part I and II. Report No. 515 (61/10/01). National Sample Survey Organisation, Ministry of Statistics & Programme Implementation, Government of India.

Haggblade, S., P. Hazell, and T. Reardon. Eds. 2007. Transforming the Rural Nonfarm Economy: Opportunities and Threats in the Developing World. Baltimore, The Johns Hopkins University Press.

Hill, R.V. and M. Vigneri. 2009. Mainstreaming Gender Sensitivity in Cash Crop Market Supply Chains. Background paper prepared for the State of Food and Agriculture 2011.

Jackson, C. 2005. Strengthening Food Policy Through

Gender and Intrahousehold Analysis Impact Assessment of IFPRI Multicountry Research. Impact Assessment Discussion Paper, 2005. International Food Policy Research Institute, Washington, DC.

Katz, E. 2003. "The changing role of women in the rural economies of Latin America." In Benjamin D. (ed.), Food, Agriculture and Rural Development: Current and Emerging Issues for Economic Analysis and Policy Research – II. Vol. I: Latin America and the Caribbean. Food and Agriculture Organization of the United Nations (FAO), Rome.

Kumar S.K. and D. Hotchkiss. 1988. Consequences of deforestation for women's time allocation, agricultural production, and nutrition in hill areas of Nepal. Research Report 69, International Food Policy Research Institute: Washington, D.C.

Long, L.D., L.N. Hung, A. Truitt, L.T.P. Mai and D.N. Anh. 2000. Changing Gender Relations in Vietnam's Post Doi Moi Era. Policy Research Report on Gender and Development, Working Paper Series No 14, World Bank, Washington, D.C.

Morada, H.B., M.A. Llaneta, T.N. Pangan and C.L. Pomentil. 2001. Female-Headed Households in the Philippines. A paper presented at the DOLE First Research Conference held on the Occupation Safety and Health Center on 5 December 2001, Quezon City.

Newman, C. 2002. Gender, Time use, and Change: The Impact of the Cut Flower Industry in Ecuador. The World Bank Economic Review, 16(3): 375-396.

Paris, T.R. and T.T.N. Chi. 2005. The Impact of Row Seeder Technology on Women Labor: A Case Study in the Mekong Delta, Vietnam. Gender Technology and Development, Vol. 9(2): 157-184.

Quisumbing, A. R., L. Haddad, and C. Peña. 2001. Are Women Overrepresented Among the Poor? An Analysis of Poverty in Ten Developing Countries. Journal of Development Economics, Vol. 66(1): 225-269.

Rola, A., Rola, W., Tiongco, M. and Delgado, C. 2006, An example of livestock intensification and the role of smallholders: Philippines hog and poultry sectors MTID DISCUSSION PAPER NO. 59, Markets Trade and Institutions Division, International Food Policy Research Institute, Washington, D.C., U.S.A..

Swinnen, J. 2004. The Dynamics of Vertical Coordination in ECA Agrifood Chains: Implications for Policy and Bank



Operations. Final report, Washington DC: World Bank.

Thornton P.K., Kruska R.L., Henninger N., Kristjanson P.M., Reid R.S., Atieno F., Odero, A.N. and Ndegwa T. 2002. Mapping poverty and livestock in the developing world. ILRI (International Livestock Research Institute), Nairobi, Kenya. 124 pp.

United Nations. 1996. Food Security for All, Food Security for Rural Women. Geneva: International Steering Committee on the Economic Advancement of Rural Women.

UNECA (United Nations Economic Commission for Africa).

1972. Women: The Neglected Human Resource for African Development," Canadian Journal of African Studies / Revue Canadienne des Études Africaines, Special Issue: The Roles of African Women: Past, Present and Future, Vol. 6(2): 359-370.

World Bank, FAO & IFAD, 2009. Gender in Agriculture Sourcebook. The World Bank, Washington D.C.

Zhang, X., X. Fu and J. Yang. 2005. The Vegetable Supply Chain of Supermarkets in Sichuan, China. Project Report. The Hague: Agricultural Economics Research Institute.