



Meeting of Participatory Institutions for evaluation of Technical Projects in adopted villages

LHC- 213 IIT Delhi
16th - 17th November July, 2018

Motorized Paper Creasing Machine

BIT Mesra, Ranchi

And

Dr. Rajeev Kumar

Objective of technology

- To increase rural women empowerment
- To mark different dimensions on a no of sheets for making paper bags at a time.
- Presently doing by measuring by scale and pen.
- Available machines are costly.
- Reduce the time of marking for making the paper carry bags.
- Per day income will increase.
- Only pasting and folding part will remain.
- uneducated rural old age women will get some work.
- Family income will increase.

Work plan

- For marking different sizes, wood platform first have to made.
- Rectangular iron pieces have to select depending on the size which have to mark.
- One side of the rectangular pieces of iron material have to machine in the taper form so that one side will become approx. 1 mm.
- Cam has to designed so that lift of iron piece will be 8-10 mm.
- Cam and rectangular iron piece will be loaded on spring system.
- Cam have to connected with motor and gear system so that speed will be less or comfortable for working or removing the creased paper and adding fresh for marking.

Benefit to villages

- Uneducated rural old age women, unemployed rural women will get empowered and family income will increase.
- 10% income will be used in rural coaching for 6th to 12th standard village students on Saturday and Sunday for particular village by BIT 1st year students.
- Marketing and finished product will reach to shop will be done by rural unemployed youth.
- Villagers will gets enrolled for doing other type of development work.

Benefit to College/ Institute/ University

- Students will get involve in village activity work.
- Students will get technical project related to their study.
- Students knowledge will be implemented in village development work.
- Students can also start up rural entrepreneur.

Time line of project

- Time reqd. for product development

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Sl. No	Work to be done	Period of Time reqd.
1	Structure preparation	.15 month
2	Wooden Plate form preparation	.15 month
3.	Cam designed	.15 month
4	Gear assembly and motor connection	1 month
5	Final product ready for creasing	.15 month
	Total time reqd.:-	3 months