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EVALUATION OF WORSTED SPINNING
MACHINE

Introduction

1. The project has been undertaken as requested by the Executive Director, Central Wool Development Board to assess soundness, age, condition of machine and its valuation of the following second hand imported machines :
 - i) Octir Card two cylinders (Italy) Model SAS2, 2.5 m wide.
 - ii) Two gill boxes Sant Andrea (Italy) Model No SN 10, 700 x 1000 m delivery
 - iii) Two combers Sant Andrea (Italy) Model PSD1, 700 x 1000 mm delivery.
 - iv) Pneumatic Bale Pressing
 - v) Humidifiers

2. A visit was undertaken by the undersigned to the M/s Akbar Worsted Spinning Mills (P) Ltd, 41 Industrial Estate, Zainkot, Srinanagar on ^{31st} May, 2012 to assess the machineries as listed above and to inspect its condition. *W*

Observation

3. The above machines are suitable to process the following super high quality speciality fibres for conversion to very fine fabrics for shawls, stoles and garments.
 - i) Cashmere/Pashmina .
 - ii) Angora Wool
 - iii) Fine wool and its blend with Marlboro silk
 - iv) Other fine wool of 15-17 micron.

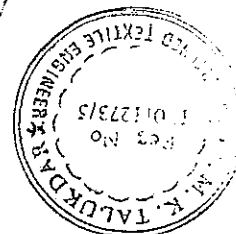
4. The machineries are in dismantled condition. Special care has been taken to protect the machines e.g. wrapping of card cylinders with jute threads. The photos of dismantled machines are attached.

5. It is observed that the machines are in good condition. However, experienced erectors are required to relocate, retrofit and start the machines.

6. The undersigned opines that there would not be any difficulty in retrofitting and start the machines.

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7. The machines are of mainly of mechanical nature and will be running at very slow speed.

8. Based on the condition and type of machines, it is estimated that the residual life of machines is at least 15 years with two shifts each of 8 hours working subjected to regular maintenance.

Similar observation has been made by Er Tahir Wahid , Approved Valuer dated 8th March, 2012

(Copy Attached).

Valuation Of Machines

9. Since no data is available with respect to value of the above mentioned imported machines, the following method has been adopted for estimating the replacement value, as well as computed valuation of the aforesaid machines as discussed below:

Methodology

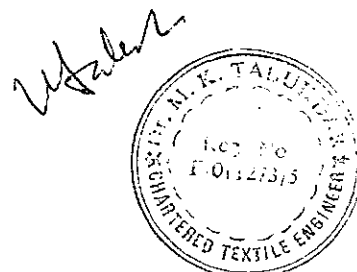
10. Estimated values as on 12.05.2012 for above mentioned machineries have been computed after considering the following aspects:

- i) Replacement value of similar / equivalent imported second hand machines
- ii) Total useful life of the equipments.
- iii) Present condition and the estimated future expected life.

Computation of cost of second hand machines

11. Market rate of equivalent second hand machines as quoted by Cash Fibres is given in enclosure.

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12. However, considering a probable discount of 15%, computed FOB price is shown as follows:

Sr No	Type of machine	No of Machines	Quoted price in £	Price after 15% discount in £
1	Carding	1	17000	14450
2	Gill Box	2	10000	8500
3	Comber	2	10000	8500

13. The freight cost of 13.79% is calculated based on the quotation given in the enclosure.

14. While calculating the landed cost, 34 % additional cost which comprises of 10% import duty, 12.3 % CVD, 5% clearing and forwarding has been considered.

Total Estimated value

15. Estimated replacement price is given below. Details are shown in the Table 1. The price is exclusive of erection charges and transportation

Sr No	Type of machine	Estimated price in Rs lakh
1	Carding	19.10
2	Gill Box	11.23
3	Comber	11.23
4.	Pneumatic bale press	1.25 (lump sum)
5.	Humidification	0.50 (lump sum)
Total		Rs 43.31 lakh

Conclusion

16. The machine parts are in good condition and will have usefull life of 15 years.

17. The estimated value of the machine excluding transportation and fitting is estimated at Rs 43.31 lakh

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Table 1. Landed cost of Similar Second hand machines

Sr No	Type of machine	No of machines	Basic price Ex Factory £	Freight Cost @ 13.79 % of machine value £	Cif price £	Exchange rate £ to Rs	Cif price Rs Lakh	Customs duty, cvd, clearing & Forwarding 34% Rs Lakh	Total landed cost Rs Lakh
1	Carding	1	14450	1993	16443	86.68	14.25	4.85	19.10
2	Gill box	2	8500	1172	9672	86.68	8.38	2.85	11.23
3	Comber	2	8500	1103	9103	86.68	8.38	2.85	11.23

M. K. ...
15/05/2012

DR. M. K. ...
Chartered ...
Reg. No. F - 012707 ... 12th Sept, 2008
Certified by the Institution of Engineers (India).

Er. Tahir Wahid
M.Engg.;F.I.V

Mobile: 9419916659
Res: 2440202

National Level Approved Valuer

(Consultant Engineer/ Chartered Engineer AM 57831)
Consultancy office: 35, Dr ali Jan Shopping Plaza, Srinagar.
Residence: BulBul Bagh, Barzulla, Srinagar.

(Registered Ministry of Finance G.O.I under Licence No 50689/95)

Ref. No: Misc/Mach-AW/2011012/11

Dated: 8th March, 2012

Subject: Residual Useful Life Of Spinning Machinery M/S Akbar Worsted

Certified that the following machinery as installed in the Unit M/S Akbar Worsted Spinning Mills Situated at 41-Industrial Estate Zainakote Srinagar J&K, shall have a residual useful life of **fifteen years** Subject Annual And Occasional Maintenance, better Machinery upkeep as is required for machines as also technology obsolescence. The opinion so framed is as per our inspection conducted recently and machines analysed component-wise.

S. No. General Description of Machinery

- | | | |
|---|--|---------------------|
| 1 | Octir Card two cylinders(Italian Made) | Octir Card Italy |
| 2 | Two Gill Boxes (Italian Made) | Saint Andrea Italy. |
| 3 | Two Combers for Processing of Short Staple Fine Wool | Saint Andrea Italy |
| 4 | Pneumatic Baling Press | Indian |
| 5 | Humidification System | Indian |

Issued without Prejudice

I am
Sincerely Yours

Approved Valuer/Chartered Engineer
(National Level) AM 57831
& Approved Valuer



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From: Cashfibres@aol.com [mailto:Cashfibres@aol.com]
Sent: Tuesday, January 17, 2012 5:16 PM
To: adilmir@pureweave.com
Subject: Machinery

Dear Adil

I hope that you are well.

Combing Plant

We have been looking around the second hand machinery market and together with what we already have we can offer as follows:

Roller Clearer Card at £17,000

Preparing Gill at £10,000

2 Combs at £5,000 each = £10,000

Finishing Gill at £10,000

Bump Press at £6,000

Cans x 60 at £50 each = £3,000

Humidification system and pipework = £2,000

Total cost of machinery = £58,000

In addition to the above we would need transport.

For two containers from UK to Srinagar (via Mumbai) we estimate the cost to be **£8,000**

2 fitters to install the plant at a cost of £1,000 each per week, plus flights at £1,500 each return. We estimate that fitting would take 3 - 4 weeks, with our production manager staying for a further 2 weeks training time. = Approx total cost of fitting, flights, training, hotels etc = **£15,000**

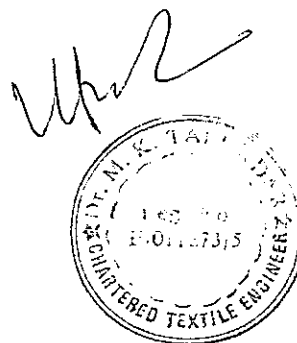
Approx total cost of machinery, plus shipment, installation and training = £81,000

To allow for unforeseen problems suggest you work on a cost of **£90,000 fitted.**

Prices have risen significantly for second hand machinery and on this quotation we have also included a card which was not on the original.

Please advise your thoughts.

Best regards
David



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SYNOPSIS OF THE PROJECT

Titled on:

**“AN EXPLORATIVE SURVEY OF THE WOOL
INDUSTRY FROM THE RAW MATERIAL TO
THE FINISHED PRODUCT IN INDIA”**

Sponsored by:

Central Wool Development Board (CWDB), Jodhpur
Ministry of Textiles, Government of India.

Conducted by:

Indian Institute Carpet Technology (IICT), Bhadohi
Ministry of Textiles, Government of India.

Objective of the project:

To collect various relevant statistical information for the betterment of woolen industry: Carpet, Textiles, Garments, etc with respect to utilization of Hand spun, Woolen, semi-worsted, worsted, Khadi & shoddy yarn.

Area to be covered:

A) Technical Perspectives:

- Raw Material Procurement & utilization,
- Technology involved
- Process control (Parameters & productivity)
- Appraisal of Product (quantity & quality)

B) Marketing Perspectives:

- Type(s) of Product & Product Mix.
- Market chain
- Product pricing
- Unit value Realization

C) Industrial Relationship Perspectives:

- Managerial Hierarchy pattern
- Type of Manpower (Skilled, Semi-skilled, Un-skilled)
- Productivity –Manpower Relationship
- Statutory Benefits.

Rationale of the study:

To conduct an explorative study on the status of Woolen sector / industries of India to prepare a data bank to make it a basis for decision making strategies for the betterment of woolen industry: Carpet, Textiles, Garments, etc.

Methodology

Following Steps may be adopted for the proposed survey:

1. Collection of data

- *Literatures/Councils/ Publication of Govt. Organization*
- *Questionnaire*
- *Scheduling.*
- *Site/Factory visit.*

2. Verification & Validation of data.

3. Summarization/Interpretation of Result of Survey.

4. Recommendations & Conclusion.

Questionnaire

ORGANIZATION'S PROFILE

1. Name of the Organization.....
2. Type of Organization: Registered Unregistered
3. Name of the registering body:
.....
4. Chief of the organization:.....
5. Name of the contact Person.....
6. Category: Micro Small Medium Large
7. Year of Establishment:.....
8. Address:.....
.....
City.....Dist.....State.....
Pin Code.....STD Code.....Office Contact
9. Mobile.....

WORKING PROFILE

Spinning Process:

Nature of work: Processing unit / Production unit

Total Quantity of raw material consumed per year:.....

(a)Indigenous (in %)...(b) imported (in %).....

Whether blending of other fibre is done: Yes No

If yes, please specify the fiber name:

Production per year(In house):.....

Production per year(out sourcing).....

Types of products: Worsted Semi-worsted woolen

Packaging of Products: Tops Hank Cone

Total waste (in %):.....

Type of waste (Section wise):.....

Whether waste recycled: Yes No

If yes, please specify reusability:.....

Required Testing done in: In-house Laboratory Outside

In case of in-house laboratory, please specify followings:

- (a) List of equipments
- (b) List of testing practices

In case of testing outside, please specify the name of laboratory(s):.....

No. of wool opener:.....

No. of Teaser:.....

No. of Cards (with make) :
(Type- condenser/sliver).....

No. of Gill Box (with make).....

No. of Combers (with make).....

No. of Rubbing frame /F.M. (with make).....

No. of ring frames (with make, no. of spindles & type of drafting)-
.....

No. of Reeling Machines (with make, spindles)
.....

No. of Scouring Machines (with make).....

(a) For raw wool.....(b) For Yarn

Type of Dryer: Dryer Machine Open air

In case of dryer, please specify No. of Dryer (with make).....

Type of Packaging system:.....

Productivity at each stage.....

Whether Humidification System available: Yes No

Whether dyeing facility available: Yes No

If yes, please specify the type of Dyeing:.....

Consumer of the products:.....

Weaving Process:

A) FOR CARPET:

Type of Manufactured product:

Knotted/ Tibetan Tufted Durries Hand Loom
Others (Specify separately)

Type of wool used: Indian/ Imported/ Both (Quantity, Ratio)

No. of Looms / Frames (Types, size)/ warping unit etc:

Size of carpet (usual):.....

Finishing Facility available: yes No

Type of Chemical / Herbal finishing followed:

Productivity (Meters)/ Month:

Type of Backing system followed (for Tufted/ Hand loom):

Latexing (Natural rubber/ synthetic) Others

Volume / Quantity of Waste:

Volume / Quantity of defectives produced:

Type of Packaging system:

B) FOR TEXTILES:

Type of Manufactured product: Woven Knitted

No. of machines in preparatory section (Type, Make, Size etc):

No. of Looms / Knitting Machines (Type, Make, Size):

Productivity (Meters) / day:

Volume / Quantity of Waste:

Volume / Quantity of defectives produced:

Type of Packaging system:

C) NON WOVENS:

Type of Manufactured product:

No. of machines in preparatory section (Type, Make, Size etc):

No. of Felting Machines (Type, Make, Size):

Productivity (Metres) / day:

Volume / Quantity of Waste:

Volume / Quantity of defectives produced:

Type of Packaging system:

MARKETING PRACTICES:

Type of product delivered: Domestic Export variety Both

Supply Chain (Mentioning Name of the parties involved):

Price/ Unit (Product/variety wise):

Annual Turnover:

INDUSTRIAL RELATIONSHIP MANAGEMENT:

Organizational Hierarchy:

No. of Manpower employed:

Type of Manpower: Regular/ contractual (through agency etc)

Type of Workforce: Skilled.....%, Semi skilled.....%,
Unskilled.....%

Absentee %:.....

Wages of Workers (Type & section wise).....

Incentives / Bonus (If any):

Statutory Benefits:

PF Gratuity Ex-gratia Medical facilities

ESI Leaves

Employee Turnover:.....

Views/Remarks of the Surveyor.....

Signature of Surveyor.....

(Mentioning Name, Designation, Organisation etc)

Signature of Head of the organization/ Resource Person of the organization.....

Signature of the Coordinator of the Survey.....

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Annex-VIII



भारतीय कालीन प्रौद्योगिकी संस्थान

(आई.एस.ओ. 9001 : 2000 प्रमाणित),

विकास आयुक्त (हस्तशिल्प), वस्त्र मंत्रालय, भारत सरकार, के अधीन

30 प्रौद्योगिकी विश्वविद्यालय द्वारा सम्बद्ध एवं अभातशिप, अधिल भारतीय तकनीकी शिक्षा परिषद, भारत सरकार द्वारा अनुमोदित

INDIAN INSTITUTE OF CARPET TECHNOLOGY

(ISO 9001 : 2000 Certified)

Under aegis of the Development Commissioner (Handicrafts), Ministry of Textiles, Govt. of India
Affiliated with U.P. Technical University & Approved by AICTE, Govt. of India

No.1/CPC/IICT/2010-11/22-4

Date: 31.05.2012

To,
Shri K. K. Goyal,
Executive Director,
Central Wool Development Board,
Ministry of Textiles, Govt. of India,
C-3, Shastri Nagar, Near Shastri Circle,
Jodhpur – 342003 (Rajsthan).

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Sub: Methodology and Questionnaire for Survey of Wool Industry –reg.

Sir,


Please refer our proposal for survey of wool industry in India and subsequent discussion in the board meeting of CWDB held on 21.05.2012 at Jodhpur. We are submitting the tentative methodology and Questionnaire for the proposed survey to be done by IICT. Revised financial implication for the said project is as under:

FINANCIAL IMPLICATIONS (In Lakh)

S. No.	Details	Amount
1.	Survey campaign expenses	10.00
2.	Coordination charges (It includes consumable items, expenditure incurred on project team including TA/DA/telephone/mobile/INTERNET/, etc)	15.00
3.	Honorarium to the project team engaged for the purpose	5.00
4.	Other Miscellaneous expenses	5.00
	Total Project cost*	35.00

*Excludes institutional overhead @ 20% of total project cost.

Enci: As above.


Prof. (Dr) K. K. Goswami
Director



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