

39th EXECUTIVE COMMITTEE MEETING



Central Wool Development Board

Ministry of Textiles

Government of India

7th Feb., 2012

New Delhi

AGENDA ITEM FOR 39th EXECUTIVE COMMITTEE MEETING

A. Under 11th Plan Programme

SN	Agenda item	Page
1	Confirmation of the minutes of the 38 th meeting of the Executive Committee held on 16.08.2011.	2
2	Action Taken Report on the decisions of the last E.C. Meeting.	2
3	Discussion of Board's progress so far under Annual Plan 2011-12.	3
4	Approval for participation in TEX-TRENDS India, Dilli Hatt and a new proposal received from Director/ Industries (Govt. of Jharkhand) for participation at Mega Industrial Fair Ranchi.	3
5	To give permission for procurement of second hand Imported Machineries to M/s Pureweave Fashions Pvt. Ltd. Srinagar Under Quality Processing of Wool Scheme for common Facility Centre sanctioned in previous EC meeting.	4
6	Permission to procure Rams by State Govt. agencies at market price and re-appropriation of funds from one component to other for utilization of funds within the over all fund sanctioned by CWDB under S.W.I.S. & R&D.	6
7	To consider the proposal of LAHDC, Leh for Rs. 5.0 Crore under Revolving Fund scheme for procurement of Pashmina wool.	7

B. Under 12th Plan Proposal

8	Proposal for starting a Carpet Weaving Training Centre at Jaipur, a Shawl Weaving Training Centre at Mount Abu (Sirohi), Rajasthan and upgradation of Weaving & Designing Training Centre, Kullu.	8
9	Participation by CWDB in Made in India shows organized by WOOLTEXPRO, Mumbai.	10
10	Preparatory work for development of Wool Research Association as Centre of Excellence for wool.	11
11	Formation of a Committee for prepratrion of component, details with financial and physical norms, performa, guidelines etc. for the schemes proposed for 12 th Five Year Plan of Board.	12
12	To conduct survey of Woollen Industry under HRD & Promotional Activities.	12
13	The proposal of WOOLTEXPRO for participating in I.W.T.O. Conference at New York under HRD Scheme of CWDB.	14
14	To make provision for creation of Wool/Woollen Yarn Bank in North Eastern region (including processing and training centre) and in J&K State	14
	Any other item with the permission of the chair.	

List of Annexures

Annex./Agenda No.	Page No.
I	16 – 21
II	22
III	23
IV	24 – 33
V	34 – 35
VI	36 - 41
VII	42 – 44

**AGENDA POINTS FOR 39th EXECUTIVE COMMITTEE
MEETING OF C.W.D.B. TO BE HELD ON 7-02-2012**

1. CONFIRMATION OF THE MINUTES OF THE 38TH MEETING OF THE EXECUTIVE COMMITTEE HELD ON 16.08.2011

The 38th meeting of the Executive Committee of Central Wool Development Board (CWDB) was presided over by Shri V. Srinivas, Joint Secretary, MOT and Chairman, CWDB. The minutes of the meeting is enclosed as **Annexure- I** for confirmation. (Page no. 16 to 21)

2. ACTION TAKEN REPORT ON THE DECISIONS OF THE LAST E.C. MEETING.

A statement showing Action Taken Report on the decisions of the 38th meeting of Executive Committee of the CWDB held on 16-08-2011 at New Delhi is as under:

SN	Decisions	Follow up action taken
1	Approval of pending project proposals as recommended by 18 th Project Committee meeting.	The Board issued Sanction Orders for all projects approved under Angora Wool Development Scheme, CFC under Quality Processing of Wool and Woollen Expos under HRD & Publicity Scheme.
2	Approval for increased cost of machinery for R&D project sanctioned in favour of CSWRI, Avikanagar.	The Board sanctioned increased cost of Rs. 8.20 lakh under R&D project for "Development of up-graded utilization techniques for the wool produced in South Peninsular region of the country."
3	Decision on two CFCs being sanctioned under Quality Processing of Wool scheme for whom one CFC have already been sanctioned in the past and they have applied again for another CFC for different activity and machinery at Kullu and Mandi (H.P.)	Both Common Facility Centres (CFC) have been sanctioned in favour of Mahadev Woollen Mills, Mandi and Shikhar Handloom Weavers Coop. Society, Kullu. For Shikhar Handloom Weavers Coop. Society, Kullu separate approval of JS/MOT have been obtained showing utilization of fund in previous projects in other scheme including a CFC.

4	To participate in Golden Jubilee Seminar being organized by CSWRI at Jaipur on “Prospects and Retrospect of Small Ruminant and Rabbit Production : Contribution to Socio-economic Security”.	The Board has released Rs. 5.00 lakh in favour of CSWRI to organize the National Seminar in association with ISSGPU (Indian Society for Sheep and Goat Production and utilization).
5	Re-appropriation of funds under different schemes of the CWDB under 11 th Five Year Plan within total plan allocation of Rs. 67.16 Crore.	The Board has taken up the matter with the MOT to grant approval for re-appropriation of funds during current financial year 2011-12.

3. DISCUSSION OF BOARD’S PROGRESS SO FAR UNDER ANNUAL PLAN 2011-12.

The Ministry of Textiles has allocated Rs. 13.04 Crore to the Central Wool Development Board (CWDB) for the Annual Plan 2011-12 to implement its various Plan Schemes and Programmes. Against this allocation, the MOT has already released Rs. 6.25 Crore and submitted the Utilization Certificate and requested MOT to release the next installment. On the Non-Plan side, the MOT has allocated and released Rs. 1.50 Crs under Non-Plan expenditure of Board and the Board has utilized Rs 1.25 Crs upto 31st Jan.,2012. Due to reduction in Non- Plan grant to Board, contribution towards Gratuity (approx. Rs. 25.0 Lakhs) to LIC could not be paid during 2011-12. A statement showing BE/RE of Annual Plan 2011-12 and scheme wise achievements/ utilization made so far under Plan fund is attached as **Annexure-II. (Page no. 22)**.

4. APPROVAL FOR PARTICIPATION IN TEX-TRENDS INDIA, DILLI HATT AND A NEW PROPOSAL RECEIVED FROM DIRECTOR, INDUSTRIES (GOVT. OF JHARKHAND) FOR PARTICIPATION AT MEGA INDUSTRIAL FAIR, RANCHI.

A. POST FACTO APPROVAL FOR PARTICIPATION IN TEX-TRENDS INDIA AND IN DILLI HATT.

The Board hires stalls in bigger exhibitions/ fairs and allot these to weavers, Craftsmen, small wool Growers and Societies to promote sale of wool and woollen products, to increase awareness in favor of woollen products, to expose

weavers/manufacturer to new woollen markets and to launch new woollen products/designs for trial and promotion.

As per decision of last EC meeting, the Board has sanctioned 15 Woollen Expos and all these have already been organized. Besides it, the Board also participated in two more Woollen Expo at Delhi Hatt and Pragati Maidan, (TEX-TRENDS INDIA) New Delhi in association with the office of the Development Commissioner (Handicraft) and Wool Industry Export Promotion Council (WOOLTEXPRO) Mumbai and the Board has already released Rs. 3.03 lakh and Rs. 14.81 lakh (excluding taxes & other misc. expenses if any which is to be paid at the time of submission of actual Bill and UC by WOOLTEXPRO) subject to post facto approval of EC.

B. DISCUSSION AND APPROVAL FOR PROPOSALS RECEIVED FROM DIRECTOR (INDUSTRIES) / GOVT. OF JHARKHAND UNDER WOOLLEN EXPO SCHEME AT RANCHI DURING 2011-12.

The Board has received a proposal from Director, Industries, Govt. of Jharkhand, Ranchi for participation in Mega Industrial Fair to be organized at Ranchi (Jharkhand) from 19th Feb. to 26th Feb.,2012. This industrial fair is to be organized by Indian International Trade Event Organization, (IITEO) New Delhi & Dainik Bhaskar Group, Ranchi in association with the State Government. Ranchi lies in colder region and there are chances of good sale of Woollen Items and if Weavers, Small Wool Growers and Societies participate they will be benefitted and people of the region will also be aware about different schemes being implemented by CWDB for Wool and Woollen development.

As above, the matter is placed before the EC for post-facto approval regarding participation in TEX-TRENDS INDIA & Delhi Hatt Expos and also for approval for participation in Woollen Expos to be organized at Ranchi during the current financial year 2011-12 by hiring of stalls at rate prescribed Rs. 4,000/- Sq. meter (excluding Service Tax) subject to over all financial limit of Rs. 14 lakhs as prescribed in the scheme.

5. TO GIVE PERMISSION FOR PROCUREMENT OF SECOND HAND IMPORTED MACHINERIES TO M/s. PUREWEAVE FASHIONS PVT. LTD., SRINAGAR UNDER QUALITY PROCESSION OF WOOL SCHEME FOR COMMON FACILITY CENTRE ALREADY SANCTIONED IN PREVIOUS EC MEETING.

38th Executive Committee of the Board sanctioned a Common Facility Centre under Quality Processing of Wool scheme of Board for Scouring & Combing for cashmere, merino and local wool at Ranganeth, Srinagar. The agency proposed to import Carding, gill boxes and Combing Plant (Second hand) alongwith scouring, hydro, dryer and boiler from local supplier with total machineries cost of Rs. 59.25 lakh (including shipping, duties, fitting etc.)

After approval of the Project, Agency tried its best to find such suitable machines in Europe and in other countries but after six months of search the agency informed that due to internal demand of such machines in Europe some of the intermediary machines were not available and their efforts did not materialized. Meanwhile, they made extensive search for such proven machines already imported in India and recently identified such combing lines machines in India. These Machines are in good working condition and proven for combing Pashmina and fine wool of short staple length, and they proposed to procure the same under above CFC.

Pure Weave Fashions Pvt Ltd. requested to give permission to procure second hand imported machineries from India presently in good working conditions. The Agency also stated that procurement of imported available second hand machineries from local market will also save huge import duty, transportation cost and time.

As above, looking at long formalities/procedure for import of second hand machineries and remaining period of just two month of this 11th Plan period, it is proposed to procure available second hand imported machineries in India presently working in good conditions.

In this regards, a Committee comprising the technical representatives from Wool Research Association, Central Sheep & Wool Research Institute and CWDB may inspect the proposed imported machineries regarding cost of machineries, residual life, working capacity of machineries to be procured and for taking a conscious decision on spot for establishing the CFC during current financial year 2011-12.

As above, the matter is placed before the Executive Committee to allow the Pure Weave Fashions Pvt Ltd. to procure the already imported machines after inspection of machines by a committee comprising the technical representatives from Wool Research Association Thane, Central Sheep & Wool Research Institute, Avikanagar and CWDB, Jodhpur so that CFC can be installed in 2011-12.

6. PERMISSION TO PROCURE RAMS BY STATE GOVT. AGENCIES AT MARKET PRICE AND RE-APPROPRIATION OF FUNDS FROM ONE COMPONENT TO ANOTHER FOR UTILIZATION OF FUNDS WITHIN THE OVER ALL FUND SANCTIONED BY CWDB UNDER THE SCHEME/ R&D PROJECTS.

Under breed improvement components of 'Sheep & Wool Improvement Scheme' (SWIS), there is a provision of upto Rs. 4,000/-(including cost of transportation, feed and insurance charges etc) to distribute good quality breedable Rams for increasing quality and quantity of indigenous wool . During implementation of scheme in field, State Govt. agencies reported that best quality breedable Rams are not available within this financial limit. The Board has received letters from various Govt. Agencies from Karnataka, Jammu & Kashmir, Himachal Pradesh, Utrakhand and Rajasthan to allow them to procure Ram at market price within the overall fund sanctioned so that sheep breeders can be benefitted and fund allocated for the same can be utilized.

It is also to be noted that under other Identical Govt. Schemes which involve distribution of Ram, financial limit is very high like under RKVY (Rashtriya Krishi Vikash Yojana) upper limit for Procurement of Ram is Rs. 7500/-.

Some of the letters received from different Implementing Agencies like the Secretary, Animal Husbandry Deptt., Govt. of J. & K., Karnataka Sheep & Wool Development Corporation and Veterinary College, Bikaner (implementing agencies) are attached as **Annexure-VI**. (Page no. 36 to 41)

Due to higher market rate State Govt. agencies are not able to utilize the fund, the project implementation is suffering and the grant allocated is remaining unutilized and intended beneficiaries are denied the benefit of the schemes.

Some State Govt. Agencies has also requested Board to permit Re-appropriation of funds from one components to another within the overall fund sanctioned to them as per conditions in their State so that sheep breeders can be benefitted. This is the last year of this Plan and this permission will help in better utilization of funds.

Agency-wise position of utilization of funds under Breed Improvement component of Sheep & Wool Improvement Scheme being implemented by State Government Departments/Organizations/Boards during 11th Plan are as under :

(Rs. in lakhs)

SN	Name of agency	Fund released	Fund utilized	Fund unspent
1	Rajasthan Livestock Development Board, Govt. of Rajasthan, Jaipur.	30.00	06.00	24.00
2	Karnataka State Sheep & Wool Development Corporation, Bangalore	18.00	05.60	12.40
3	J&K State Sheep and Sheep Products Development Board, Govt. of J.& K., Jammu	80.00	43.12	36.88
4	College of Veterinary and Animal Science, Bikaner (Rajasthan)	24.00	13.00	11.00
5	Punyapashlok Ahilyadevi Maharashtra Mendhi va Sheli Vikas Mahamandal Limited, Govt. of Maharashtra, Pune	21.00	11.76	09.24
6	Central Sheep & Wool Research Institute (ICAR), Avikanagar, Jaipur (Raj.)	10.00	2.06	07.94
7	Central Sheep & Wool Research Institute (an unit of ICAR), Tamilnadu	07.50	00	07.50
8	H.P. State Cooperative Wool Procurement and Marketing Federation Ltd., Shimla	157.50	16.50	141.00
9	Uttarakhand Sheep and Wool Development Board, Govt. of Uttarakhand, Dehradun.	30.00	10.41	19.59
	Total	378.00	108.45	269.55

As above, the matter is placed before the Executive Committee for permission to procure Rams by State Govt. agencies on market price and to permit them (if required) to re-appropriate the funds from one component to another within the overall funds sanctioned by CWDB under the schemes and in R&D projects.

7. TO CONSIDER THE PROPOSAL OF LAHDC, LEH FOR Rs. 5.0 CRORE UNDER REVOLVING FUND SCHEME FOR PROCUREMENT OF PASHMINA WOOL.

The Board has received letter No. 11/6/2010-W&WT dated 18.01.2012 from Ministry of Textiles to consider the proposal of Executive Councilor (Tourism/Sheep Husbandry), Ladakh Autonomous Hill Development Council (LAHDC), to provide financial assistance of Rs. 5.0 Crs as additional grant of Revolving Fund for marketing of Pashmina wool in Ladakh region.

As per proposal LAHDC mentioned that the production of Pashmina wool is about 47873 Kgs. per year and total cost of the quantity produced at the present purchase rate is of Rs. 8.85 crore. Out of it only 18000 Kgs of raw Pashmina worth Rs. 3.33 crore was purchased during the year and rest of the Pashmina was not procured due to insufficient funds available with them.

It is also to be noted that a Pashmina de-hairing Plant has been installed at Leh and all the Pashmina Procured is de-haired in the plant and if less amount is procured then this plant will be underutilized.

The Board has already released Rs. 0.50 Crore & Rs. 1.00 crore to CEO, LAHDC, Leh under Revolving Fund component during 2010-11 & 2011-12, respectively for marketing of Pashmina wool. Procurement of Pashmina wool during last 5 years by LAHDC, Leh are as under :

SN	Year of purchase	Raw pashmina purchased in Quantity	Rate Amount in Rs.	Amount in Rs.
1	2007-08	8147 Kgs.	1500	1,22,20,500
2	2008-09	6323 Kgs.	1500	94,84,500
3	2009-10	7513 Kgs.	1500	1,12,69,500
4	2010-11	3000 Kgs.	1500	45,00,000
5	2011-12	14705 Kgs.	1500-1700	2,18,42,876

As above, the matter is placed before the Executive Committee for release of Rs. 1.0 Crore as an additional fund to LAHDC, Leh under the scheme of 'Revolving Fund for marketing of raw wool' subject to availability of fund or saving under ongoing schemes in current financial year.

8. PROPOSAL FOR STARTING A CARPET WEAVING TRAINING CENTRE AT JAIPUR, A SHAWL WEAVING TRAINING CENTRE AT MOUNT ABU (SIROHI), RAJ. AND UPGRADATION OF WEAVING & DESIGNING TRAINING CENTRE, KULLU.

A. Carpet Weaving Training Centre at Jaipur :

Rajasthan is a major producer of domestic raw wool and woollen products specially carpets. Major carpet yarn production center in India is Bikaner. Jaipur and its near by area is the biggest carpet manufacturing and exporting center of

Rajasthan and has nearly 20% market share in total Indian carpet export. Jaipur carpet industry is providing employment to approx. 1.0 Lakh people especially belonging to economically weaker section of society. In carpet manufacturing more than 60% of cost of carpet is paid as wages which is very rare in other industry. The wages directly goes to labours and is the main source of income.

Carpet manufactured in Jaipur are well known internationally for their ethnic designs and Jaipur has the highest no. of foreign tourist inflow and so there is a potential for its further growth in carpet manufacturing. In recent years carpet export have also increased but there is serious shortage of skilled labourers therefore starting a training Centre at Jaipur will be very helpful for the industry in providing skilled labourers and will be a source of livelihood to trained personnel. Approx. expenditure for starting a Training Centre will be Rs. 16 lakhs. Necessary Looms and other equipments will be procured in association with IICT Bhadohi. Expenditure detail is attached as **Annexure: III-A.** (Page no. 23)

B. Shawl Weaving Training Centre at Mount Abu :

The Board has sanctioned two projects under Angora Wool Development programme in hilly area of Rajasthan (Mount Abu : Sirohi) on pilot project basis for rearing of Angora rabbits and to establish a Common Facility-cum-Training Centre for providing training to handloom weavers and spinners to utilize Angora wool. Recently ED/ CWDB visited the area and found that there is need of a shawl weaving Training Centre in the area and it will be a great help to women/ girls of nearby rural area in generating employment opportunity and in long run this area may be developed as a major Shawl Weaving centre like Kullu where CWDB is already running a Training Centre.

Approx. Expenditure for starting a Shawl Weaving Training Centre will be Rs. 12 Lakhs. Details of Expenditure is attached as **Annexure: III-B.** (Page no. 23)

C. Proposal for upgradation of Weaving and Designing Training Center, Kullu

Board is running a Weaving and Designing Training center at Kullu since 2000. This center is generating skill in the unemployed youth specially in women and girls of nearby rural area and is also helping in upgradation of skills in the existing weavers by providing training in handloom weaving by conducting 4 month course on regular basis of 15 trainees per batch.

Now keeping in view the increasing demand of skilled person in handloom weaving, Board intends to upgrade the capacity from 15 trainees to 20 Trainies per batch and after 1 year to 30 Trainies per batch. It is also to be stated that most of the loom and other accessories were purchased during starting of this centre in 2000 and require replacement/ repairing. For upgrading this centre, Board will hire more space, looms and furniture with additional expenditure of Rs. 7 lakhs.

As above, the matter is placed before the Executive Committee for discussion and approval (a) To set up Carpet Weaving Training Centre at Jaipur (b) To set up shawl Weaving Training Centre at Mount Abu (Sirohi) (c) To Upgrade the Weaving and Designing Training center at kullu with approx. cost of Rs. 35 lakhs for all.

9. PARTICIPATION BY CWDB IN ‘MADE IN INDIA SHOW’ ORGANIZED BY ‘WOOLTEXPRO’, MUMBAI.

Wool Industry Export Promotion Council, Mumbai, every year organizes some Exhibition (MAI proposed event) having duration of 3 days at major fashion hub of Textiles in the world. The exhibition focused B2B exhibitions for enhancing exports of Worsted and Woollen yarn as well its various products like-fabrics, knitwear’s, shawls, scarves, carpet etc.

India is a leading manufacturer and exporter of the worsted/woolen yarn and its products. Many of these products are being made on very small scale by small societies, entrepreneurs’ & Wool Growers but these small players are not able to participate and exhibit their products in these textile exhibitions held globally due to expenses involved and only big players/exporters and manufacturer participate.

To expose or made available worsted/woolen products of these small players in the international market some more efforts are needed. This could be done by collecting the export potential products/samples from their respective production centers and exhibiting them in the international exhibitions. Thus various products will be available at one place to different buyers during these international exhibitions. This will expose product made from small players to new international market, will launch these new products/designs for trial and promotion and will increase our wool and woollen export.

So it is proposed that official from Board having long association of working with Wool Industry and having knowledge of woollen products may participate in these Exhibitions with woollen products/samples from these small players for obtaining further order. The expenditure will be provided from HRD and Marketing

activities scheme of CWDB. Approximate expenditure for every such event will be Rs. 2-3 lakhs.

As above the matter is placed before the Executive Committee for approval of participation of CWDB technical officials in the Textile Exhibition (MAI proposed event) to be organized by Wool Industry Export Promotion Council (WOOLTEXPRO), Mumbai and Wool and Woollen Export Promotion Council. (WWPEC)

10. PREPARATORY WORK FOR DEVELOPMENT OF ‘WOOL RESEARCH ASSOCIATION’ AS CENTRE OF EXCELLENCE FOR WOOL.

A proposal for development of WRA as Centre of Excellence for Wool and Woollen have been recommended by sub group which was formed to recommend measures for wool and Woollen development during 12th Plan and Rs. 8 crores have been allocated to it. WRA had submitted a proposal in this regards (**Annexures - IV : Page No. 24 to 33**) which involves many activities including procurement of large no. of testing and other pilot wool processing plan and equipment which is as under;

- Pilot plant consisting of wool processing state –of –the art machineries for mechanical and chemical processing.
- Latest technology testing equipments for laboratory.
- Up gradation of eco testing laboratory with modern instruments.
- Establishment of information centre.
- Teaching Aids

Proposed cost of upgradation of laboratories/pilot plant is as under:

S.No.	Department	Capital Cost Rs. Crores
1	Pilot Plant (Mechanical Processing)	Rs. 2.5 Crores
2	Pilot Plant (Chemical Processing)	Rs. 2.0 Crores
3	Textile Testing Laboratory	Rs. 3.0 Crores
4	Eco-Testing Laboratory	Rs. 1.0 Crores
5	Teaching Aids	Rs. 0.5 Crores
6	Information Centre	Rs. 1.0 Crores
	TOTAL	Rs. 10.00 Crores

As this has been included in the recommendations, it will surely be sanctioned though total amount under this head may vary. If Executive Committee approved the proposal in principle, WRA can go ahead with initial preparation including invitation of tender for procurement of some very essential machinery and equipments so that Centre can be start early.

11. FORMATION OF A COMMITTEE FOR PREPARATION OF COMPONENT DETAILS WITH FINANCIAL AND PHYSICAL NORMS, PERFORMA, GUIDELINES ETC. FOR THE SCHEMES PROPOSED FOR 12TH FIVE YEAR PLAN OF BOARD.

The Sub-Group formed for recommending measures for development of Wool and Woollen Textiles during 12th Plan had already submitted its report to Ministry of Textiles containing schemes along with components wise budget requirement. Now before the project proposals are invited for implementation of schemes, following issues are to be settled so that only eligible agencies apply for projects such as :

- Performa for inviting application from Implementing Agencies.
- Eligibility Criteria for considering a project proposals received from NGO/ Private individual / Society etc under different schemes.
- Measures which will state whether scheme is being implemented successfully or not in the field and a fool proof criteria for release of next installment.

To decide these and other similar issues, a Committee of following officials may be formed :

- Director, WRA.
- Director, IICT.
- Director, CSWRI.
- Executive Director, CWDB.

The committee will met and finalised the issues mentioned above and submit the report to the Executive Committee for approval within 2 months.

The matter is placed before the Executive Committee for approval of the above Committee.

12. TO CONDUCT SURVEY OF WOOLLEN INDUSTRY UNDER HRD & PROMOTIONAL ACTIVITIES :

At present serious information gap exists for wool sector in regard the statistics of various activities. There is no central point in the Government where consolidated statistics and information is available. The wool industry in the country has various segments. The every segment functions almost independently and there is no coordination and interaction between one segment to another. Any information related to woollen industry is provided by Ministry of Agriculture, Textiles Commissioners office or by IWMF/ WOOLTEXPRO/DGCIS. Some of the data which have been included in last Working Group Reports for 9th Plan, 10th Plan, 11th Plan and 12th Plan clearly shows contradictions in these data.

No survey in this regard have been conducted in last 20 years and it would be very helpful if a survey got conducted of woollen industry in the country related to no. of Units, installed capacity for different processing activity like Scouring, combing, spinning, dyeing etc. and production of different woollen products.

This survey can be done through professional consulting agency like D&B, PWC, Mackenzie etc. but the woollen industry in the country is divided & scattered between the organized and decentralized sectors. The organized sector consists of: Composite mills, Combing units, Worsted and non worsted spinning units, Knitwear's, Woven Garments units and Machine made carpets manufacturing units. Decentralize Sector includes Hosiery and knitting, Power-looms, Hand knotted carpets, Druggets, Namdas, Independent dyeing units, Process houses and Woollen Handloom Sector. These big consulting agencies for completing the survey work will be dependent on some other agencies for domain knowledge which not only increase the total cost of survey work but will also increase the total time required. On the other hand, this work can also be assigned to WRA, IICT, Textiles Committee which are familiar with wool sector including its subsectors and are also part of the Textiles Ministry.

The matter have been discussed with WRA and a concept note have also been submitted (**attached as Annexure-V : Page no. 34 to 35**) but total cost of this survey have not been worked out till now. During Discussion with Director WRA, he stated that approx. cost for this survey will be from Rs. 40 -50 Lakhs of Rupees as large no. of staff have to stay for longer period in wool activity centres like Panipat, Bikaner, Bhadohi, Ludhiana, Amritsar, Shrinagar, Beawar, Kekri, Jaipur etc. This survey is very essential as it will be a great help while preparing SFC Note for different CWDB schemes for next Plan.

As above, the matter is placed before the Executive Committee for discussion and in principle approval to conduct Survey of woollen industry under HRD and Promotional Activity (IWIDP) of Board .

13. THE PROPOSAL OF 'WOOLTEXPRO' FOR PARTICIPATING IN I.W.T.O. CONFERENCE AT NEW YORK UNDER HRD SCHEME OF CWDB.

The Board has a programme of International Co-operation under Human Resource Development component of 'Integrated Wool Improvement & Development Programme' (IWIDP) scheme with financial provision of Rs. 5.00 lakh per visit for 1-2 person to different countries, collaboration with reputed international organizations and attending international Conference and training programme related to Wool & Woollen sector.

The Wool Industry Export Promotion Council, Mumbai (WOOLTEXPRO) had sent a proposal mentioning that their Council along with IWMF and WRA are National Body of International Wool Textiles Organization (IWTO) and requested to sanction funds for attending IWTO Conference in New York under the scheme of the CWDB and had furnished detail about these Conference. As per sanctioned scheme for any such event a financial assistance of Rs. 5 Lakhs can be provided under International Co-operation.

The Project Committee has recommended the proposal to the Executive Committee for approval to attend IWTO Conference at New York under Board's scheme with financial assistance of Rs. 5 lakh during FY 2011-12, received from Wool Industry Export Promotion Council, Mumbai (WOOLTEXPRO).

As above, the matter is placed before the Executive Committee to participate in next IWTO Conference at New York in May, 2012 subject to total financial assistance of Rs. 5.0 Lakhs.

14. TO CONSIDER THE PROPOSAL RECEIVED FROM MINISTRY FOR CREATION OF WOOL/WOOLLEN YARN BANK IN NORTH EASTERN REGION (INCLUDING PROCESSING AND TRAINING CENTRE) AND IN J&K STATE

The Board has received a proposal from Indian Chamber of Commerce, Calcutta for creation of Wool/Woollen Yarn Bank in North Eastern region (including processing and training centre) during 12th Five Year Plan and emphasised need to take initiative in procuring/ processing/ producing and marketing of woollen at appropriate government level in North Eastern region. Copy of the letter is enclosed as **Annexure-VII (Page No. 42 to 44)**.

North Eastern region is comprised mainly of hilly States where the duration of winter lasts longer therefore the demand of woollen products is huge. The traditional handloom weaving is also practiced as house hold industry in the region. The positive efforts can also help in supply the woollen products to army situated at border.

Similarly 4th report of J & K Interlocutors appointed by Govt. of India has recommended establishing Wool Bank in J. & K. State after holding dialogue with all section of people though no such proposal have been received by CWDB from J&K Sheep and Wool Board or any other Agency of J&K Govt.

The matter is placed before the EC for discussion and to solicit views from EC members, “how this wool Bank can be established” so that accordingly project proposals can be invited from Appropriate Authorities working in the area and processed for necessary approval.

ANNEXURE - I

Minutes of the 38th Executive Committee Meeting held on 16/08/2011 at Udyog Bhavan, New Delhi

The 38th Meeting of the Executive Committee of the CWDB was held under the chairmanship of Shri V. Srinivas, Joint Secretary, MOT and Vice Chairman, CWDB at Udyog Bhawan, New Delhi on 16th August 2011 at 10.30 AM.

Following members participated in the meeting:

1. Mrs. Santha Thampi, Dy. Secretary (IFW), MOT, New Delhi.
2. Shri T.R.Rao, Sr. Scientist, Wool Research Association (WRA), Thane.
3. Dr. D.B. Shakyawar, Pr. Scientist, CSWRI, Avikanagar,
4. Dr. Pradeep Sarsawat, Jt. Director – representative of the Director, Animal Husbandry Deptt., Govt. of Rajasthan, Jaipur.
5. Shri Mahesh N. Sanil, General Secretary, IWMAF & ED, WOOLTEXPRO, Mumbai.
6. Shri K.K.Goyal Executive Director, CWDB, Jodhpur.

Members absent:

1. The Textile Commissioner, Mumbai
2. The Adviser (VSI), Planning Commission, Yojana Bhawan, New Delhi.

In Attendance:

1. Shri Anurag Purohit, Technical Officer, CWDB, Jodhpur.

Leave of absence was granted to members absent.

Shri K.K.Goyal, Executive Director, CWDB, Jodhpur welcomed the members and gave brief introduction and invited point-wise discussion on the agenda.

1. Confirmation of the minutes of 37th meeting of the Executive Committee held on 03/03/2011 at New Delhi.

Since no comments were received, the minutes of 37th meeting of the Executive Committee of the CWDB were confirmed.

2. Action taken report on the decisions of the 36th meetings of the Executive Committee of the Board.

Executive Director, CWDB placed statements showing Action Taken Report (ATR) on the decisions of last Executive Committee meetings and after detailed discussion Executive Committee approved it.

3. Discussion and approval of pending project proposals as recommended by 18th meeting of the Project Committee of the Board

I. Name of Scheme : Angora Wool Development scheme

ED, CWDB explained the scheme to all members of the Executive Committee and assistance provided to Angora rabbit rearers under the scheme and also stated total 400 families were to be covered in the 11th Five Year Plan under the scheme and 320 families had already been covered and for 80 families new projects are to be sanctioned. Under the same scheme Common Facility Centre cum Training Centres are also sanctioned. After detailed discussion Executive Committee approved Angora Development Project & CFC-cum-Training Centre to agencies as under: -

A. Establishment of Mini Angora Rabbit Farms :

S N	Name of Agency	Project Cost (2 years)	No. of Families	Requirement for 1 st Year
1	The Shikhar Handloom & Handicraft Weavers Welfare Production-cum-sale Coop. Industrial Society, Nirmand, Kullu.	Rs. 10.40 lakhs	20 families from banks areas of River Satluj.	Rs. 6.93 lakhs
2	Swati Gramodyog Sansthan, Pithoragarh, Uttarakhand.	Rs. 10.40 lakhs	20 families of Mounsyari block	Rs. 6.93 lakhs
3	Gramodyog Sewa Kalyan Samiti, Pithoragarh.	Rs. 10.40 lakhs	20 families of Didihat Block area.	Rs. 6.93 lakhs
4	Abu Agro Products Co-op. Society, Sadar Bazar, Mount Abu (Raj.)	Rs. 10.40 lakhs	20 families at Mount Abu Sirohi	Rs. 6.93 lakhs

B. Common Facility-cum-Training Centres :

S N	Name of Agency	Total Project Cost	Project for No. of trainees	Requirement for 1 st Year
1	The Shikhar Handloom & Handicraft Weavers Welfare Coop. Industrial Society, Nirmand, Kullu.	Rs. 8.42 lakhs	40 trainees in a year.	Rs. 8.42 lakhs
2	Abu Agro Products Co-op. Society, Sadar Bazar, Mount Abu (Raj.)	Rs. 4.36 lakh	40 trainees in a year	Rs. 4.36 lakh

II. Name of Scheme: Quality Processing of Wool & Woollen Products :

ED, CWDB explained the whole scheme to all members of the Executive Committee and also explained that total 11.0 Crs. were allocated under this scheme under 11th Plan and till date total 11 Common Facility Centres have been established in Rajasthan, Gujarat, Punjab, Himachal Pradesh and Rs. 5.50 crore have been utilized. He also explained detail of both the project proposals received including facilities to be established under these. Shri T.R. Rao, Sr. Scientist, WRA also explained that he had visited Pure Weave Fashions Pvt. Ltd. at Srinagar and they are working in the Pashmina Fibre since last 30 years. After detail discussion E.C. approved project proposals as under:

SN	Name of Agency	Total cost of project	Financial assistance required from CWDB	Activity
1	M/s Mahant Woollen Mills, Kullu, H.P.	Rs. 84.02 lakh.	50% of total project cost i.e. Rs. 42.01 lakhs.	Setting up wool spinning machinery for processing of scoured wool/ wool tops into woollen yarn.
2	M/s Pure Weave Fashions Pvt. Ltd., Srinagar (J&K)	Rs. 102.82 lakh	Rs. 50 lakh.	Scouring & Combing for cashmere, merino wool and local wool.

III. Name of Scheme : HRD & Promotional Activities :

(i) Woollen Expo :

ED, CWDB explained the whole scheme to all members of the Executive Committee and also explained that most of the Implementing Agencies are either Govt. Agencies or Trade Promotion Organizations and had organized Woollen Expo in past. After details discussion, E.C. approved Woollen Expos as under.

S.N	Name of Implementing Agencies	Type of Expo/ Hiring	place	Date/ Period
1.	Executive Officer & General Manager, Udhm Prothsan Sansthan, District Industrial Centre, Bikaner.	Total Expo 14.00 Lakh	Medical College Bikaner	Dec., 2011
2.	Director, West Zone Cultural Centre, Ministry of Cultural, Udaipur.Raj.	By hiring 50 Stalls (@10,000/- Per Stall)	Shilpgram, Udaipur.	21-30 Dec. 11
3.	Chief Executive Officer, The H.P. State Wool Procurement & Marketing Fedration, Shimla H.P.	Total Expo Rs. 14.00 Lakh	Chandigarh	03-12 Dec-2011
4.	Punyashlok Ahilyadevi Maharashtra Mendhi va Sheli Vikas Mahamandal Ltd., Gokhlenagar, Pune	Total Expo 14.00 Lakhs	Pune	14-18 Dec,2011 (5 Days)
5.	Gujarat Sheep and Development Corporation Limited, Gandhinagar	Total Expo 14.00 Lakhs	Ahmedabad Haat,	09-18 Dec.11
6.	Secretary Art and Culture, Government of Goa, Directorate of Art and Culture, Patto, Panaji, Goa	By hiring 50 Stalls (@10,000/-Per Stall)	Lokotsav-2012 Goa	7-16 January 2012
7.	The National Small Industries Corporation Ltd (A Government of India Enterprise) New Delhi-20	Rent of Rs. 12,80,156/- for 19 Stall of 6 Sqm each	Pargati Maidan, New Delhi	14-27 Nov, 2011

8.	Joint Director, Udham Prothsan Sansthan, District Industrial Centre, Jodhpur.	By hiring 50 Stalls @10,000/- Per Stall	Jodhpur	N/A
9.	Director,(Marketing) Northern India International Trade Event Organization, New Delhi-110017	Rate of Stall under @ 4000/- per sqm + s.tax (Size-9 sqm / 6 sqm or multiple.)	Trade Fair-2011 Jaipur	16-23 Oct-2011
10.	The Southern Gujarat Chamber of Commerce & Industry, Surat, Gujarat	By hiring stalls . Max. funding upto Rs. 14.0 lakhs.	Surat	N/A
11.	Regional Director- Northeast Indian Chamber of Commerce, North East Initiative, Guwahati-05	Rs. 14.00 Lakhs (From Fund sanctioned for NE Region.)	Dimapur, Shillong & Guwahati	N/A 3 Expos
12.	National Head -Event Rajasthan Patrika Pvt. Ltd, Patrikayan Bhavan, Paota, Jodhpur. (Raj.)	By hiring 50 Stalls @10,000/- Per Stalls)	Jodhpur & Indore	Date not finalized

E.C. also approved 50% advance to all Implementing Agencies to initiate necessary arrangement for Expo as being done in previous years.

(ii) Publicity activity : (Printing of office Diary and Calendar for the year 2012)

After detailed discussion, the Executive Committee approved printing of office diary and Calendar-2012 with total financial provision upto Rs. 2.00 lakhs. Work shall be executed through normal Quotation/tender process as prescribed in GR/FR.

4 Discussion and approval for increased cost of machinery for R&D project sanctioned in favor of CSWRI,Avikanagar.

ED, CWDB explained that a R&D Project was sanctioned in year 2010-11 to CSWRI, Avikanagar for “Development of up-graded utilization techniques for the wool produced in South Peninsular region of the country”. But when open tendering was done for machineries required for the project it was found that cost of machineries has increased from 10.0 Lakhs to Rs. 17.0 Lakhs.

He also explained that ICAR, (Govt. of India) had also revised the emolument payable to SRF to be engaged under the project from Rs. 12,000 to Rs. 18,000 p.m. w.e.f. 1st April, 2010. Hence the budget of salary is also to be enhanced from Rs. 4.08 lakh to Rs. 5.28 lakhs.

Dr. D.B. Shakyawar, Pr. Scientist, CSWRI explained the importance of the projects to all members and also explained in details the tenders received for the machineries and rate after one round negotiation.

After discussion, Executive Committee sanctioned the enhancement of the project cost by Rs. 8.20 lakhs.

5. To take decision on two CFCs being sanctioned under Quality Processing of Wool scheme for whom CFC have already been sanctioned in the past and they have also applied again for another CFC for different activity and machinaries at Kullu and Mandi.

ED/ CWDB explained that During 2007-08, the Board had sanctioned two CFCs in favour of Mahadev Woollen Mills, V.P.O Mahadev, Distt.- Mandi (H.P) and The Shikher Handloom and Handicraft Wavers Welfare Production cum sale Co-op. Industrial Society Ltd, Kullu and both these CFCs are running successfully. Their evaluation by WRA is also very outstanding and both these projects are in remote backward area of the country and serving sheep breeders and small wool growers by providing wool processing facility at subsidized rate. Both these agencies have again applied for sanctioning of CFC for different wool processing machinery or separate processing activity. The Governing Body in its 28th meeting had also approved sanctioning of the projects in such cases.

ED/ CWDB also state that Guidelines of the scheme also not restrict such sanctions and representative of WRA and CSWRI also explained the importance of these projects and their relative advantages in backward area of the country.

After detailed discussion Executive Committee unanimously approved both the project proposals but in the case of The Shikher Handloom and Handicraft Wavers Welfare Society Ltd, Kullu, the Chairman, CWDB directed ED, CWDB to put up the detail of all the project sanctioned to the agency during this plan (including in other scheme) along with utilization of the fund and balance sheet before fund are being released to agency as it appears that a large number of projects have been sanctioned to the agency and it should not happen that agency is not able to utilize the fund fully during the Plan.

Name of Agency from whom proposal received	Total cost of project as per prescribed norms of scheme.	Financial assistance from CWDB approved by Project Committee	Activity
Shikher Handloom & Handicraft Weavers Coop. Society, Kullu.	Ra. 59.50 lakh	Rs. 29.75 lakh or 50% of the cost of project subject to maximum of Rs.50 lakh.	CFC for Woollen yarn Scouring, Combing & Spinning.
Mahadev Woollen Mills, Mandi (H.P.)	Rs. 106.25 lakh	Rs. 50 lakh	CFC for Dyeing & Finishing of wool & woollen products.

6. To participate in Golden Jubilee Seminar being organized by CSWRI at Jaipur on “Prospects and Retrospect of Small Ruminant and Rabbit Production: Contribution to Socio-economic Security” and to provide financial support of Rs. 5.00 lakh from CWDB.

ED, CWDB stated that the Board has received a request from the Director, CSWRI, Avikanagar, (Jaipur) to provide financial support of Rs. 5.00 lakh for a national Seminar on “Prospects and Retrospect of Small Ruminant and Rabbit Production: Contribution to Socio-economic Security” and also stated that during the seminar various socio-economic issues including problems of sheep rearers, wool processors and product manufacturers will be deliberated. Executive committee approved the proposal.

7. Discussion and approval for re-appropriation of funds under different schemes of the CWDB under 11th Five Year Plan within total plan allocation of Rs. 67.16 Crore.

ED, CWDB explained that CWDB was allocated total Rs. 67.16 Crore to implement different schemes under 11th Plan and as per field requirement and project proposals received from different states funds have been re-appropriated from one scheme to another within overall fund allocation of Rs. 67.16 Crs. He also requested that same procedure should be followed now for better utilization of fund. After detailed discussion, Executive Committee approved the re-appropriation of fund with the condition that total Plan Expenditure should not exceed Rs. 67.16 Crs as approved initially for all Plan schemes of the Board.

Meeting ended with the vote of thanks to chair.

Annexure-II

BE/RE & Achievements for the Annual Plan 2011-12 (upto 31st Jan.,2012)

[Rs. In Crores]								
S N	Name of Scheme	Unit	B.E.		R.E.		Achievements (upto 31 st Jan.,2012)	
			Physical	Financial	Physical	Financial	Physical	Financial
1	2	3	4	5	6	7(9+10)	8	9
I	Integrated Wool Improvement & Development Programme (IWIDP)							
i	Sheep & Wool Improvement Scheme (SWIS)	No. of sheep	16 lakh sheep (ongoing projects)	8.26	16 lakh sheep (ongoing projects)	7.10	12 lakh sheep (ongoing projects)	4.03
ii	Angora Wool Development Scheme	No. of families	180 families (80 new + 140 ongoing)	0.50	180 families (80 new + 140 ongoing)	0.62	180 families (80 new + 140 ongoing)	0.48
iii	Pashmina Wool Development Scheme	No. of families	800 ongoing	0.28	800 ongoing	0.28	800 ongoing	0.28
iv	Human Resource Development & Promotional Activities	HRD, Promotional Activities, Woollen Expo	Training to 200 persons and 15 Expos	2.00	Training to 200 persons and 17 Expos	3.04	Trained 204 persons, 15 Expos organized	2.18
	Total (i+iv)			11.04		11.04		6.97
II	Quality Processing of Wool							
i	CFC for Integrated Wool Processing (Pre-loom processing activities)	Common Facility Centre (@ Rs. 50 lakh)	4 new Centres	2.00	4 new Centres	2.00	2 new CFCs	0.70
	Total (i)			2.00		2.00		0.70
III	Social Security Scheme							
i	Sheep Breeders Insurance Scheme	No. of sheep breeders to be covered	15,000 shepherds	0.00	15,000 shepherd	0.00	10,327 (upto Nov,11)	0.00
ii	Sheep Insurance Scheme	No. of sheep to be covered	2,00,000 sheep	0.00	2,00,000 sheep	0.00		0.00
	Total (i+ii)			0.00		0.00		0.00
	Total (I+II+III)			13.04		13.04		7.67

Note : For Rs. 1.00 Crore Sanction orders have been issued and as soon as fund are released from MOT, amount will be released.

Annexure- III-A

Carpet weaving training centre, Jaipur

- Duration of training : 6 months per batch
- Number of trainee in each batch : 10 persons

SN	Particular/ Head	Amount in Rs. (for 1 year)
1	Cost of loom with necessary equipment @ Rs. 40,000/- per loom for 10 looms/trainees	4,00,000
2	Cost of Raw material - 2 Batches @ Rs. 10,000 per month	1,20,000
3	Cost of Finishing material - 2 Batches	10,000
4	Incentive for trainees per day @ Rs. 100 to 150 per day for 10 trainees for 1 year (26 days\ month).	3,90,000
5	Miscellaneous exp. (Rent, Electricity, water, Stationery, Telephone & Postage etc) @ Rs. 20,000 per month	2,40,000
6	Master trainer @ Rs.12000 per month	1,44,000
7	Office Assistant / Attendant/ Class-4 @ 5000/- month	60,000
8	Other Misc. expenditure during starting like furniture, computers, printers other equipments etc.	2,00,000
	TOTAL	Approx. 16,00,000

Annexure- III-B.

II. Shawl Weaving Training Centre at Mount Abu:

- Duration of training : 4 months per batch
- Number of trainees in each batch : 10 persons

SN	Particular/ Head	Amount in Rs. (for 1 year)
1	Cost of loom with necessary equipment @ Rs. 15,000/- per loom for 10 looms	1,50,000
2	Cost of Raw material @ Rs. 5000 per month	60,000
3	Incentive for trainees per day @ Rs. 100/- to 150 per day for 10 trainees for 1 year (26 days\month).	3,90,000
4	Miscellaneous exp. (Rent, Electricity, water, Stationery, Telephone & Postage etc) @ Rs. 15,000/- month	1,80,000
5	Master trainer @ Rs.12000 per month	1,44,000
6	Office Assistant / Attendant/ Class-4 @ Rs. 5000/- month	60,000
7	Other Misc. expenditure during starting like furniture, equipments etc.	2,00,000
	TOTAL	Approx. 12,00,000

Note: above rates may vary when actual tendering/ quotations are invited, but this will be limited to 10 % of total cost.

**DRAFT PROPOSAL FOR
CENTRE OF EXCELLENCE & INSTITUTE OF WOOL TECHNOLOGY
AT
WOOL RESEARCH ASSOCIATION, THANE**

Introduction

Wool Research Association (WRA) is a co-operative venture set up by the Indian Woollen Industry as multipurpose, multi-functional institute to serve scientific and technological needs. WRA is linked to the Ministry of Textiles, Government of India. It was established in 1963 as a unique research institute totally dedicated to the woollen industry in the country. In the global scenario, probably dedicated institutes in the field of wool are available only in the U.K. and Australia. Although the Indian Woollen industry is comparatively small in relation to other textile sectors like cotton, man-made fibres, jute, etc vision of the wool industrialists to establish a wool research institute in India was an ambitious step with strong potential to play an important role in this important sector. India being a raw wool producer, wool processor, yarn and fabric manufacture, carpet and rug producer, etc requires R&D and testing facilities in wool technology. WRA definitely can help the industry significantly, provided its infrastructure, trained manpower, machines and equipment, etc are adequately provided.

In post –WTO scenario, Indian Textile & Clothing industry including Woollen Industry is in an unenviable position with all its strength, weakness, threats and opportunities taken together. During the last Tex-summit organized by the Government of India, it was declared that Indian Textile industry will achieve textile production of US\$115 billion by 2012. Woollen textiles will play an important role to achieve this target.

To achieve this target, the industry needs to improve efficiency and productivity, manufacturing quality products to face the global competition. Hence, the industry would need to lay greater emphasis on R&D, testing & evaluation, education and training in service related skills such as design, material sourcing, quality management, logistics and retail distribution and to encourage the setting up of joint ventures where domestic suppliers could share market knowledge and offer more integrated solutions to the prospective buyers -- both global and over one billion domestic consumers.

There is a dirth of trained manpower particularly in wool technology. Appropriate human resource development in this area will go a long way to prepare our industry to combat the fierce competition that is cropping up globally.

Wool Research Association plans to reorient its activities to align with the international standards of state-of-the-art facilities in future. It aims at establishing a Centre of Excellence in Wool Technology and an academic institute like Indo-Australian Institute of Wool Technology to cater for HRD for India and neighbouring countries. The essential facilities proposed to be created /upgraded are as follows:

- Research & Development in Woollen and related areas
- Testing and evaluation

Textile Physical Testing Laboratory
Chemical Processing Laboratory
Eco-Testing & Analytical Laboratory
Yarn & Fabric Manufacturing Plant
Textile Designing
Fashion and Garmenting
Developments of Prototypes (PILOT PLANT)
Information Resource Centre with I.T. infrastructure
Education and Training for HRD.

Objectives

- To serve the Indian Woollen Industry to support R&D, Quality Management, Testing & evaluation, Education and Training, Eco-issues and sustainable development.
- To help the industry to survive, compete, sustain and thrive in Post-WTO era.
- To develop appropriate human resources in the area of Woollen Textiles and related areas.
- To create facilities for reliable and accurate testing
- To create facilities for product development, process development, prototypes and transfer of technology to the industry.
- To develop technical / managerial manpower for the woollen industry.
- To develop and conduct continuing education programme.
- To conduct sponsored R & D projects of high quality leading to commercialization of R&D findings.
- To develop information resource centre
- To offer consultancy for solving industrial / technical problems faced by the industry.
- To provide all necessary services required by the industry.

Research & Development Department :

Four divisions of R&D departments viz. Mechanical Processing, Chemical Processing, Ecological Laboratory and Testing Laboratories form the infrastructure requirement for carrying out R&D assignments in WRA. WRA is engaged in applied research in textile materials, product and process development. Formulation of project proposal, planning, experimentation, evaluation, analysis, documentation and publication of research work can be enumerated as the major function of this department. Some areas of work in this department are as follows :

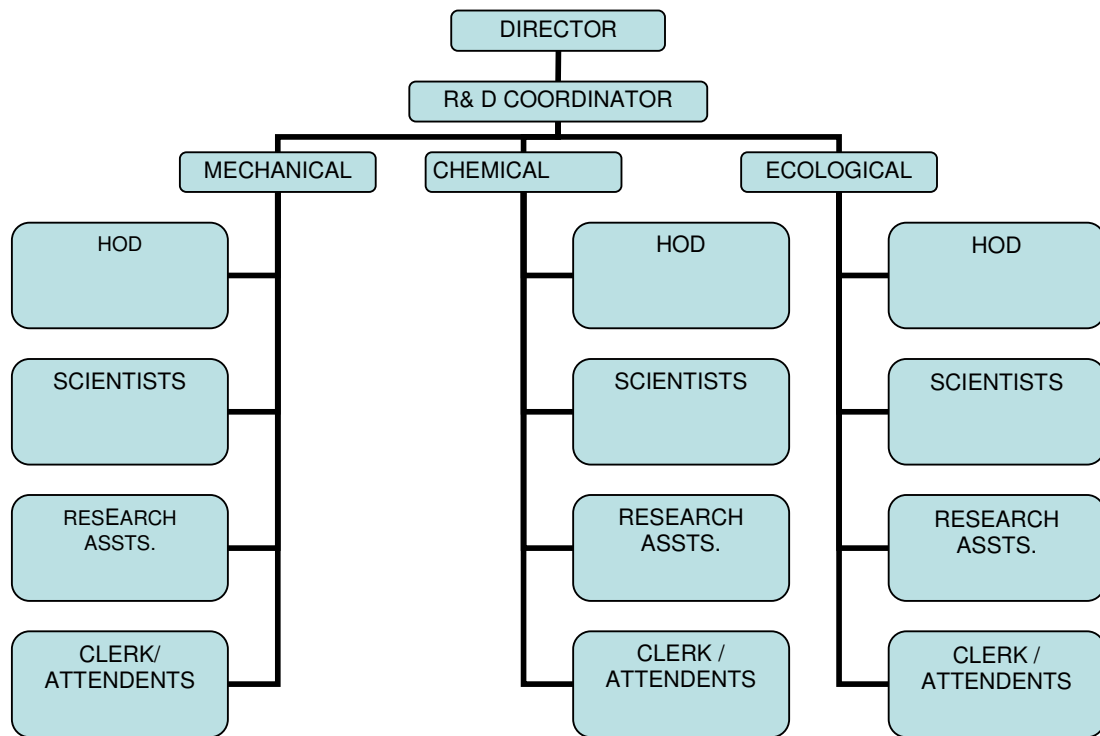
- Product & Process Development
- Development of eco-friendly processes
- Effluent treatment and water recycling
- Waste re-utilisation
- Development of energy conservation process
- Upgradation of decentralized sector
- Development of technical textiles
- Development of machineries, ancillaries, auxiliaries, etc.

As Centre of Excellence, WRA envisages following areas for R&D assignments :

- Major function of the department would be to undertake time bound projects in collaboration with the industry.
- These developments will have direct commercialization, which at present is a weak link between research & industry.

- To execute research activities, infrastructure facilities for mechanical processing and evaluation are required.
- Pilot plant facilities, which include the raw wool scouring, spinning, weaving preparatory, weaving, knitting, non-woven machineries. Complete processing machineries would be utilized as per the requirement of the projects.
- To develop a modern dye-lab with shade matching and recipe formulation facilities for exporters and garment industry.
- Over and above the pilot plant development facilities, evaluation of the developments would demand relevant laboratory facilities.
- These facilities should be sourced at testing laboratories for dual use of research testing and normal commercial testing.
- The facilities of Technology Transfer of R&D findings will be created.
- Close interaction with other R&D Institutes in India and abroad will be made for collaborative work.

ORGANISATION CHART OF R&D Department, as envisaged



PILOT PLANT

Mechanical Processing Division

- The specified processes and/or products are conceptualized at WRA and a pilot trial is undertaken at WRA's pilot plant.
- Having had a breakthrough, a proactive interaction with the industry is proposed with full commercialization of the process / product development in collaboration with the industry.

- All such activities need a full-fledged pilot plant with latest state-of-the art machineries for mechanical processing as well as chemical processing
- The prime functions of the pilot plant should be to assist the research and development team to standardize and produce competitive products, which will be industry viable.
- The pilot plant should be able to produce the specified product in bulk with reproducibility and accuracy.

The functions of the Mechanical Processing Division are :

- To assist R&D Team to translate their R&D findings to produce competitive products.
- To standardize, optimize parameters to produce the specified products in bulk with reproduceability and accuracy.
- In case of third party requirement, the pilot plant should have latest machineries for pilot scale spinning, weaving, knitting, etc.

Over and above the existing machineries in the pilot plant of WRA, following machineries will be required to be included :

1. Intersecting Gill

Type 15	-	1 No
Type 20	-	1 No
Type 65	-	1 No
 2. Combing machines Model PB 33LC
 3. Horizontal Rubbing Frame Model FM8N
 4. Worsted Card with new set of wires
 5. Worsted Ring Frame 192 spindles
 6. Assembly Winder
 7. Two for one Twister (TFO)
 8. Electrical Installation
 9. Humidification Equipment
 10. ETP / Compressor & Miscellaneous
 11. Computer Controlled Flat bed Knitting Machine
 12. Sample loom with 24 shaft dobby
 13. Electronic Jacquard
- Total Cost : Rs. 2.50 crores (approx)**

Chemical Processing Division

- Value addition of products is mainly imparted by chemical processing
- To conduct pilot scale trials on chemical process development, standardization, optimization, evaluation, etc., a full – fledged state-of-the-art pilot processing plant needs to be set up.
- The prime function of the chemical processing department is to assist the R&D Team to develop and produce a competitive process /product, which are industrially viable.
- The chemical processing pilot plant should house the latest pilot scale machineries for preparatory, pre-processing, scouring, carbonizing, dyeing, printing, colour kitchen, coating, etc to develop novel techniques of wet processing for value addition and process economization.

Apart from the existing machineries, the chemical pilot plant should include the following:

1. Soft overflow Dyeing machine with auto-panel .

2. Mini Dolly washer with adjustable Milling plates
 3. Mini-Centrifuge / Hydro extractor for yarn, tops and loose wool
 4. Tumbler Dryer
 5. Laboratory Garment Dyeing & Finishing machine.
 6. Ultrasonic dyeing Jiggers
 7. Laboratory Infrared Sample Dyeing machine.
 8. Laboratory Vertical Padding Mangle (Pneumatic)
 9. Laboratory Curing & Setting machine
 10. Top Dyeing machine (Lab model) cum yarn package dyeing vertical HT / HP
 11. Fiber /Top / Yarn Dryer with hot air generator
 12. Heat Setting Chamber
 13. Decatising / Calendering machine
 14. Thermostat circulating water bath and ultrasonic water bath.
 15. Mini scouring train (5 bowls) with harrow & squeezer.
 16. Lab scale coating and laminating plant
 17. Winch Dyeing machine
 18. Flat bed screen printing machine
 19. Colour Kitchen
 20. Laboratory Rotary printing
- Total Cost (Approx.) = Rs. 2.00 crores.**

TESTING & EVALUATION LABORATORIES

- Testing and evaluation is one of the prime activities of WRA.
- WRA caters for mechanical, chemical as well as eco-testing and technical services for a number of private industries, traders, Central Government Departments (eg. Customs, Central Excise, Railways. Defence, etc), State Govt. Departments (eg. ONGS, Port Trusts, BIS, etc.)
- Technical service gives inputs to the industry to analyse defects / faults in process or products, preventive measures to avoid recurrence of defects and acceptance of products internationally and nationally on the basis of test results.
- Textile Testing Laboratory of WRA have been accredited by National Board of Accreditation for Testing & Calibration Laboratories (NABL) under Department of Science & Technology, Govt. of India.
- WRA is also ISO:9000 certified.
- WRA Laboratory is recognized by IWTO, AWTA, BVQI, UKAS, Bureau of Indian Standards and several Government Agencies.
- With the objectives of developing the laboratories to cater for industry's requirements to evaluate export samples in competitive environment, it is imperative that testing is carried out as per international standards and accreditation.
- WRA testing laboratories are to be equipped with test facilities in the emerging fields like smart textiles, nano-technology, bio-technology, mino-encapsulation, PCM technology, etc.
- In addition to the existing areas, analytical and eco-testing equipment will be strengthened to facilitate complete evaluation of products.
- Computer Colour Matching and CAD centre will have to be upgraded as the existing instruments have become absolute.
- **Physical Testing** : Test facilities of state-of-the-art technology should be created to cater for the requirement of testing not only the final product, but also the fibre, yarn and other material that go into the final product.
- **Fiber Testing** : The fibre testing division will be equipped with facilities for testing polymers, fibre ship and raw wool as such along with other textile fibres. The facilities will include viscometer, microscope, fibre fineness analyzer, fibre strength

tester and fibre length tester. The existing laboratory lacks analytical instrumental facilities, which may be upgraded.

- **Yarn Testing** : The yarn testing facilities include instruments for fineness, strength evenness, friction testing of spun and filament yarns.
- **Fabric Testing** : the Laboratory will have exhaustive fabric testing facilities to evaluate the physical and mechanical properties of the fabrics. In addition, the laboratory will have to upgrade its test facilities to cater for speciality testing of technical textiles.
- The department in addition to routine testing, will also cater for specified technical services and consultancy to solve individual problems being faced recurrently by the industry.

The facilities required for combined fibre, yarn and fabric testing in addition to the existing set-up are as under :

1. Sirolan Laserscan
2. New Staple Length Tester
3. Single Yarn Strength Tester (Tesno Rapid or Uster)
4. Wascator
5. Black Fibre tester
6. Advanced Software for SIRO FAST
7. Length After Card (LAC) width 40"
8. Tensile Strength Tester (Instron) Capacity 500 kg
9. WIRA Air Flow Tester
10. Sublimation Tester
11. Abrasion Tester
12. Bursting Strength Tester
13. NIRO Oil Extractor
14. Twist Tester
15. Drape Meter
16. Air Permeability Testers (High Pressure & Low Pressure)
17. Thermal Resistance Tester for Quilt & Wadding
18. Almeter
19. Elendroff Tear Tester
20. Electrostatic Tester for Carpets
21. Acoustic for Carpets
22. Shirley Analyser
23. WRONZ Rapid Dryer
24. 45° Flame Retardancy Tester
25. Vertical Flame Retardancy Tester
26. Yarn Hairiness Tester
27. Yarn Friction Tester
28. Xeno Tester for Light Fastness
29. Air Filtration Efficiency Tester
30. Filter Media Tester
31. Anestance Tester for filters
32. Bubble Point Tester for pore test of filters
33. Shear & Compressive Creep Tester
34. Surface Resistivity Tester
35. Dynamic Air Permeability Tester
36. Favimet Tester
37. Thermal Protection Tester
38. Spectrophotometer for Colour Matching
39. Computers and Software for Colour Matching
40. Multiaxial Tensile Tester.

Total Approx Cost : Rs. 3.00 crores.

ECO-TESTING LABORATORY

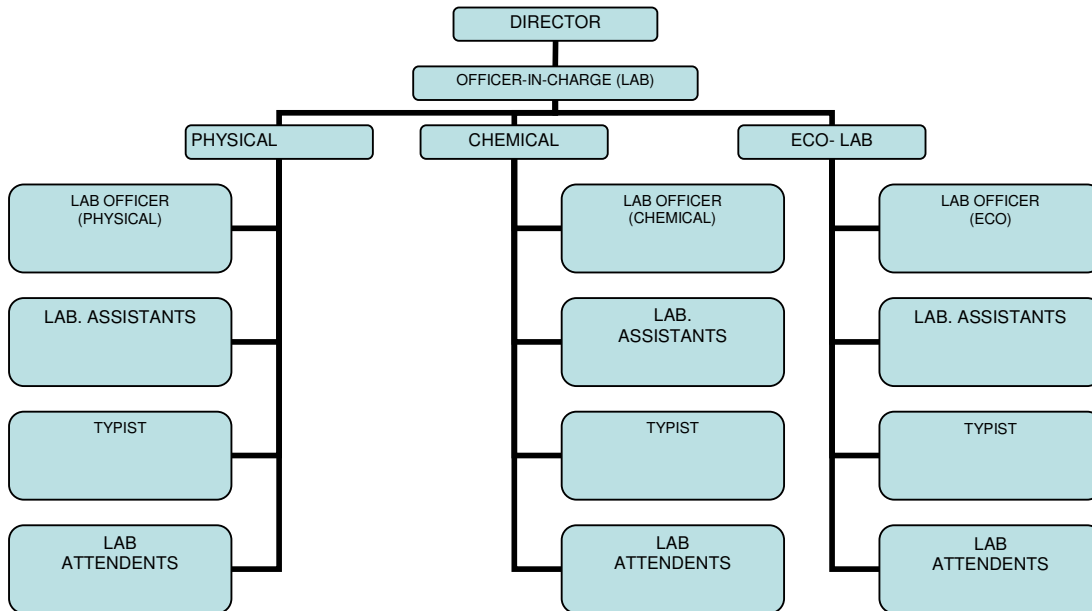
- WRA has eco-testing facilities set up in mid-nineties.
- All instruments are more than 10 years old, have become obsolete and spares are not available. They need replacement.
- Laboratory needs upgradation in view of the new technological advancement in the ecological testing instruments to be in line with the advanced testing procedure and standards.
- In view of the globalization, various new issues relating to analysis, environmental issues, technology etc. are likely to arise. Therefore it would be prudent to plan our facilities right now.
- After a time gap of more than 10 years of establishment of our Eco-Lab, there is a paradigm shift in the technology with recent instrument having more sophistication, higher sensibility, better features and capabilities.
- In the changing circumstances, if any meaningful contribution is to be made in terms of testing facilities and research, it is necessary to upgrade the instruments with latest model and state-of-the-art technology.

To upgrade the eco-testing facilities at WRA, following instruments will be required :-

1. GCMS
2. pH Meter/conductometer
3. Viscometers Redwood & Broke field
4. Microbalances
5. Uninterrupted Power supply 10KVA – 2 Nos.
6. Oven
7. Ashing Furnace
8. Microwave Reaction Chambers
9. CHN & S Analyzer
10. Digital Polarimeter
11. HPLC Preparative
12. HPLC
13. HPLTC
14. N MR Instrument
15. IR Spectrophotometer
16. Particle Size Analyzer
17. Computers, Monitors & Printers (10 Nos.)
18. Columns, Syringes, Column Oven & Cylinder
19. Standards for GCMS, HPLC, HPTLC & AAS
20. Inductive Coupling Plasma Instrument
21. Counter Current Chromatography
22. Thermogravimetric Analyser TGA & DSC
23. Centrifuge
24. Solid Phase Extractor Gadget
25. Head Space Assembly
26. Over head Stirrer
27. Muffle Furnace
28. Vacuum Oven
29. Dehumidifier
30. UV/Vis spectrophotometers
31. Flash point, Distillation, sulphur, colour colorimeters etc.
32. UV chamber

Total Approx. cost : Rs. 1.00 Crores

ORGANISATION CHART OF TESTING LABORATORIES, AS ENVISAGED



INFORMATION RESOURCE CENTRE

With research and development in textiles, new technology, processes, machineries, techniques, etc are emerging for which sufficient literature, reference materials, samples, specifications, norms, directives, etc are not easily available for the industry in the country.

For effective dissemination of information in order to compete in the domestic as well as global market, we need to develop an INFORMATION RESOURCE CENTRE WITH I.T. INFRASTRUCTURE.

The Resource Centre should be equipped with technical literature, reference materials, sample bank containing various sample of various products, manufacturing information, technical books, standards, test specification, market survey reports, etc. The Resource Centre will serve on 'Knowledge & Reference Base' for entrepreneurs, scientists, research scholars, students, etc.

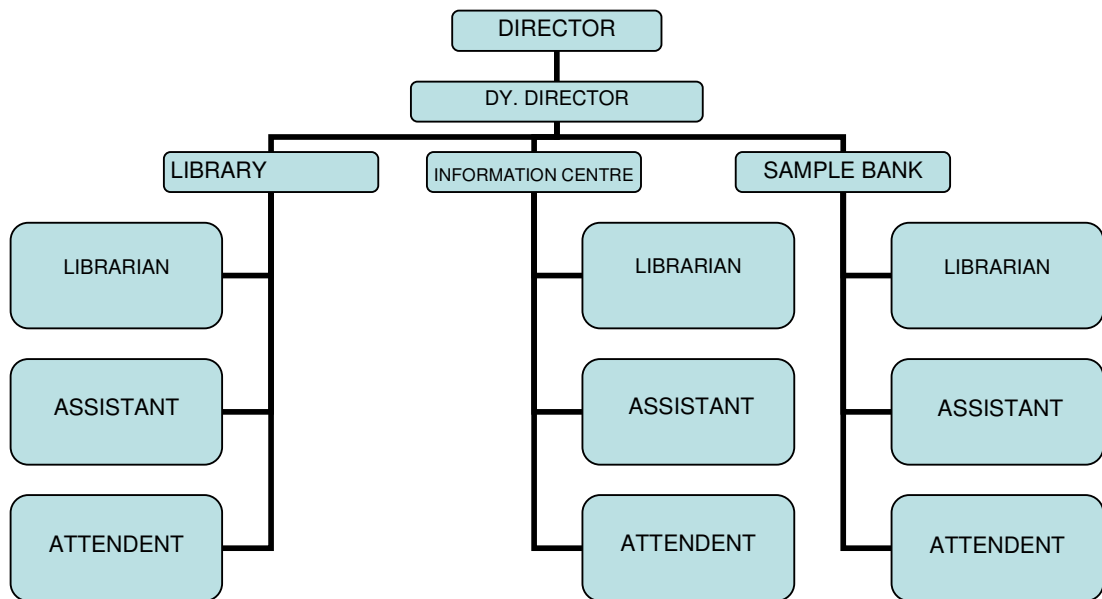
The Centre should be supported by an I.T. network with modern infrastructure and peripherals for storage, retrieval and recording of information/

- **Library** : It should be equipped adequately with collection of technical books, journals, business magazines, reports, etc. relevant to the field of textiles in general and woollen textiles in particular. Like any other modern library, the exhaustive collection should be computerized so that tracing of the information is easier for the readers/users. The status and records of issue of books, journal,

etc. should be computerized. There should be comfortable reading rooms for readers, viz. students, scientists, staffs and visitors.

- **Sample Bank** : The sample bank should have collection of various specialty samples, products developed / available across the world. The Centre should be capable of providing all the information related to manufacturing of the products, specification, market scenario, etc. In short, it should be capable of providing entire product profile of the various samples available with the Centre.
- **Other Facilities** : Apart from the above facilities, the Resource Centre should be equipped with computer facilities for surfing the net to be used by the readers / users. Also facilities like xeroxing/ photocopy, C.D. writing, etc should be provided.

ORGANISATION CHART FOR INFORMATION RESOURCE CENTRE



INSTITUTE OF WOOL TECHNOLOGY

- WRA conducts courses in Wool Technology as well as short term Vocational courses for skill upgradation in the fields of Testing, Quality Control, Eco-Instrumental Chemical Analysis, Computer Aided Textile Designing for woven and knitted fabrics.
- It also conducts tailor-made/ customised training programme sponsored by the woollen industry.
- Training programmes in the area of specialty fibres like Pashmina, Angora, Rabbit fibres, etc. are also conducted
- Practical Training programmes in the use of natural dyes, carpet dyeing, chlorine free moth proofing formulation for woollen textiles, are conducted from time to time.
- WRA is recognized by Mumbai University for conducting courses leading to M.Sc and Ph.D by research.

Since WRA has the required background, faculty and moderate infrastructure pertaining to Wool and its processing, spinning, weaving, etc., there is ample scope to upgrade the facilities to establish a dedicated Institute of Wool Technology to cater for the woollen industry not only in India but also other countries. For such institute the infrastructural facilities, teaching aids, etc are required to be upgraded. Modern class rooms and related constructional civil work will have to be undertaken. Laboratories, Pilot Plant, Library as existing in WRA will provide common platform for the Institute also.

Besides courses in Wool Technology in Diploma, Degree and Post-Graduate Levels (in phase-wise), following courses will also be undertaken :

- Diploma in Knitting Technology
- Diploma in Fashion & Apparel Design Technology
- P.G. Diploma in Textile Chemical Processing Technology
- Diploma in Apparel Merchandizing
- Diploma in Export Import Management
- Diploma in Textile Colour & Design Technology
- Certificate Courses in Weaving & Wet – processing Technology
- Computer Aided Textile Designing
- Diploma in Technical Textile Technology
- Courses in Quality Management
- Courses in Testing, Specification, Standards
- Training Courses for Operators

Cost of Upgradation of Laboratories /Pilot Plant

Sr. No.	Department	Capital Cost (Rs. in crores)
1.	Pilot Plant (Mechanical Processing)	2.5
2.	Pilot Plant (Chemical Processing)	2.0
3.	Textile Testing Laboratory	3.0
4.	Eco-Testing Laboratory	1.0
5.	Teaching Aids	0.5
6.	Information Centre	1.0
	TOTAL	Rs. 10.00 crores

ANNEXURE-V

SURVEY OF INDIAN WOOL INDUSTRY

Looking back into the historical record of wool industry , The Cawnpore Woollen Mills were established in the year 1876. Ten years later, there were 4 more woollen mills that gave combined employment to 1372 persons with 242 looms and 5420 spindles under use. Still a decade later, 6 mills were in operation, increasing the employment to 3017 persons, looms to 550 and spindles to 18,658, producing 2,345,570 lbs of goods. This increased to 3468 persons, 737 looms & 25,931 spindles in 1904. That was the record of 30 years progress, producing goods on European pattern and style, such as surges, broadcloths, flannels, tweeds, blankets, travelling rugs, etc. They also produced worsted, knitting yarns & knitted goods of all kinds, such as socks, cardigans, jackets, jerseys, caps, gloves, etc.

The boom period for woollen industry came in the aftermath of 1963's China aggression of India and the subsequent Indo-Pak Conflict during 1965. 'Wool Hosiery & Fabrics' published by Commerce (1935) Limited, as an annual number detailing all information relating to wool, worsted, carpet, hosiery industries covering raw wool production, classification, import & export, yarn production, knitting and manufacturing, processing, distribution and marketing in India. This publication was like a directory and ready reckoner for all information on woollen industry in the country. This was stopped in the middle of seventies abruptly.

In the present context, the woollen industry in the country is of the size of Rs.5000 crore plus. The organized sector consists of composite mills, combing units, worsted and non-worsted spinning units, knitweaves and woven garments and machine made carpets manufacturing units. Decentralised sector includes hosiery and knitting, powerlooms, hand knotted carpets, druggets, namdas and dyeing and processing houses and woollen handloom sector.

There are estimated 958 woollen units in the country, majority of which are in small scale sector. Around 40% of the woollen units are located in Punjab, 27% in Haryana, 10% in Rajasthan and the rest of the states accounting for the remaining 23% of the units. Wool combing installed capacity is for about 30 million kgs and additional 10% for synthetic fibre. Similarly, for worsted spinning 6.04 lakhs spindles are harnessed alongwith 4.37 lakhs spindles in the non-worsted. There are reported to be 7228 powerlooms and an unestimated number of handlooms in the industry. The employment level is said to be more than 27 lakhs with potential for increased participation, mainly in the rural region.

Strength of the woollen industry is large population of sheep heads (6.5 crores) and shepherds (28 lakhs), large handloom and powerloom. Sector in rural areas, producing exotic export oriented carpets, shawls, lohies and such other value added products often accentuated with mixture blends from speciality animal fibres like Angora, Pashmina, etc.

In certain segments, the industry has made impressive technological advancement, over the years, by using latest equipments and modern technology whereas others are lagging behind with obsolete machinery, majority of which are in the small scale sector, unable to cope with capital intensive modernisation and global marketing trends.

To sum up, strengths of the Indian wool industry are as follows :

- Huge woollen textile production capacity
- Vibrant multifibre mix blend manufacture capacity
- Large pool of skilled and cheap work force often rural based.
- Entrepreneurial skills
- Huge export potential
- Growing domestic market

At the same, the weaknesses cannot be overlooked but eventually to be overcome.

- Global competition in the post 2005 WTO trade regime
- Dumping of cheap textiles in the country
- Outdated traditional technology adopted
- Poor supply chain management right from raw material
- Huge decentralized sector functioning without linkages
- Lack of drive for improving quality & quantity of produce.

In the given scenario, it is indeed high time a comprehensive and consolidated industrial survey for the woollen industry is carried out to gauge the present status, growth registered, in the recent time and anticipated forecast for the next decade in different segments, some of which are interdependent and others independently functioning.

The plan of survey has to be meticulously worked out to cover every segment's details in its entirety for its existing level of operation and shortcomings, in terms of competitiveness in improving quality, quantity, R&D and innovative approach to fulfill the complementary role with other segments in the industry. The major segments we can think of are as follows :

1. Classified list of woollen & worsted manufacturers.
2. Shoddy woollen manufacturers
3. Wool combing & processing plants
4. Woollen and worsted mills (composites)
5. Woollen felt mills
6. General list of hosiery manufacturers'
7. Shawl and knitwear manufacturers
8. Leading wool merchants, importers & exporters.
9. Wool machinery manufactures
10. Khadi sector.
11. Statistics on Import & Export of woollen goods
12. Compilation of present installed & working woollen & worsted spindles, handlooms & powerlooms and SME's engaged in processing of wool and wool blended products.

The survey to be conducted has to be done with technical bias, so as to enable help conceive and implement policy decisions towards future growth by Government.

ANNEXURE- VI

Permission to procure Rams by State Govt. agencies at market price and re-appropriation of funds from one component to other for utilization of funds within the over all fund sanctioned by CWDB.

Copies of letters received following State Govts. (implementing agencies) regarding to increase cost of Rams under 'Sheep & Wool Improvement Scheme' (SWIS) will attach with agenda set and will be distributed during the meeting :

- Karnataka State Sheep & Wool Development Corp., Banglore.
- Rajasthan Livestock Development Board, Govt. of Rajasthan, Jaipur.
- College of Veterinary & Animal Science, Raj. University of Veterinary & Animal Science, Bikaner, Rajasthan.
- Himachal Pradesh State Coop. Wool Procurement & Marketing Fed. Ltd., Shimla (H.P.)
- J. & K. State Sheep & Sheep Product Development Board, Srinagar.