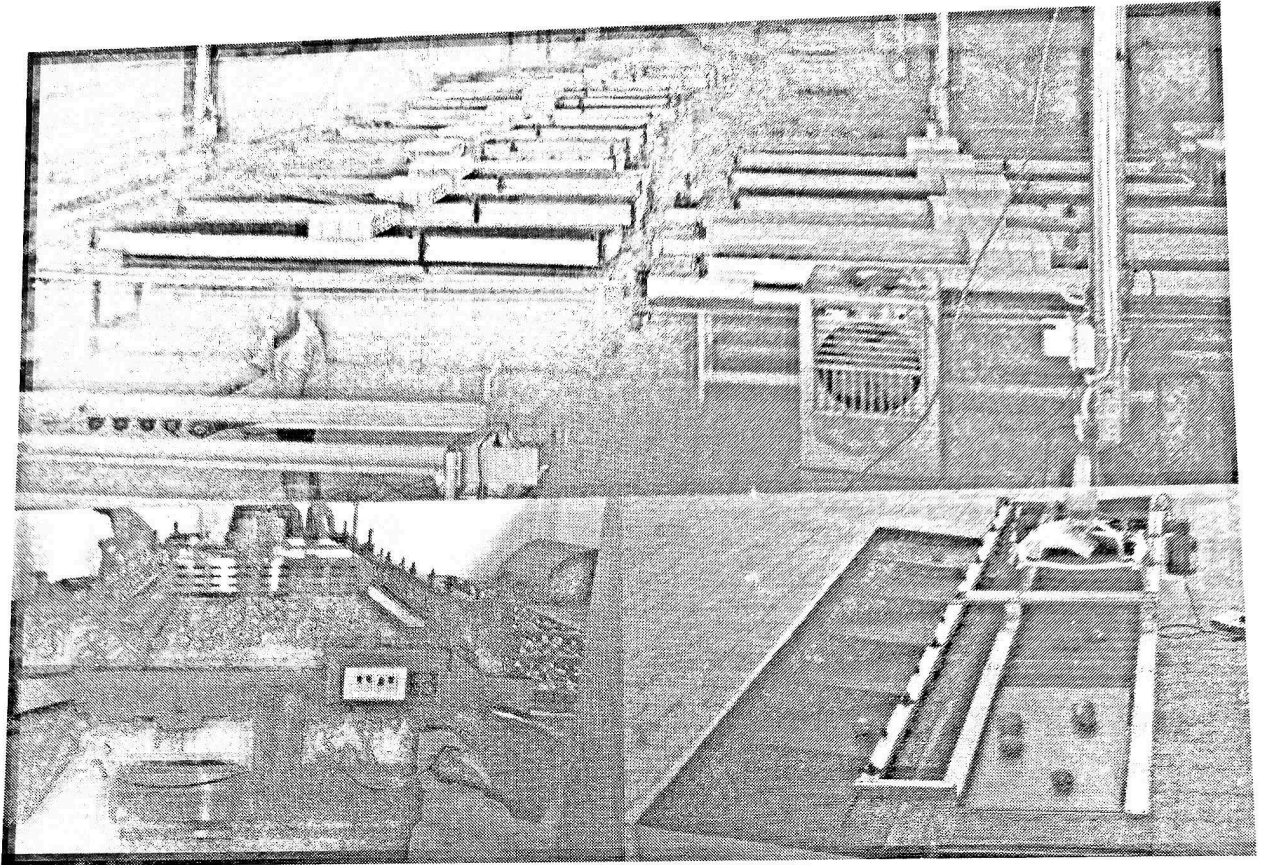


**BUSINESS PLAN  
INCOME GENERATING ACTIVITY  
(Apple grading/Packing)**



SHG/CIG Name	::	Brarasar SHG Kewar
VFDS Name	::	Rupin Gramin van vikas simiti kewar
Range	::	Dodra kewar
Division	::	Rohru

**Prepared under:**



**Project for Improvement of Himachal Pradesh Forest Ecosystems  
Management & Livelihoods (JICA Assisted)**

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## Introduction

Himachal Pradesh is a State in the Northern part of the India and is situated in the western Himalayas. It is characterized by an extreme landscape featuring several peaks and extensive river system. Himachal Pradesh is known as "Land of God" and is also known for its scenic beauty. Himachal Pradesh is rich in flora and fauna. The state has diverse ecosystem, rivers and valleys, and has a population of 7.5 million and covers 55,673 sq.km ranging from foothills of Shivalik to the mid hills (300 - 6816MT above MSL), high hills and cold dry zones of the upper Himalayas. It is spread across valleys with many perennial rivers flowing through them. Almost 90% of the state's population lives in rural areas. Agriculture, horticulture, hydropower and tourism are important constituents of the state's economy. Climatically the Rohru is divided into 3 zones viz Wet Zone, Dry Zone & Arid Zone.

Apple as a Cash Crop has given a platform to the people to raise themselves economically and has made the life better. In India Apple is mainly cultivated in states of Jammu and Kashmir, Himachal Pradesh and some parts of Uttarakhand. Himachal Pradesh has earned the fame of "Apple State" and the Apple was first cultivated in Shimla District. Apple is also main Cash Crop of the state. Apple constitutes about the 48% of Total Area under production. The Apple Fruit Industry has an economy of about INR 4,000 Crores. Himachal Pradesh currently produces an average of over 4 lakhs tons Apple annually. The production of Apple is mainly done in District of Kullu, Shimla, Kinnaur, Mandi,

Chamba & some areas of Sirmaur. Nowadays, production of Apples has stretched to some areas of Lahaul & Spiti as well. Apple season starts from June and is at its peak in the month of August when fruits are being harvested from the higher and middle reaches of the state

Apple growers in remote and inaccessible areas of the district of Shimla has now started a New Revolution as transportation of Apples through Drones. Successful trials of transportation of 20kgs Apple Boxes were done in Kewar village in Chirgaon Block of Shimla District and boxes were transported from a distance of 20 Km from an orchard to main road within 6 minutes. In Tehsil Rohru District Shimla the Apple is grown on 10,924 Hectares of Land. The Apple Transportation starts from the Lower areas of Dodra Kewar in August but the bulk of transportation take place from 15<sup>th</sup> October to 15<sup>th</sup> November.

The Kewar Valley has raised bulk of orchards during the recent past and the labour for Plucking, Grading & Packing is imported from District Shimla & Outer Seraj Area of District Kullu. It is estimated that about 25 thousand Apple boxes are produced annually in this tract. The following approximate Quantity of Apples are produced in the Valley.

S.No	Name of Village	Approximate Annual
------	-----------------	--------------------

		Production of Apple Packing Cases
1.	Kewar	10,000
2.	Jiskoon	5,000
3.	Dodra	5,000
4.	Pujarli	5,000

Apple grading is a common household activity mainly among the men in rural India. Apple grading technologies have improved the business of many fruits like that of Apples. Now the members of Barara SHG Kewar have chosen Apple Grading activity as IGA so that they can earn extra money to meet their **expenses and raise some savings also for the difficult times.** A group of 20 man of different age groups came together to form a SHG under JICA project and decided to craft a business plan which can help them to take up this IGA in collective manner and raise their additional income.

There are also a lots of problem in transferring the crop to markets because of poor or no road facility .With the facility of Cable ropeway ( Jhula) the people there can transfer the goods /Apple boxes to the road side facility quickly for further transportation . The expensis on carriage will be highly reduced .With help of Cable ropeway not only the people of one village are benefited but all the villages with a population of 400 around will also get benefited ,and the people of the group need the project help them in doing this business .The transportations by cable ropeway is not a seasonal work but will also it help for transportation of all kinds of goods during the whole year .

Hence , the members of group wants to install an apple grading machine & cable ropeway (jhula ) as an IGA and need the help of the project for the same .

### Background

Grading center by Barara SHG Kewar will be located at village kewar . The selected SHG area falls under Kewar beat of Dodra kewar Range in Rohru Forest Division Management Unit (DMU). Fruit grading and packing along with local transfer of apple boxes for road side facility and grading points by cable ropeway (jhula ) income generation activity has been selected by Barara Self Help Group Kewar as an IGA . This activity is being already done by some people of this group. This business activity will be carried for the whole year by group members.

### 2. Description of SHG/CIG

2.1	SHG/CIG Name	::	Bharara SHG Kewar
2.2	SHG/CIG MIS Code No.	::	-

2.3	VFDS	::	Rupin Gramin van vikas simiti kewar
2.4	Range	::	Dodra kewar
2.5	Division	::	Rohru
2.6	Village	::	kewar and Pujarli
2.7	Block	::	Chirgaon
2.8	District	::	Shimla
2.9	Total No. of Members in SHG	::	20
2.10	Date of formation	::	23-05-2022
2.11	Bank a/c No.	::	41010107876
2.12	Bank Details	::	HP State Co-operative Bank Dodra
2.13	SHG/CIG Monthly Saving	::	50/-
2.14	Total saving		13000
2.15	Total inter-loaning		-
2.16	Cash Credit Limit		-
2.17	Repayment Status		-

### 3. Beneficiaries Detail:

Sr. No	Name (Smt.)	Contact Number	Categories	VILLAGE
1	Usha Thakur	8988229622	Gen	PUJARLI
2	ParavDevi	7807504307	GEN	PIJARLI
3	Sangeeta	7651076622	GEN	PUJARLI

4	Sharmila	6230301175	GEN	PUJARLI
5	Gian Pati	8988335477	GEN	PUJARLI
6	Seeta Bagti	9418433309	GEN	PUJARLI
7	Nisha Devi	8988586572	GEN	PUJARLI
8	Nidhu Devi	9418821740	GEN	PUJARLI
9	Satiya Thakur	8219687316	GEN	PUJARLI
10	Pinki Sharma	7650061637	GEN	PUJARLI
11	Ram Prakesh	9418611307	SC	PUJARLI
12	Pyar Duss	6230177881	SC	PUJARLI
13	Sachin	9459047740	SC	PUJARLI
14	Dingu Ram	8988927515	SC	PUJARLI
15	Neg patti	6230211003	GEN	PUJARLI
16	Neelam Thakur	-	GEN	PUJARLI
17	Manoj	9459609796	SC	PUJARLI
18	Pushpa	8988508579	GEN	PUJARLI
19	Vijender	6230301181	SC	PUJARLI
20	Sanjni	-	SC	PUJARLI

#### 4. Geographical details of the Village

3.1	Distance from the District HQ	::	100km
3.2	Distance from Main Road	::	5 km
3.3	Name of local market & distance	::	Chirgaon ,dodra kewar
3.4	Name of main market & distance	::	100 km
3.5	Name of main cities & distance	::	Rohru ,shimla
3.6	Name of main cities where product will be sold/ marketed	::	Chirgaon Rohru,theog ,shimla ,
3.7	Any specific information of the village with regard to proposed IGA	::	The village are engaged in Apple farming and taking up IGA Activity of Grading & packing shall be beneficial to them .



### 5. Description of product related to Income Generating Activity

4.1	Name of the Product	::	Grading & packing of fruits
4.2	Method of product identification	::	This activity is being already done by some SHG people and has been decided by group members
4.3	Consent of SHG/ CIG / cluster members	::	Yes

### Description of Production Planning

The Members of the group will be imparted training for the trade i.e, Packing and Grading apple . After training the following steps will be followed by the members of the group:-

1. Some of the members will handle the Grading Machine and some will help in Packing and stappling of the Apple Boxes and other will operate Jhula
2. The nearby inhabitants from Jiskoon, Kewar, Dodra, villages will bring their Apple produce to this packing and grading machine which will be profitable and enhance their income.

6.1	Production Cycle (in days)	::	100 boxes apple grading and packing with in 3-4 hr Also transferring
6.2	Manpower required per cycle (No.)	::	20
6.3	Source of raw materials	::	Local market , main market of Rohru and Shimla .
6.4	Source of other resources	::	Local markrt , main market
6.5	Expected grading and packing ( Boxes /day )	::	250 boxes /day
6.6	Time taken	::	-One person will be engaged for receiving the Apple Trays. - Five persons will carry these trays&hand them over to the persons

### 5. Description of product related to Income Generating Activity

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4.2	Method of product identification	::	This activity is being already done by some SHG people and has been decided by group members
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6.4	Source of other resources	::	Local markrt , main market
6.5	Expected grading and packing ( Boxes /day )	::	250 boxes /day
6.6	Time taken	::	-One person will be engaged for receiving the Apple Trays. - Five persons will carry these trays&hand them over to the persons

			<p>stationed at Grading point.</p> <p>-Two persons will be stationed at Grading machine and receive the Apple Trays.</p> <p>-Five persons will do the packing of the Apples &amp; writing work on the Packing Cases.</p> <p>-Seven person will be transport the apple boxes</p> <p>Total=20Nos</p>

#### 6. Description of Marketing/ Sale

7.1	Potential market places/locations	::	Villages covered – Kewar , Jakha ,Jiskoon ,Pujarli ,Danderwari
7.2	Grading & packing work demand	::	In apple season (June to October )
7.3	Process of identification of market	::	Group members will contact nearbyvillagers/households.
7.4	Marketing Strategy		SHG members will directly take orders (individual levels/ group level) from nearby Villagers /households.

#### Description of Management among members

By mutual consent SHG group members will decide their role and responsibility to carry out the work. Work will be divided among members according to their mental and physical capabilities. Some group members will

involve in Pre-Production process (i.e. - procuring of raw material etc) Some group members will involve in Production process. Some group members will involve in Packaging and Marketing

### **SWOT Analysis**

#### **❖ Strength**

- Activity is being already done by some SHG members
- Raw material easily available from nearby markets
- Manufacturing process is simple
- Proper packing and easy to transport
- Other family members will also cooperate with beneficiaries
- Product self-life is long

#### **❖ Weakness**

- Lack of technical know-how

#### **❖ Opportunity**

- Increasing demand for good products

#### **❖ Threats/Risks**

- Competitive market

<b>A. CAPITAL COST</b>				
<b>Sr.No</b>	<b>Particulars</b>	<b>Quantity</b>	<b>Unit Price</b>	<b>Total Amount (Rs.)</b>
1.	Cable ropeway ( Jhula )	1	485000	485000 (Estimate enclosed)
2	Grading & packing machine	1	300,000	300,000
3	Generator	1	100,000	100,000
4	Stepping puncher machine	2	2000	4000
5	Roller machine	2	2000	4000
6	Tape roller machine	2	1000	2000
7	Plastic crate	50	300	15000
	<b>Total Capital Cost (A) =</b>			910,000

<b>B. RECURRING COST</b>				
<b>Sr.no</b>	<b>Particulars</b>	<b>Quantity</b>	<b>Price</b>	<b>Total Amount (Rs)</b>
1	Stepling pin	50kg	200	10000
	Apple Boxes	2000	100	200,000
2	Stepling roll	5	500	2500
3	Tape roll	100	50	5000

4	Area Rent	3 month	2000	6000	
5	Electricity bill	3 month	1200	3600	
6	Other(stationary , electricity bill,transportati on machine repair )	L/s	10000	10000	
	Packing Material an dStorage Box	L/S	5000	5000	
8	Freight Charges (Raw Material &final products)	L/S	3000	3000	
9	Amount of depreciatio n on capital cost	10%	91000	91000	
	<b>Total Recurring Cost (B)</b>			336100	

8.

**[REDACTED]**

Since it is an additional activity in the SHG apart from their routine household work the outcome will be proportionate to the working hours of each member. It is always better initially to keep the production on conservative side which can always be scaled up with passage of time and

work experience.

C) Total Sale (Annual)				Amount(Rs.)
Sr.no	Particular	Quantity	Rate(Rs.)	
1	Grading	9000	220	19 80 000
2	Packing			
3	Stappling			
4	Transportation by Cable ropeway 20% above annually Approximate	1800	20	36000
	<b>Total</b>			<b>20,16,000</b>

### Analysis of Income and Expenditure (Annually):

Sr.No	Particulars	Amount (Rs)
2	Total Recurring Cost including depreciation	336100
3	Earning from grading & packing apple per year	1980000
4	Earning from transportation by cable ropeway per year	36000
6	Net profit	$1980000 + 36000 = 2016000$ $2016000 - 336100 = 1679900$ ( net profit )
7	Distribution of net profit	<ul style="list-style-type: none"> <li>Profit will be distributed equally among members monthly/yearly basis.</li> <li>Profit will be used for further investment in IGA</li> </ul>

**Fund requirement:**

Sr.No	Particulars	Total Amount (Rs)	Project Contribution	SHG contribution
1	Total capital cost	910,000	682500	227500
2	Total Recurring Cost	336100	0	336100
3	Trainings	50000	50000	0
	<b>Total</b>	<b>1296100</b>	<b>732500</b>	<b>563600</b>

**Note-**

- Capital Cost** - 75% of capital cost to be covered under the Project
- Recurring Cost** - To be borne by the SHG/CIG.
- Trainings/capacity building/ skill up-gradation** - To be borne by the Project

**Sources of fund:**

Project support;	<ul style="list-style-type: none"> <li>• 75% of capital cost will be utilized for purchase of machines.</li> <li>• Upto Rs 1 lakh will be parked in the SHG bank account.</li> <li>• Trainings/capacity</li> </ul>	procurement of machines will be done by respective DMU / FCCU after following all codal formalities.
------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------



	building/ skill up-gradation cost.	
SHG contribution	<ul style="list-style-type: none"> <li>• 25% of capital cost to be borne by SHG.</li> <li>• Recurring cost to be borne by SHG</li> </ul>	

### 1. Trainings/capacity building/skill up-gradation

Trainings/capacity building/ skill up-gradation cost will be borne by project. Following are some trainings/capacity building/skill up-gradation proposed/needed:

- Team work
- Quality control
- Packaging and Marketing
- Financial Management

2. **Loan Repayment Schedule-** If the loan is availed from bank it will be in the form of cash credit limit and for CCL there is not repayment schedule; however, the monthly saving and repayment receipt from members should be routed through CCL.

- In CCL, the principal loan outstanding of the SHG must be fully paid to the banks once a year. The interest amount should be paid on a monthly basis.
- In term loans, the repayment must be made as per the repayment schedule in the banks.

### 3. Monitoring Method -

- Social Audit Committee of the VFDS will monitor the progress and performance of the IGA and suggest corrective action if need be to ensure operation of the unit as per projection.
- SHG should also review the progress and performance of the IGA of each member and suggest corrective action if need be to ensure operation of the unit as per projection.

# कार्यलय रूपीन ग्रामीण वन विकास समिति क्वार

तह0 डोडरा-क्वार जिला शिमला (हि0 प्र0) पिन न0 171221

**प्रधान**  
शंकर चौहान  
मो0 94185.29075

**उप-प्रधान**  
विरेन्द्र ठाकुर  
मो0 89884.64005

**कोषाध्यक्ष**  
वन खण्ड अधिकारी  
मो0 94186.26876

**सचिव**  
राम प्रकाश  
मो0 89885.28262

आज दिनांक 23-10-2023 को वन विकास समिति की मासिक बैठक प्रधान/ उपप्रधान श्री शंकर चौहान की अध्यक्षता में सम्पन्न हुई जिसमें निम्नलिखित कार्यवाही अमल में लाई गई।

प्रस्ताव संख्या 2 वनाडा स्वयं सहायता समूह के दिनांक 23-10-2023

आज की बैठक में उपस्थित सभी सदस्यों ने वनाडी गहन विचार के बाद निर्णय लिया है कि कुछ सदस्यों का इसमें और वक्त करना आवश्यक है क्योंकि पहले भी कुछ सदस्य चुने गए परन्तु इस समूह के चयन में असमर्थता जताने के चलते इस समूह के डा कुछ व्यक्तियों को बदला जाना उचित है क्योंकि कुछ व्यक्ति मासिक बैठक में भी अपनी उपस्थिति सुनिश्चित नहीं कर रहे हैं इस लिए निम्न व्यक्तियों तथा महिलाओं को इस समूह में इनकी स्वच्छता के मुताबिक इस समूह में जोड़ा गया है वनाडा स्वयं सहायता समूह के नाम निम्न प्रकार ले है

नाम	पद	क्रमांक	नाम	पद
1. उषा ठाकुर	प्रधान	17	नीलम ठाकुर	
2. पारव देवी		18	नेगपति	
3. संपीता		19	सरजनी	
4. शशीला		20	विजेंद्र	
5. ज्ञान पति	कोषाध्यक्ष			
6. मिशा				
7. निरू देवी	सचिव			
8. सत्यावतु				
9. जीडी				
10. राम प्रकाश				
11. प्यार पास				
12. सचिप				
13. किशोराम				
14. सिला गौरी				
15. पुष्पा				
16. गनील				

सचिव  
रूपीन ग्रामीण वन विकास समिति क्वार  
तह0 डोडरा-क्वार जिला शिमला हि0 प्र0 171221

प्रधान  
रूपीन ग्रामीण वन विकास समिति क्वार  
तह0 डोडरा-क्वार जिला शिमला हि0 प्र0 171221

## BUSINESS PLAN APPROVED BY VFDS

apple grading and packing machine and ropeway

Self help group will undertake the ----- as livelihood Income Generation Activity under the project for Improvement of Himachal Pradesh Forest Ecosystems Management & Livelihoods (JICA Assisted). In this regard Business Plan of amount (Rs) 9,10,000 has been submitted by this group on dated ----- and this business plan has been approved by KEWAR VFDS

Business Plan with SHG resolution is being submitted to DMU through FTU for further action, please.

Thank you

प्रधान  
वन विकास समिति क्वार  
तह० डोडरा क्वार पिन-171221

Signature Of VFDS President

सचिव  
रूपीन ग्रासीण वन विकास समिति क्वार  
तह० डोडरा-क्वार जिला शिमला हि० प्र० 171221

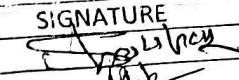
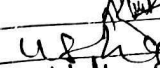
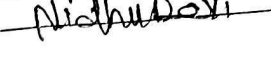

Signature Of VFDS Secretary

Name	Designation	Contact No	Signature
Usha Thakur		8988229622	Usha Thakur
Parvati Devi		7807504307	41/11/11
Sanjeeta		7651076622	Sanjeeta
Sharda		6230301175	Sharda
Leena Patil		8988335477	Leena Patil
Seeta Bhatti		9418433309	Seeta Bhatti
Nisha Devi		8988586572	Nisha
Nidhi Devi		9418527740	Nidhi Devi
Seeta Thakur		8219687316	Satya
Pinki Sharma		7650061637	Pinki
Ram Prakash		9418611307	Ram Prakash
Dyala Duss		6230177881	Dyala Duss
Suehin		9459647740	Suehin

SNo	Full Name	Designation	Contact No.	Signature
14	Dinakar Ram		89889 27515	Dinakar
15	Nagpatti		6230211003	नंदन
16	Nelamthala			निलम ठाला
17	Manoj Meena		94596 09796	Manoj
18	Pushpa		89885 08579	पुष्पा
19	Sajani			सजनी
20	Vijender		623030181	Vijender

30/7  
 1000-1000 1000 1000  
 1000-1000 1000 1000

## NAME & SIGNATURE OF AUTHORIZED SIGNATORIES


S.No.	NAME	DESIGNATION	SIGNATURE
1.	Shankar Chakraborty	Vfds president	
2.	Ram Prakash	Vfds Secretary	
3.	Usha Thakur	Shg president	
4.	Nichha Devi	Shg secretary	

Submitted to DMU through FTU

  
Name & Signature of FTU Officer

  
Name & Signature of FTU Co-ordinator

Approved

  
Name & Signature Of DMU Officer

Unit	L/R
7 Cum	
8 Cum	
5 Cum	
75 Cum	
5 Cum	
74 SQM	
1.15 SQM	
125 Cum	
1.25 cum	

**HIMACHAL PRADESH  
PUBLIC WORK DEPARTMENT**



PWD/DKD/DB-Estimate/2023-24 2251

Dated 17/01/2024

To

The Divisional Forest Officer,  
Rohru Forest Division,  
Rohru.


Subject: Technical approval of estimate for execution of civil works of Forest Department.

Reference:- Your office letter No. 198 H.P Forest Department Dated Rohru the 12/12/2023

The estimate of civil work as received vide your office letter under reference is technically approved and submitted for further necessary action please.

Sr.No	Name of Work	Estimated cost
1	C/o tar Sapn from Kumsari to Near Govt Sr.Sec. School Kawar	4,85,000/-

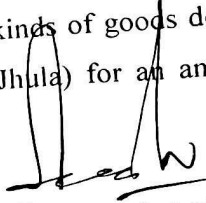
Encl: - Estimate in Original

  
Executive Engineer,  
B&R Division HPPWD,  
Dodra Kawar

Heelt  
18/1/24

## HISTORY SHEET

The members of Barara SHG Kavar have chosen apple grading packing and ropeway transportation activity as IGA under the JICA Project operated by forest department. The group has decided to craft a business plan which can help them to take up this IGA in collective manner and raise their additional income. There are also lots of problem in transferring the crop to markets because of poor or no road facility. With the facility of Cable ropeway (Jhula) the people there can transfer the goods/apple boxes to the road side facility quickly for further transportation. The expenses on carriage will be highly reduced with the help of cable ropeway not only the people of one village are benefited but all the villages with a population of 400 around will also get benefited and the people of the group need the project help in doing this business. The transportations by cable ropeway is not a seasonal work but will also help for transportation of all kinds of goods during the whole year. The group has already submitted the estimate for ropeway (Jhula) for an amount of Rs 4, 85,000/-.

  
Dy Conservator of Forests  
Rohru

**ABSTRACT OF COST of quantities.**

Name of Work : C/o Tar Span from Kumsari to Near GSSS Kawar

S.No.	Description Of Item	Qty	Unit	L/R	Amount	T/R	Amount
1	Excavation in foundations, trenches etc., in earth work, lift up to 1.50 meters stacking the excavated soil not more than three meters clear from the edge of the excavation and then returning the stacked soil in 15 cm. Layers, when required in to plinths sides of foundations etc., consolidating each deposited layer by remaining and watering and then depositing of all surplus excavated earth as directed with in a lead of 20 meters . 50% CW + 50% JW	57.195	Cum	121.3	6937.7535	180.55	10326.5523
	<b>Total Earth Work</b>	14.58	Cum	102.3	1491.534	150.5	2194.29
2	cutting in earthwork.					0	0
3	Providing and laying cement concrete and curing complete excluding cost of centering and shuttering in foundation and plinth .	1.0218	Cum	422.75	431.8393	1942.5	1984.26375
	<b>Total PCC (1:6:12)</b>	3.078	Cum	432.25	1329.1688	2585.15	7949.33625
4	Providing and laying cement concrete and curing complete excluding cost of centering and shuttering in foundation and plinth .CC 1:3:6	10.758	Cum	504.5	5425.8975	3244.7	34896.7485
5	Providing and laying cement concrete and curing complete excluding cost of centering and shuttering in foundation and plinth .PCC 1:2:4					0	0
6	Providing form work of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc.	69.74	SQM	47.5	3312.65	331.25	23101.375
	<b>Total Form Work</b>	78.15	SQM	20	1563	148.5	11605.275
7	1: Wire crate made of G.I wire with boulders with squarecut faces against the wire (boulderfilling to be measured and paid for seperately,G.i wire 4mm thick corresponding to swg-8 structure of crate wire	19.53125	Cum	107.35	2096.6797	664.9	12986.3281
8	2:boulder filling /back filling dry hand packed tightly in wire crates vertical bunds with slopping face(wire crates to be measured seperately.	1.25	cum	120.45	150.5625	979	1223.75
9	dry masonry of hard stone of approved quality in r/wall/h/wall.	0.2	Cum	200.45	40.09	797.5	159.5
10	stone filling behind r/wall					22779.175	106427.424
	<b>Total Cost</b>					0.15	0.15
	less 15% CP &OHC					3416.8763	15964.1136
	<b>net cost</b>					19362.299	90463.3103
	250% Labour enhancement						48405.747
	<b>Extra cost of material as per market rate</b>						34659
	<b>Total Cost of work</b>						Rs. = 485459.05
							485,000/-

*Certificate:-* That the Working estimate technically approved under the following conditions:-  
 1. the span shall be used for the carriage of material only.  
 2. this stone shall not be used for transportation of human beings.  
 3. At a time maximum 50kg load shall be allowed to transport in the tar span.  
 4. the tar span shall not be install in the public place / residential area and shall be away from the public place / residential area at sufficient distance to avoid any accident.

*Working estimate technically approved under to Rs. 485000/- only for the work.*

Divisional Forest Officer  
Rohru Forest Division Rohru

Executive Engineer  
B&R Division H.P.P.W.D.  
Dooda Kawar

*[Signature]*




**DETAIL OF MEASUREMENT & CALCULATION OF QUANTITIES**

Name of Work : C/o Tar Span from Kumsari to Near GSSS Kawar  
Proposed Estimate

No.	Description Of Item	No.	Measurements			Qty	Unit
			L	B	H/D		
1	Excavation in foundations, trenches etc., in earth work, lift up to 1.50 meters stacking the excavated soil not more than three meters clear from the edge of the excavation end then returning the stacked soil in 15 cm. Layers, when required in to plinths sides of foundations etc., consolidating each deposited layer by remaining and watering and then depositing of all surplus excavated earth as directed with in a lead of 20 meters . 50% pick and jumper work each	1	8.1	1.5	0.6	7.29	CUM
a	UP STREAM PORTION	2	5	1.5	0.6	9	CUM
	EXCAVATION	1	15	1.5	0.6	13.5	
	d/s portion	2	7.5	1.5	0.6	13.5	
		2	2.5	1.2	1.8	10.8	
	ROPE ANCHORING	4	0.6	0.6	1.2	1.728	
	FRONT standing GIRDER	4	0.45	0.45	0.9	0.729	
	front stopping girders	4	0.3	0.6	0.9	0.648	
	Garrari posts					57.195	Cum
	Total Excavation	0.5	8.1	3	1.2	14.58	CUM
2	cutting in earthwork.	0.5	5	2.5	1	6.25	
						20.83	Cum
3	Providing and laying cement concrete 1:6:12( 1cement 6sand 12aggr.) and curing complete excluding cost of centering and shuttering in foundation and plinth .	2	2.5	1.2	0.15	0.9	
	Over base of concrete mass	4	0.45	0.45	0.15	0.1215	
	base concrete					1.0215	Cum
	PCC 1:6:12						
4	Providing and laying cement concrete 1:3:6( 1cement 3sand 6aggr.) and curing complete excluding cost of centering and shuttering in foundation and plinth .	1	8.2	1.25	0.3	3.075	
						3.075	Cum
5	Providing and laying cement concrete 1:2:4( 1cement 2sand 4aggr.) and curing complete excluding cost of centering and shuttering in foundation and plinth .						
	mass concrete	2	2	1.1	1.8	7.92	
	girders	4	0.45	0.45	1.5	1.215	
		4	0.6	0.3	1.8	1.296	
		4	0.3	0.3	0.9	0.324	

					10.755	Cum
6	Providing form work of ordinary timber planking so as to give a rough finish including centering shuttering strutting and propping etc.	0	20		2.5	50
		8	1.8		1.2	17.28
		1	8.2		0.3	2.46
	<b>Total Form Work</b>					69.74 SQM
7	1: Wire crate made of G.I wire with boulders with squarecut faces against the wire (boulderfilling to be measured and paid for seperately,G.i wire 4mm thick corresponding to swg-8 structure of crate wire r wall	5		15.63		78.15 SQM
8	2:boulder filling /back filling dry hand packed tightly in wire crates vertical bunds with slopping face(wire crates to be measured seperately.	5	2.5	1.25	1.25	19.53125 CUM
9	dry masonry of hard stone of approved quality in r/wall/b/wall.	1	1	1	1.25	1.25 cum
10	Stone back filling behind retaining walls. @ 20% of total qty of r/wall.	1	1		0.2	0.2 CUM
		0	20	2	0.6	0
						0.2 CUM
11	spain material:-					
	wire rope 12mm dia	2	750			1500 rmt
	wire rope 8mm dia	2	750			1500 rmt
	indicator rope 6mmdia	1	750			750 rmt
	<b>MORE DETAILS GIVEN IN CONSUMPTION TABLE</b>					

checked by me 

consumption of material as per actual at site

Description of Items	Qty	c.f.mor.	c.f.cem	c/tonne	Cement	c.f.sand	sand/cum	c.f/agg.	agg./cum	c/f st	stone/brck
1/ps 1:2:4	10.755		0.32	20	68.832	0.445	4.785975	0.85	9.14175		
2/ps 1:6:12	1.0215		0.11	20	2.2473	0.47	0.480105	0.89	0.909135		
3/ps 1:3:6	3.075		0.22	20	13.53	0.47	1.44525	0.89	2.73675		
stone filling/SOLING	0.2			20	0	1.07	0		0		0.2
M/R mesonary 1:6	0	0.33	0.25		84.6093		6.71133		12.78764	1	0
Total Quantity				1.05	88.8398	bags					0.2

Difference in cost as per HPSSR 2009 and market cost

S.No	Item name	Quantity	Unit	HPSSR 2009	M/R	Difference	Amount
1	Cement	88.839765	bag	245	510	265	23542.5
2	Sand	6.71133	cum	300	5600	5300	35570
3	Aggrigate	12.787635	cum	350	5600	5250	67135.1
4	Stone filling/soling	0.2	cum	350	1500	1150	230
5	Form work	69.74	SQM	331.25	350	18.75	1307.63
6	mas. Stones	19.53125	cum	480	1500	1020	19921.9
Total Amount						RS.	147707

total

119471

Difference in cost as per actual Headload

Headloading distance 5 km+mechanical transport as per actual				
S.No	Item	Qty	Unit	Amount
1	Cement	88.83977	bag	150
2	Sand	6.71133	cum	4200
3	Aggrigate	12.78764	cum	100
4	Stone FILLING.	0.2	cum	20
5	girders	400	kg	0
6	Stone	19.53125	CUM.	150
7	spain mat.			2929.6875
TOTAL				75742.002

S.NO	ITEM	nos/ L	rate	AMT
1	wire rope 12mm dia	1500	80	120000
2	wire rope 8mm dia	1500	75	112500
3	6mm BALL ROPE	750	75	56250
7	chain pulley block 5	1	20000	20000
8	WIT on cap	2	10000	20000
9	trolley	4	3000	12000
10	garrari (c.b.t)	42	65	2730
11	u/bulldog clamp	0	3000	0
12	tool kit	0	3000	0
12	nut /bolts	46	50	2300
13	bichu bolt	27	30	810
				346590

Divisional Forest Officer  
Rohru Forest Division Rohru

No. JICA/Acctt/ 7689  
H. P. Forest Department.

Dated Shimla, the 27-2-24

From: C.C.F -cum- FCCU Shimla To: DFO - cum- DMU Rohru

Subject:- Regarding Approval for Two Business Plan of Dodra Kawar Range & Saraswati Nagar Range.

Memo:

Please refer to your office letter no Ft. JICA 246 on dated 12-12-2024 on the subject cited above.

In exercise of the powers delegated to the undersigned by Governing Body in the meeting held on dated 26.11.2020 received through letter no JICA/Marketing & Rural Financing/Vol-1/2680-2688 on dated 23.08.2023 from Adll. Pr. CCF & CPD (JICA-PIHPFEM&L) Shimla, the Business Plan of SHGs proposed recommended by you vide ibid quoted reference is hereby approved as per the details is given below

Sr. No	Division	VFDS	SHCs	Amount Approved (in Rs.)
1.	Rohru	Prerna VFDS Ruhil Malog	Samridhi	5,68,100/-
2.	Rohru	Rupin VFDS Kawar	Barara	9,10,000/-

Papers received are returned herewith in original and photocopy is kept herewith for record.

Encl:As above

26/02/2024  
Chief Conservator of Forest  
Shimla Forest Circle, Office  
Shimla.

1/c  
JICA  
14/3/24  
D6

INCC

No. JICA/Acctt/ 7615  
H. P. Forest Department.

Dated Shimla, the 22-2-24

From: C.C.F -cum- FCCU Shimla. To: DFO - cum- DMU Rohru

Subject:- Regarding Approval for two Business Plan of Dogra Kawar Range & Saraswati Nagar Range.

Memo: Please refer to your office letter no Ft. JICA 246 on dated 12.12.2024 on the subject cited above.

On scrutiny of the Business plan received vide ibid referred reference it has been noticed that the copy of revised business plan not found attached.

Therefore, you are directed to submit the proposal complete in all respects to the undersigned by deputing the well conversant people with the case enabling to this office proceed further. Papers received are returned herewith in original.

Encl: As above

22/02/2024  
Chief Conservator of Forest  
Shimla Forest Circle, Office  
Shimla.