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K.R.ARAVAMUTHAN,
MEMBER-SECRETARY,
POWERLOOM ENQUIRY
COMMITTEE.

GOVERNMENT OF INDIA
MINISTRY OF COMMERCE & INDUSTRY,
OFFICE OF THE TEXTILE COMMISSIONER,
Mistry Bhavan, Dinsha Wachha Road,
Post Bag No. 10004,
Bombay, dated the 26th Feb. 1963.

No. PEC-III(1)/

Subject:- Questionnaire issued by the
Powerloom Enquiry Committee.

Ref:-

Dear Sir/s,

I enclose a copy/ ~~copies~~ of the questionnaire finalised by the Powerloom Enquiry Committee appointed by the Government of India. The questionnaire also contains a copy of the Resolution issued by the Government giving the terms of reference to the Committee. I should be grateful if you could be good enough to furnish in as comprehensive a manner as possible factual information and data as also your views and suggestions on those points in the questionnaire on which you are in a position to furnish the relevant information.

P.t.o

-: 2 :-

The Committee will also be glad to receive supplementary information and data on any other points which in your opinion deserve special consideration. Any memorandum or representation relating to the specific terms of reference to the Committee which you would like to present to the Committee, may also be sent along with your replies to the questionnaire.

The replies to the questionnaire as also any memorandum, representation etc. may be sent in triplicate addressed to:

" The Member-Secretary,
Powerloom Enquiry Committee,
Office of the Textile Commissioner,
Mistry Bhavan, Dinshaw Wachha Road,
Post Bag No.10004, BOMBAY."

Yours faithfully,

K.R. Aravamuthan
(K.R. ARAVAMUTHAN)
MEMBER-SECRETARY.

GOVERNMENT OF INDIA
MINISTRY OF COMMERCE AND INDUSTRY



POWERLOOM ENQIRIRY COMMITTEE
QESTIONNAIRE

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GOVERNMENT OF INDIA
MINISTRY OF COMMERCE AND INDUSTRY

NEW DELHI, THE 8TH JANUARY 1963.

R E S O L U T I O N

No.10(2)TEX(C)/62.- The Government of India have decided to set up a Committee to enquire into the problems of the Powerloom Industry. The terms of reference of this Committee will be:-

- (i) to examine the structure and growth of the powerloom industry with special reference to the types, holdings, ownership, appliances, supply of raw material, sorts of fabrics produced, processing of fabrics, marketing, financing and other factors relating thereto;
- (ii) to examine the remunerativeness of the powerloom industry taking into account the costs of production and efficiency of working and the conditions of workers;
- (iii) to consider the relative role to be played by the powerloom industry vis-a-vis that of the handloom ~~and mill industry~~ and mill industry and to recommend targets of production;
- (iv) to account for the phenomenal growth of unauthorised powerlooms in the past and devise means to prevent future unauthorised expansion;
- (v) to examine the desirability and scope for the conversion of handloom co-operatives into powerloom co-operatives; and
- (vi) to make suggestions for the establishment of the powerloom industry on a stable footing within the field of operation which should be allotted to it.

2. The composition of the Committee will be as follows:-

- (1) Shri Asoka Mehta, Chairman.
16, Golf Links Road,
New Delhi.
- (2) Shri A.R. Bhat, M.Com., M.L.C., Member.
President of the Federation
of Association of Small Industries of India, and the
Chairman of the Small Scale
and Cottage Industries
Sub-Committee of the Advisory
Council of Industries,
Maharashtra,
256, Sadashiv Peth, Poona-2.
- (3) Shri G.K. Devarajulu Naidu, -do-
Southern India Millowners
Association,
Coimbatore.
- (4) Nawab Aizaz Rasool, -do-
Vice President,
Uttar Pradesh Industrial
Co-operative Association,
Lucknow.
- (5) Dr. D.K. Malhotra, -do-
Joint Secretary,
Planning Commission,
New Delhi.

(6) Shri M. Somappa, Member.
President,
All India Handloom Marketing
Co-operative Society,
Bombay.

(7) Shri K.R. Aravamuthan, Member-
Director (Economics & Statistics), Secretary.
Office of the Textile Commissioner,
P.B.No.10004, Bombay.

3. The Chairman may specially invite other persons connected with the Textile Industry to attend the meetings.

4. The Committee is requested to forward its report to Government within a period of six months.

ORDER

Ordered that a copy of this Resolution be communicated to all State Governments/Union Territories/Office of the Textile Commissioner, Bombay and to all concerned.

Ordered also that the Resolution be published in the Gazette of India for general information.

(D.K. SRINIVASACHAR)
JOINT SECRETARY TO THE GOVERNMENT OF INDIA.

POWERLOOM ENQUIRY COMMITTEE

QUESTIONNAIRE

Instructions :

- (1) The questionnaire is in two parts: Part I is a general questionnaire to be answered by all, while Part II is a schedule for collecting statistical information and is to be filled in by Powerloom associations, factories, establishments, processing units and others in a position to give the required factual data.
- (2) Please confine your answers to matters with which you are directly acquainted and on which you are in a position to supply detailed evidence.
- (3) Answers should refer to some definite area which should be clearly specified in each case such as village, Taluk, Town, District and State.
- (4) In some questions answers require the filling up of statistical tables. Wherever such figures are not available, please give details in percentages, if possible.
- (5) As far as possible each question may be answered on a separate sheet of paper.
- (6) Three copies of the replies to the questionnaire along with Memoranda, if any, may be sent to the Member-Secretary, Powerloom Enquiry Committee, Office of the Textile Commissioner, Mistry Bhavan, Dhinshaw Vachha Road, Churchgate, Bombay, Post Bag No. 10004, Bombay, so as to reach him by 15th April 1963.

QUESTIONNAIRE

PART I : GENERAL

1. Structure and Growth [items 1 - 6]

1. Please give a brief account of the powerloom weaving industry in your area mentioning in particular the principal centres of the industry, the lines of production in each centre and the peculiarities of techniques adopted if any. In giving this please deal separately with:

- (a) Cotton Powerlooms;
- (b) Art Silk Powerlooms;
- (c) Silk Powerlooms;
- (d) Woollen Powerlooms;
- (e) Others such as powerlooms employed for the manufacture of Tapes, Newar, Ribbons and Webbing. Please also indicate separately the number of powerlooms employed as in the proforma given below:-

Size of units.	No. of looms.	Employed on cotton yarn.	Employed on art silk yarn.	Employed on silk yarn.	Employed on woollen yarn
1 to 4 looms					
5 to 9 looms					
10 to 24 looms					
25 to 49 looms					
50 to 99 looms					
100 to 299 looms					
300 and above					
Total					

2. Please trace the changes, growth, if any, in the total number and structure of the powerloom industry in your area from time to time, as far as possible, on the 1st of April 1942, 1948, 1951, 1956 and latest. In giving this, please furnish in detail the various factors such as:

- (a) The changes in the number and size of units;
- (b) Consolidation or fragmentation in the ownership of powerlooms.
- (c) Sources of supply and arrangements for procurement of powerlooms, including replacement of parts.
- (d) Facilities available for manufacture and/or assembling of powerlooms including replacement of parts in and around your area (with as complete details as possible).
- (e) Sources of supply of power, whether from public supply undertaking or from specially installed electric, steam or other motive power generating units.
- (f) Special inducements going towards the establishment of powerloom units consequent on say, availability of power supply, facility for supplying local needs of cloth from the point of view of demand of particular varieties, rise of new markets in specially developed areas and any pronounced private entrepreneurship for setting up of these powerlooms on a small scale basis.

3. Please explain fully the reasons for fragmentation or consolidation of the powerloom units if any, in your area since 1951 and in particular, please deal with the comparative economics of working of small vis-a-vis large size units, impact of Excise Duty variations from time to time, adjustment of the pattern of production by the powerlooms to take advantage of any concessions for avoiding or minimising the impact of the fiscal levies.

4. If there have been frequent changes in the ownership of powerlooms in your centre, please give details of the factors which led to this phenomenon.

5. What proportion of the powerlooms in the Powerloom Industry in your area is being worked by self-employed owners and what proportion by hired weavers. Also please furnish information as to the different practices followed in the powerloom industry in your area for working of looms viz. letting out looms on rental basis, working of looms on benami arrangements, looms worked on co-operative basis, combined working under one factory shed by different owners for particular reasons such as the availability of electric power, pooling of wages, sales of products, technical supervision and other factors.

6. Please state particularly the extent of transformation of handloom weavers into powerloom weavers in your area by individual initiative by replacement of handlooms by powerlooms as distinct from the introduction of the powerlooms in the handloom sector under Governmental policy.

2. Yarn Supply [Item 7 to 13]

7. What are the existing arrangements for purchasing of yarn by the Powerloom Industry in your area? Are these arrangements made individually by each unit or collectively? To what extent are the Powerlooms having direct arrangement with the Textile Mills for the regular supply of yarn of particular counts?

8. Please give details of different preparatory processes for making yarn fit for weaving. To what extent yarn in hanks, in cones, in sized beams, in weft pirns etc. is obtained by the Powerlooms in your area?

(a) direct from the Mills and (b) through the trade?
Also please furnish the major counts/deniers of yarn consumed by the Powerlooms in your area.

9. Please furnish details as to the difficulties, if any, experienced by the Powerlooms in your area in obtaining yarn in sufficient quantities and at reasonable rates. What are your suggestions to remedy these difficulties?

10. Would you advocate a scheme of collective purchase of yarn by the Powerlooms on a co-operative basis? Please give your observations on this suggestion in as complete a manner as possible.

11. Would you advocate introduction of decentralised small scale spinning units in order to facilitate ready supply of yarn to the Powerlooms? In this connection, you may also please give your ideas about the organisation of the Powerloom sector on a widely dispersed basis so as to take advantage of the availability of yarn supplies in case small scale spinning units are recommended to be installed widely in the different parts of the country.

12. Do you consider that the yarn required by the Powerlooms (a) working on a cottage industry basis and (b) working as regular factories should be of the same quality or different from the yarn

consumed by (a) Textile Mills and (b) Handlooms? Give reasons for your views and suggestions based on your experience. How far does the present system meet this need and in what directions, are changes necessary. Also please give your recommendations as to how far the establishment of co-operative spinning mills for powerlooms would secure a better arrangement?

13. What is the average consumption of yarn per Powerloom per shift; also the normal working of a Powerloom per day - one shift, two shifts or three shifts and production per shift?

3. Production [Item 14 - 16]

14. Please furnish information on the pattern of production of cloth by the Powerlooms in your area, tracing the changes in the pattern from time to time, traditional factors if any, governing the switch over from cotton to non-cotton or vice versa and specialization on production of particular varieties with reasons therefor. Pattern includes the types and varieties of cloth like Dhoty, sarees, long cloth, Mulls, Voils, Suitings etc.

15. Trace the activity of the powerlooms with reference to the working hours, looms lying idle, etc. during the recent few years and give in as complete a manner as possible the factors which had led to:

- (a) intensified utilisation of the powerlooms by increasing the working hours;
- (b) Changes in working hours in shifts;
- (c) Looms rendered idle, partially or fully in the powerloom establishments and methods and suggestions if any for ensuring the continued working of the powerlooms.

In giving this information please also state how far seasonal factors governing the demand of cloth have had their impact on the variations in the intensity of working of powerlooms during the last few years.

16. In view of the decentralised nature of the Powerlooms in the country, what, in your opinion, would be the best method of ascertaining the production trends in the Powerloom sector and the category-wise production in coarse, lower-medium, higher medium, fine and superfine?

4. Finishing and Processing [items 17 - 18]

17. What proportion of Powerloom cloth produced in your area is processed by (a) independent processing units and (b) by Textile Mills? What are the charges levied for each kind of processing and finishing - calendering, bleaching, finishing, dyeing and printing?

18. Would you recommend the establishment of co-operative finishing plants where the Powerlooms are concentrated; and if so, what will be the standard which you would set in regard to the minimum number of looms to be served by each finishing plant? In such a case, also give the capacity of the finishing plant to be installed.

5. Marketing [item 19 - 20]

19. To what extent is powerloom cloth sold in processed condition and in grey condition? What are the difficulties if any, experienced by the Powerloom Industry in your area in obtaining dyes chemicals and other essential materials.

20. What are the marketing arrangements adopted in selling powerloom cloth produced in your area? To what extent, are powerlooms satisfying the local cloth needs of the consumers in your area? If powerlooms in your area are employed on weaving industrial and other fabrics, tapes, newar, ribbon etc. please give the details separately for each.

21. What is the extent of competition offered by (a) Handlooms and (b) mills in the marketing of powerloom cloth? Does Powerloom cloth suffer from any handicap on account of this competition and if so, please furnish in detail the several factors which contribute to this handicap, remedial measures necessary etc. At what stage, does consumer resistance set in in so far as the marketing of Powerloom cloth is concerned?

22. What is the intrinsic price disparity between (a) Powerloom and mill cloth and (b) Powerloom and handloom cloth.

23. Would you consider it satisfactory for the Powerloom Industry to compete with the Mills in the distant markets in the country or whether the Powerlooms should as far as possible confine themselves to cater to the local needs?

24. What is the place of the Powerloom sector in regard to the export market? What are all the products which are particularly suited for manufacture by the Powerlooms for export to foreign countries. Please furnish your replies in as detailed a manner as possible and also indicate the steps that may be necessary to improve the position if you consider that Powerlooms can play a very significant part in the export trade of the country.

25. Please furnish information as to the benefits or disadvantages experienced by the Powerloom Industry on account of the reservations made in the matter of production of particular varieties of cloth like dhoties, sarrees, bandage cloth etc. in favour of Handloom Industry and small powerloom units. To what extent has the Powerloom Industry taken advantage of these reservations.

26. To what extent are powerlooms able to supply against Government including Defence needs. Please give your suggestions on particular item or items which you would recommend for specific allotment to the powerloom sector for such supplies.

27. The Powerlooms are reporting periodical accumulation of stocks. Please give your experience and detailed reasons for this recurring phenomenon. Do you consider that the vicissitudes of the Powerlooms are normally linked with

- (a) The handloom industry or
- (b) The Mill Industry. If so, give detailed reasons.

28. What in your opinion is the normal stock which on account of the time-lag between production and sales should remain with the Powerloom establishments? Do you consider that in this matter a distinction should be made between small powerloom establishments and the progressively larger powerloom establishments? If so, give your estimates for each of these tiers in the Powerloom sector.

29. To what extent are the Powerloom establishments able to ascertain the market demands, changes in tastes and fashions of the consumers and adjust their production to suit these changes? Please give your views and specific suggestions for improvements in this regard.

30. What are the measures necessary to ensure standards of quality production by the Powerlooms? Are there any arrangements at present in this regard? If not, would you advise setting up of standard specifications for this purpose as also an inspection machinery.

6. Finance [item 31]

31. To what extent are the Powerloom establishments in your area obtaining financing facilities from the Bank and other financing ~~facilities from the Bank and other financing~~ institutions for working capital? What are the other normal sources available to the small powerloom owners for obtaining working capital finance? The role played by Multanis and other money-lenders may also be stated. Please also give the interest rates charged by the different agencies.

7. Working Conditions [items 32 - 33]

32. Does the Powerloom Industry in your area provide full time employment to the workers? If not, please give in detail the extent of employment provided and subsidiary occupations of the workers. What in your opinion will be the role of this Industry in the context of the expanding Rural Economy, availability of electric power, general improvement in the skill of workers and the normal expectation of better earnings by the rural artisans, agriculturists etc. Please also give your views in detail.

33. From your experience please state :

- (a) the monthly earnings of a self-operating powerloom weaver;
- (b) the average wage per month earned by a Powerloom weaver working as a wage earner;
- (c) the net earning per month of a weaver who works on a loom on hire or on lease;
- (d) the net income per loom of an owner of a Powerloom establishment having
 - i) single looms,
 - ii) looms upto 4, and
 - iii) looms from five to twentyfour.

34. If the Powerlooms are linked directly or indirectly or otherwise controlled by financiers or entrepreneurs including Textile Mills, please give the exact relationship (social and economic) between them and the Powerloom workers. Please also give your views as to how the interest of the workers are affected by these arrangements. If a change-over is recommended, please suggest the pattern and the method to be adopted for securing such a change-over.

35. Please give your observations on the impact of working of powerlooms on the social, economic, health and other conditions of workers. How far will the organisation of the Powerloom Industry on the basis of self-employed Powerloom workers achieve a better social objective than at present? Reply may please be given in sufficient details.

36. In the set-up of the Powerloom Industry in your area, what are the prevailing conditions of working for workers, observance of factory regulations, amenities provided and particular occupational drawbacks or disabilities. Please also give concrete suggestions for improvement.

37. Do you consider that a large number of handloom weavers have found employment in the Powerloom Industry? Has there been a migration of powerloom workers for work in the Textile Mills or Vice-versa? Please give as far as possible replies with factual data.

38. Do you consider that there is need for training of workers in the Powerloom Industry? If so, please offer your specific suggestions. How far are the training and service facilities provided by the Small Scale Service Institutes now being utilised by the Powerloom sector?

8. Economics of Working [items 39 - 44]

39. Please give briefly the economics of Working of Powerlooms -

- i) under the co-operative sector;
- ii) outside the co-operative sector classified under the following groups:-

- (1) units having four looms or less;
- (2) units having more than four looms but less than 25 looms;
- (3) units having 25 looms and above but below 50;
- (4) units having 50 and over but less than 100;
- (5) units having 100 looms or more upto 300.

(Note:- If you consider that the above classifications are not properly representative, you may adopt any suitable revised classification giving reasons. In giving the reply please give the representative working results showing the cost of raw material, labour charges, overhead, maintenance and repairs, selling expenses, realisation etc. etc. A proforma (Annexure No.1) for this purpose is enclosed for guidance which you may amend or modify as you consider fit).

40. Please give for your co-operative powerlooms factory the working results in the attached proforma (Annexure No.11) year by year for the last three years and also give separately the average earnings per loom from year to year, the average number of members in each weaver's household dependent on him and the special benefits by way of bonus, gratuity etc. allowed by your co-operative society to the weaver members.

41. Please give the State and local levies on the Powerloom products and on the Powerloom establishments working in your area. Also give in detail the contribution of the Powerloom establishments to the finances of the local bodies and State Governments by way of taxes and levies.

42. It has been represented that "powerlooms in units of four and below" are causing a "menace to the economy of the authorised excise paying powerlooms". Please give your views on this statement substantiated by factual data as to the inter-se competition arising within the Powerloom Sector of units of different sizes and explaining how far this competition is healthy or otherwise viewed for the economy of the Powerloom Sector as a whole. Please also suggest remedial measures necessary in this respect.

43. (a) what in your opinion is the minimum economic size of powerloom establishment from the point of view of such factors as :

- (i) ensuring reasonable net return to the owner operatives;
- (ii) availability of finances needed for capital investment on Powerlooms and for working capital;
- (iii) minimum feed necessary taking into account the preparatory and the finishing process for the cloth woven on the Powerlooms;
- (iv) the marketability of the products including flexibility for change over in the pattern of production to suit the consumer's taste and demands from time to time.

(b) Please also give your views on the optimum size of a Powerloom factory taking into account the economics of working with reference to the financial resources needed for capital investment, working capital, installation of preparatory processes, installation of post weaving processes, introduction of proper selling arrangements, assurances of minimum working conditions and earnings of the operatives with an assurance of a net reasonable return to the entrepreneur for his efforts and investments. This may please be worked out on the basis of the current pattern of excise levy and other factors. Details may please be furnished in as complete a manner as possible.

44. Do you consider that, as a matter of policy, to secure the stabilisation of the Powerloom Industry, units above or below certain specified size groups should be prohibited? Please give reasons. Please also give your views on the suggestion for the conversion of large-sized powerloom establishments into composite Textile Mills by providing facilities for installation of spindles.

9. Future Pattern of organisation [items 45 - 47]

45. As between the Textile Mills and the Powerloom sector, it has consistently been represented that the Powerloom sector is at a disadvantage in the matter of economics of production on account of the Powerlooms having to depend on the Mills for supply of yarn. To what extent, in your opinion, is this disadvantage real and avoidable or unavoidable? In the long term interests of the economy of the country, would you, in case the handicaps suffered by the Powerlooms are real and inherent in the set up of the sector itself, recommend re-organisation of the Powerloom Industry to place that industry on a better competitive position? You may also give your opinion on the continued functioning of the Powerloom Industry as a separate sector in the Industrial set up of the country in case you find that the difficulties and the handicaps suffered by the Industry are unavoidable and of substantial nature.

46. In the case of art silk industry, the existing weaving sector is decentralised and comprises mostly powerlooms. Would you advocate this pattern of development to be continued as an essential feature in the set up of the Industry or would you advocate any drastic change in the pattern? In giving your observations, you may also please take note of the concentration of the art silk powerlooms already in some parts of the country and the effect on the employment position.

47. The woollen powerlooms are concentrated in particular areas. In addition, there are quite a number of composite mills spinning yarn and weaving into woollen fabrics, Would you, in this context, taking into account the availability of raw materials, the locational and seasonal factors governing the demand of woollen fabrics etc., recommend a pattern of organisation and development of the woollen weaving industry on a stable basis in the interests of the economy of the country?

10. Conversion of Handlooms [items 48 - 52]

48. What has been the effect of the powerlooms working in your area on the employment, earnings and other aspects of the economics of working of the Handloom Industry. Has there been any reduction in the number of Handlooms in this process.

In giving this answer, please deal with cases of handloom weavers themselves taking over to powerlooms separately.

49. What has been the attitude of the Handloom weavers towards employing power in weaving? Do you consider that the introduction of powerlooms is a normal evolutionary process for augmenting the earnings of the weavers by increasing the productivity. Please also give your observations on the relative merits of improving the productivity of handlooms by switch over to semi-automatic or pedal looms and by use of power.

50. Have there been cases of handlooms including pedal looms as such being operated by power by the introduction of specialised appliances like small motors etc. in your area and if so please give full details and the appliances employed for the purposes. Also please give information on the impact of this on increased productivity the wages of the weavers, economics of working etc. with your broad observations on such developments.

51. How far would you recommend a phased programme of replacement of handlooms by Powerlooms in the country as a policy and if you are in favour of such a recommendation, please furnish in detail the impact of such replacement on the employment position and earnings of the Handloom Weavers, keeping in view the need for ensuring maximum employment. What would then be your suggestions for a phased programme?

52. What has been your experience in regard to the scheme of introduction of Powerlooms in the Handloom sector for which a target of 35,000 Powerlooms was fixed in the Second Five Year Plan? If this scheme of introduction of Powerlooms in Handloom sector has been implemented in your area, please furnish fully the results of the scheme in regard to the economics of working, earnings of the weavers, marketability of products and other relevant factors. Would you recommend in the light of the experience gained the reorganisation of Powerlooms on a co-operative basis and whether such co-operative Powerlooms should be confined only to the Handlooms weavers or also to others?

10. Unauthorised Powerlooms [items 53-56]

53. The number of registered cotton powerlooms having Tex marks was just over 27,000 and on non-cotton about 47,000. It has, however, been found that a very large number of powerlooms had come in without any valid permits. The figure of such unauthorised powerlooms is provisionally placed at even about 60,000 to 70,000, most of which is on cotton yarn. With reference to your area and your experience, please furnish the factors responsible for this phenomenal growth of unauthorised powerlooms and suggest in detail the measures necessary to prevent such unauthorised expansion in future. In giving your answer, please also indicate broadly the methods adopted, the inducements obtained and the gains derived in working such unauthorised looms and also the sources from which the looms were obtained.

54. If you consider that the differentiation in the matter of excise levy has been the major contributing factor for this unauthorised expansion, what remedial modification in the pattern of excise levy would you recommend?

55. Please furnish as briefly as possible the reactions and difficulties experienced in the matter of working of powerlooms including the regularisation of unauthorised looms, indicating specifically in what directions the Powerloom Industry would require assistance in procedural and executive matters.

56. Do you consider whether all these unauthorised powerlooms were actually existing as complete looms or whether some or substantial portion thereof were not actually in working condition? Please give your reply in as detailed a manner as possible.

12. General [items 57 - 60]

57. Has any survey of the Powerloom Industry in your area been carried out by official, non-official agencies in the past? If so, please furnish details if available.

58. Taking into account your own assessment of the productivity of the powerlooms, the total number of looms in the powerloom sector and any likely expansion in the future, the comparative disparities in

the economics of working of powerlooms, handlooms and the mill industry, the pattern of consumption and changes in consumer's tastes and fashions and the export performance of the Textile Mill Industry, Handlooms and Powerlooms, please give in full details as to what is your idea about the relative role which the Powerloom industry has to play in the economy of the country vis-a-vis Handlooms and Mill sector and what in your opinion should be a reasonable target of production which can be assigned to this sector?

59. To what extent in your opinion have the Powerlooms combined themselves into Associations, Federations and other representative Bodies. Please give suggestions on the healthy development in this direction.

60. If you consider that Powerlooms should be given a significant role in the production of cloth, please give your suggestions on the steps to be taken for the establishment of the Powerloom Industry on a stable footing, giving also the future geographical basis of location of the Industry, the organisational structure, the inter-relationship with the Textile Mills and the handloom sector and all other connected factors.

1. Number of powerlooms
2. Production of cloth (in yards)
3. Value of production (in Rs.)
4. Expenditure in wages etc.
5. Year
6. Other raw materials
7. Spinning, weaving, etc. for cloth making
8. Capital & allowances
9. Power
10. Fuel
11. Repairs, maintenance and Mill stores
12. Other benefits to workers
13. Other expenditures
14. Total cost of production
15. Selling price
16. Rate of production
17. Profit (Loss)
18. Average net earnings per loom etc.

ANNEXURE No. I
(vide Question No. 39)

ECONOMICS OF WORKING OF POWERLOOM UNITS.

	1 - 4 looms.	5 - 24 looms.	25 - 49 looms.	Above 49 looms.
1. Year to which data given relate.				
2. Number of powerlooms installed.				
3. Average number of powerlooms worked.				
4. Number of loomshifts worked.				
5. Number of workers employed.				
6. Production of cloth quantity (in yards)				
7. Value of production (in Rs.)				
8. Expenditure in Rupees on				
a. Yarn.				
b. Other raw materials.				
c. Sizing, beaming, winding and warping.				
d. Salaries & allowances.				
e. Power.				
f. Rent.				
g. Repairs, Depreciation and Mill stores.				
h. Other benefits to workers.				
i. Other expenditure.				
j. Total cost of production.				
9. Excise duty.				
10. Sale realisation.				
11. Profit (+)/Loss(-).				
12. Average net earnings per loom shift.				

-: 11 :-
ANNEXURE No.II.
 (vide Question No.40)

WORKING RESULTS OF CO-OPERATIVE SOCIETIES

1. Name of the Co-operative Society

1959-60 1960-61 1961-62.

2. No. of members.

3. No. of looms.

4. Share capital.

5. Reserve Fund.

6. Other reserves.

7. Borrowings at the end of the year.

8. Value of yarn consumed.

9. Value of cloth produced.

10. Quantity of cloth produced.

11. Wages.

12. Salaries etc.

13. Power.

14. Depreciation.

15. Overheads.

16. Value of cloth sold.

17. Profits, if any, made.

18. Cumulative loss, if any, at the end of year.

19. Average earning per loom.

20. Average number of looms in a member's family.

21. Special benefits earned from the Society.

	1959-60			1960-61			1961-62		
	Rs.	P.	A.	Rs.	P.	A.	Rs.	P.	A.
2. No. of members.									
3. No. of looms.									
4. Share capital.									
5. Reserve Fund.									
6. Other reserves.									
7. Borrowings at the end of the year.									
8. Value of yarn consumed.									
9. Value of cloth produced.									
10. Quantity of cloth produced.									
11. Wages.									
12. Salaries etc.									
13. Power.									
14. Depreciation.									
15. Overheads.									
16. Value of cloth sold.									
17. Profits, if any, made.									
18. Cumulative loss, if any, at the end of year.									
19. Average earning per loom.									
20. Average number of looms in a member's family.									
21. Special benefits earned from the Society.									
Total									

PART II

SCHEDULE TO BE FILLED IN BY POWERLOOM ASSOCIATIONS,
FACTORIES, ESTABLISHMENTS, PROCESSING UNITS AND
OTHERS.

1. Name and address of the Association.
2. Date of formation ..
3. Aims and objectives of the association (please enclose copies of bye-laws of the association, if available).
4. Is the association a registered body? If so, give particulars.
5. Number of members as on 1-1-1963:-
 - (a) Individuals ..
 - (b) Establishments including partnership concerns.
 - (c) Joint Stock Companies ..
 - (d) Private Limited Companies ..
 - (e) Co-operative Societies ..
 - (f) Others ..

TOTAL ..

POWERLOOMS.

6. Number of Powerlooms with members as on 1-1-1963 classified according to holdings.

Size of unit	Cotton		Artsilk		Silk		Woollen		Others		Total	
	No. of units	No. of Powerlooms	No. of units	No. of Powerlooms	No. of units	No. of Powerlooms	No. of units	No. of Powerlooms	No. of units	No. of Powerlooms	No. of units	No. of Powerlooms
1	2	3	4	5	6	7	8	9	10	11	12	13
1 Loom												
2 Looms												
3 "												
4 "												
5-9 Looms												
10-24 "												
25-49 "												
50-99 "												
100-299 "												
300-Over												
Total ..												

6.(a) No. of looms switched over for weaving to Artsilk from cotton and from cotton to Artsilk during each of the last 3 years 1960, 1961 & 1962. Similarly for Woollen & Silk looms. Please also state the difficulties, if any, faced in making such a switch over and the factors which have contributed to the switch over.

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7. Number of powerlooms with members as on 1-1-1963 classified according to types and width.

Width	Below 28"	28" & below 44"	44" & below 50"	50" & below 60"	60" & above	Total
Type	2	3	4	5	6	7
a) Standard Powerloom						
b) Cottage powerloom						
c) Pedal looms converted.						
d) Looms employed on i. Tapes & Newar. ii. Ribbons. iii. Others.						
Total ..						

8. Number of powerlooms with members as on 1-1-1963:

Without attachments.	With Dobbies.	With Jacquards.	With Drop boxes.	With Other attachments.	Total
No.					

9. Details of acquisition of looms in existence on 1-1-63.

Mode of acquisition.	Looms acquired prior to 1-4-1956.	Looms acquired on 1-4-'56 or thereafter.	Total
1	2	3	4
1. Purchased new			
2. Purchased second-hand from mills in working condition.			
3. Purchased from others in working condition.			
4. Purchased in parts and assembled.			
5. Others.			
Total			

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10. Pattern of working of looms: Here all looms are classified according to ownership and agency for which they work into three categories: (a) Owned and worked by the same agency; (b) Owned by one agency and worked by it on job-basis for another; (c) owned by one agency but worked by another, on lease or hire.

Description	Cotton	Art Silk	Silk	Woollen	Others	Total
1	2	3	4	5	6	7
(A) Looms in independent-owned units.						
(a) 1 - 2 looms.						
(b) 3 - 4 looms.						
(c) 5 - 9 looms.						
(d) 9 - 24 looms.						
(e) 25 - 49 looms.						
(f) 50 - 99 looms.						
(g) 100 looms & over.						

Total ..						
(B) Looms undertaking production on job-basis.						
(a) 1 - 2 looms.						
(b) 3 - 4 looms.						
(c) 5 - 9 looms.						
(d) 9 - 24 looms.						
(e) 25 - 49 looms.						
(f) 50 - 99 looms.						
(g) 100 looms & over.						

Total ..						
(C) Looms on Rental or lease basis.						
(a) 1 - 2 looms.						
(b) 3 - 4 looms.						
(c) 5 - 9 looms.						
(d) 9 - 24 looms.						
(e) 25 - 49 looms.						
(f) 50 - 99 looms.						
(g) 100 looms & over.						

Total ..						

Grand Total ..						

(11) Average number of looms employed per day.

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Working	Hours per shift	In units hav- ing 1-4 looms.			In units having 5-24 looms.			In units having 25-49 looms.			In units having 50 to 99 looms.			In units having 100 looms & over			Total		
		1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Less than one Shift.																			
One Shift.																			
Two Shifts.																			
Three Shifts.																			
TOTAL																			
Idle																			
Grand Total																			

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	In units having 1-4 looms.			In units having 5-24 looms			In units having 25-49 looms			In units having 50-99 looms			In units hav- ing over 100 looms			Total		
	1960	61	62	1960	61	62	1960	61	62	1960	61	62	1960	61	62	1960	61	62
A) <u>No. of workers</u>																		
<u>in preparatory</u>																		
<u>process</u>																		
(i) Males																		
(ii) Females																		
(iii) Children																		
Total																		
B) <u>No. of workers</u>																		
<u>in weaving:</u>																		
(i) Males																		
(ii) Females																		
(iii) Children																		
Total																		
C) <u>No. of workers</u>																		
<u>in post-weaving</u>																		
<u>process:</u>																		
(i) Males																		
(ii) Females																		
(iii) Children																		
Total																		
D) In Supervisory,																		
Clerical & other																		
jobs.																		
GRAND TOTAL																		

13. Indicate the months falling in the busy season and those in slack season : (Busy Season.....
 (Slack Season.....)
14. Indicate the employment position of weavers during busy and slack seasons :

	Busy season			Slack season		
	1960	61	62	1960	61	62
(1)	(2)	(3)	(4)	(5)	(6)	(7)

- (a) Males
 (b) Females
 (c) Children

Total

15. Wages :-

- (i) Normal mode of payment - piecework, daywork etc.
- (ii) Average rate of wages per month - (a) for weaver - male, female & children separately.
 (b) for assistants engaged in preparatory or finishing processes.

Give separately the monthly wage rates fluctuations, if any, in slack seasons and busy seasons :

16. Is there any other occupation followed by the proprietor (for single man proprietorship only). If so, give the nature of such occupations?

RAW MATERIALS

17. Please give the average monthly consumption of yarn (in lbs.)

Count Denier Grade	In units 1-4 looms			In units hav- ing 5-24 looms			In units having 25-49 looms			In units having 50-99 looms			In units having 100 looms & over			Total		
	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962	1960	1961	1962
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19

18. Normal arrangements for procurement of yarn.

Mode of purchase	Yarn purchased (in lbs.)		
	1960	1961	1962
(a) Purchased from market.			
(b) Purchased directly from mills.			
(c) Supplied by mills or other agencies for weaving on a job-work basis.			
(d) Others (specify)			
TOTAL			

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21. Dyes and Chemicals and other raw materials consumed. (Monthly average in Rupees)

1960

1961

1962

(Please give details of the main Dyes and Chemicals, sources of supply and maximum and minimum rates paid during each of the above three years)

22. Electricity and other motive power consumed :

Sources of supply and rate per unit :

If power, either electricity or steam is generated individually by use of coal, diesel Oil etc. and cost is distributed to the looms worked in each shed, please give the net cost per loom shift working.

23. Production.

Main types of cloth.

- 1. Dhoties
- 2. Sarees
- 3. Mulls
- 4. Voiles
- 5. Sheetting
- 6. Drills
- 7. Shirting
- 8. Long cloth
- 9. Coating
- 10. Bedsheets
- 11. Others
- 12. Satin
- 13. Crepe and half crepe
- 14. Taffeta.
- 15. Suitings
- 16. Uniform cloth
- 17. Lohis
- 18. Blankets and Rugs.
- 19. Others.

Exception. Whenever during the session of the Bombay Legislative Assembly or of the Bombay Legislative Council a member under a Railway journey

1960		1961				1962						
YARDS		Woollen	Silk	Mix-Cotton	Art silk	Woollen	Silk	Mixed Cotton	Art silk	Woollen	Silk	Mixed

Committee, etc., he should be allowed to draw first class railway fare each way if he actually travels a distance of more than 100 miles and provided further that the journey from the place of meeting to the place of session is made immediately after the meeting is over.

Rule 11	During the first year of training	Rs. a. p.	1 4 0	Rs. 1.25
	During the second year of training		2 8 0	Rs. 2.50

Section II- Rule II-A.	Distance between the dispensaries or the place of residence and sub-jail.	Rate per trip.	Maximum limit of amount per month.	Distance	Rate	Maximum limit.
		Rs. nP.	Rs. nP.		Rs. nP.	Rs. nP.
	Upto 1 mile	0 75	7 50	Upto 1 Kilometer	2 0 00	7 50
	Between 1 and 2 miles.	1 00	10 00	Between 1 and 2 K.M.	10 0 64	10 00
	Between 2 and 3 miles.	1 25	12 50	Between 2 to 3 K.M.	12 0 80	12 50

17(i) Honorary Medical Officers, Senior and Junior Ophthalmic Surgical Camps arranged by Government from time to time should be granted travelling allowance as admissible to Second Grade Officers and daily allowance of Rs. 5.10.0 per diem.

17(ii) Honorary Surgeons and Anaesthetists deputed to work at the Surgical camps arranged by Government from time to time should be granted travelling allowance and daily allowance as admissible to first grade

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24. For some of the important varieties, give the following details:

1960 1961 1962.

1960 1961 1962

1. Counts of warp x weft.

2. Reed x Picks.

3. Length x Breadth.

4. Weight per piece.

5. a. Cost of Materials per piece:

i. Cotton Yarn.

ii. Art Silk Yarn.

iii. Silk.

iv. Wollen Yarn.

v.

vi.

Total.

b. Power/Oil/Coal consumed per piece:

c. Cost of Labour per piece.

i. Dyeing.

ii. Preparatory.

iii. Weaving.

c) Cost of labour per piece (Ctd...)

iv. Finishing.

v. Miscellaneous.

Total.

d) Repairs, Depreciation, Stores.

e) Overheads, rent, insurance etc.

f) Total cost of Production.

g) Excise Duty *

h) Price recovered per piece.

i) Retail price in the market as paid by the consumer or export price.

* Please indicate the details of working this item.

	1960	1961	1962
1. Counts of warp x weft.			
2. Reed x Picks.			
3. Length x Breadth.			
4. Weight per piece.			
5. a. <u>Cost of Materials per piece:</u>			
i. Cotton Yarn.			
ii. Art Silk Yarn.			
iii. Silk.			
iv. Wollen Yarn.			
v.			
vi.			
Total.			
b. <u>Power/Oil/Coal consumed per piece:</u>			
c. Cost of Labour per piece.			
i. Dyeing.			
ii. Preparatory.			
iii. Weaving.			

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25. a) Please state requirements (giving the basis for the calculation) and actual supply of yarn in 1961 and 1962:-

Cotton Mill Yarn.	Counts of yarn/Deniers.	Requirements.		Supply	
		1961	1962	1961	1962
Art Silk yarn					
Woollen Yarn					
Silk Yarn					
Mixed Yarn					
Others					

- b) If any particular brands of yarn are preferred, please state reasons for it.
- c) Describe the problems arising in the supply of yarn and other raw materials.
- d) Is it possible to improve the arrangement for yarn supply in such a way that yarn goes to the powerlooms at a cheaper price? Please give your suggestions in detail.

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36. Investment:-

(a) Please make an estimate of capital investment as follows:-

- i) Current value of loom or looms.
- ii) Current value of other equipments, if any (warping, sizing, doubling, oil and power, core cutting, calendering machines and tools).
- iii) Value of land and buildings(at present prices), if any, and/or rent per month.
- iv) Any other capital investment.

Total.

(b) What was the year of original investment for each loom?

(c) Please state total investment, net profits and turnover for the years 1960, 1961 and 1962. If possible, furnish the balance-sheets for these years.

	Total Investment Rs.	Net profits Rs.	Turnover (Total Sales) Rs.
1960			
1961			
1962			

(d) In the case of a Co-operative Society and Joint Stock Companies, please state number of members, share capital, reserve fund and borrowings from Banks and others for the last three years. If possible furnish the balance-sheets for the three years.

	No. of members.	Paid-up share capital.	Capital Reserve Fund.	Borrowings from Banks	Borrowings from others.
1960					
1961					
1962					

(e) Please indicate the extent to which investment is :

	Borrowed	Owned	Total
i) Personal investment			
ii) Partnership			
iii) Private Limited enterprise			
iv) Co-operative Society			
v) Any other			

27. Working Capital :-

	Period	Working Capital Required
(a) (i) What are the requirements of working capital (i.e. for purchasing yarn and other raw materials and marketing the products) for a normal period.		
(ii) What facilities exist for borrowing in cash or kind (e.g. advances of yarn) for the factory.		
(iii) What are the sources and extent of borrowing and the rate of interest charged.		

	Source of Loans	Amount	Rate of Interest
1960			
1961			
1962			

28. (a) Please describe the arrangements for marketing of the cloth manufactured.

(b) What varieties and volume of production are consumed within the local area (Tehsil or Taluk) and what varieties and proportions are sent outside the local area? Please specify the outside markets and the varieties sent to each.

(1) in 1960, 1961 and 1962.

(in yards)

	Type of cloth											
	A			B			C			D		
	1960	1961	1962	1960	1961	1962	1960	1961	62	60	61	62
(a) Within the country												
(i) Local Area.												
(ii) Outside Local Area.												
(b) Outside the country.												

(c) How many days' or months' stocks of yarn and cloth are held over normally? Give figures of stocks of yarn and cloth for this period in lbs., yds., and Rs.

29.(a) Have there been any significant changes in the types of cloth produced and counts of yarn used as in therecent years?

(b) If you are producing coloured yarn sarees, is it possible for you to weave other varieties of cloth? If not, please state reasons.

(c) What are the factors which offer inducement or discouragement to the increased production of Powerloom cloth? How far have the powerlooms utilised the restriction placed on output of Mill cloth?

30. Please explain the relationship (Social and economic) between :

(a) Factory owners and his workers,

(b) Was the factory owner originally a handloom weaver? If so, was he an artisan, masterweaver or mahajan.

What are the working conditions in general, and the sanitary and health conditions in particular?

31. Is there scope for centralised modern units to undertake processing and finishing operations?

(a) Please describe to what extent and in what form preparatory processes (e.g. winding, warping, sizing etc.) or finishing process (e.g. bleaching, calendering, balling etc.) are carried on in your area?

i. the factory, and

ii. outside the factory.

(b) To what extent machinery is used in the above processes.

(c) Please mention the raw materials used in these processes, the nature and quality of the materials and the sources of their supply.

32. A short historical account of the origin, development and present position of the Powerlooms Industry in the area :

3. Any other interesting information.

Signature.

Place.....

Date.....

