



#### **OCCASION**

This publication has been made available to the public on the occasion of the 50<sup>th</sup> anniversary of the United Nations Industrial Development Organisation.



#### DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as "developed", "industrialized" and "developing" are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

#### FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

#### **CONTACT**

Please contact <u>publications@unido.org</u> for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at www.unido.org

WITH ORIS

United Nations Industrial Development Organization

1. 1927 National Science Science of Ant Service 18 1987 center to National

or with proving the transform the three managers of the first terms.

Larry to the same of the same of the

Agranta item 6

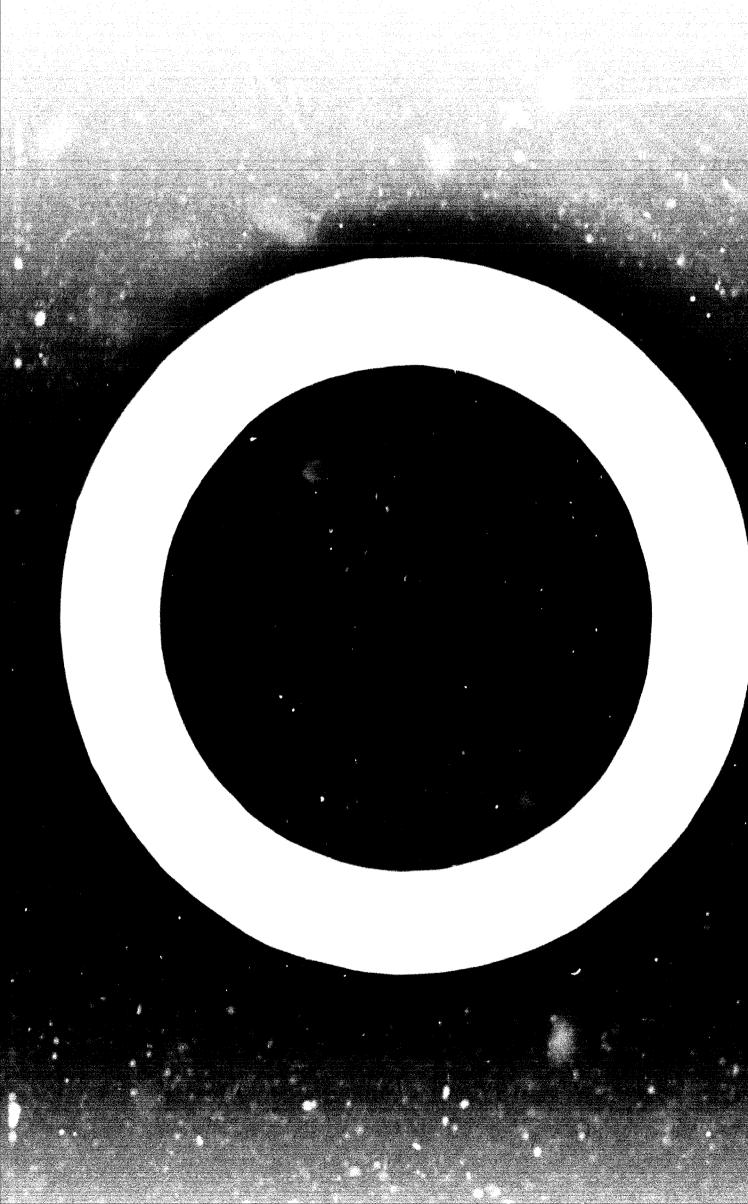
0

Professor & & hars Separt of the Interruptions: Labour Transcontinus

The rises and opinions expressed in this paper are those of the author and do not necessarily reflect the views of the aperetaries of WISO or WISO. The investment has been reproduced without formal editing.

to regree that came of the pages in the attractions capp of this report may not be up to the proper legibility standards, even though the best provides capp one used for propering the master finds

報報を







Otetr. Rootrintai

ID/COMP. 2. BF. 5. April 1967

CAIGIMAL BELLIN

# mited Nations Industrial Development Organization

TANKS IN A TOTAL COMPOSITOR ON TROBUICAL SERVE MAY TOTAL FOR

Pothers, immers A June to 8 July 1967

# TO THE PARTY OF TH

by Profession A. B. Davis

Processed by the Sanil-orale Industry Saviles Sadden Salaras Industrial Savilegant Companions



#### BABLE OF CONTENTS

100	1
MEED FOR AND SCOPE OF SERVICES	2
TYPES OF SERVICES AND PACILITIES	5
1. Extension services	•
	9
Other services	10
ORGANIZATION OF SERVICES	12
PARTICIPATION OF ENTREPRENEURS IN THE DEVELOPMENT OF SERVICES AND FACILITIES	16
	TYPES OF SERVICES AND PACILITIES  1. Extension services. 2. Financial services. 3. Common technical services. 4. Other services. CORGANIZATION OF SERVICES.  PARTICIPATION OF ENTREPRENEURS IN THE DEVELOPMENT OF



#### SERVICES AND PACILITIES

# FOR SMALL-SCALE INDUSTRIES IN INDUSTRIAL ESTATES

#### INTRODUCTION

In most countries, industrial estates set up either as a device for planned location of industries or as an instrument of rapid industrial development, offer, besides other amenities, a variety of common facilities and services. In some countries, industrial areas are being developed that offer only improved sites without any common technical services. While in an advanced country the various services required by an industrial unit can easily be mobilized either through its own resources or provided by service agencies on a commercial basis, this is seldom possible in countries or regions in the process of development. In the latter, the nature and size of the demand for such services are often so limited that independent and self-sustained growth of these facilities is usually precluded, at least in the early stages of industrial development. Yet it is at this stage that they are required the most; they should therefore be set up by an agency responsible for the growth of industry in general and more particularly of small-scale industry.

Industrial estate and other promotion and assistance programmes are intended to enable small industries to become a self-reliant sector of industrial activity. When integrated with an industrial estate, the common facilities and services can be provided with anximum economy and effectiveness. The units outside the estates also require these services and probably more so. It should, however, be emphasised from the outset that industrial estates and services would not normally suffice to ensure maximum utilization of limited resources in an under-developed economy. In developing countries, industrial clustering and common servicing would be of maximum advantage only if integrated in a comprehensive programme of promotion and assistance of small-scale industries.

This payer has been prepared by Professor A. D. Bohra, I.L.O. Esport, Smill Industry Service Institute, Volume, Copies.

#### I. MEED FOR AND SCOPE OF SERVICES

The services and facilities of an industrial estate are mainly aimed at improving the productivity of the units served and reducing their production costs. General facilities such as power, water, gas and communications are required for the very existence of the occupants. Other services like canteen, inspensary, police and fire protection contribute considerably to the welfare and efficiency of the industrial establishments. Especially for small-scale industries, another category of external assistance is needed, namely, technical facilities intended to enable them to overcome their limited resources, financial and human, and other characteristic disadvantages associated with the smallness of their size.

There are a number of processes in industrial production and management where economies of scale play a significant part in the cost structure of the product. These processes can with great advantage be handled jointly for a group of units in a common facility centre, leaving only such processes to the individual entrepreneurs as can be performed ifficiently in their respective units.

By their very nature, some of the services and facilities mentioned above fall within the purview of local, municipal or other public authorities; they need to be provided by them timely and in adequate measure to ensure a smooth development of the industrial estate. On the other hand, the technical facilities for small undertakings should be organized by the agency responsible for the development and growth of the small industry sector in the larger interests of the national economy.

while large units often know their problems and are capable of obtaining external assistance on their own, small units need help first in recognizing their own problems and then getting the necessary assistance to solve them.

In some cases they may not be in a position to pay fully or even partly for these services, particularly in the early stages of their development. The agency establishing the common technical facilities in the estates should provide fishabilal wherevithal for this purpose.

The aim being to help small industrial units to become a self-reliant sector of the national economy by overcoming the disadvantages of smallness, only such services need be provided from outside which a unit may not be capable of organizing on its own because of one or several of the following reasons:

# (i) Inadequate demand for equipment or personnel

For example, a unit employing a couple of power presses needs
occasionally to have its press tools ground. Yet its work load may not be
sufficient to keep a grinding machine occupied for a reasonable period of
time just for this type of work. Similarly, a unit may need only once in
a while some equipment for installation of machinery, for instance a crane,
or technical personnel for maintenance of tools or installation of machinery.

# (11) Lack of resources, both financial and human

Though there may be sufficient work load to justify the purchase of a machine, it may not be within the reach of a small unit either due to want of capital resources and/or foreign exchange, as is usually the case in under-developed countries. A case in point is, say, a jig borer. In the absence of this equipment or persons to handle it, costlier and not so accurate traditional methods have to be resorted to for producing manufacturing aids.

# (iii) Lack of technical or managerial skills

This is often the case in small units for operations involving high skills and controls, such as heat treatment and other finishing operations in the manufacture of metal products, testing of raw materials, semifinished or finished products, and so on. The conduct of a survey or market research or even of an advertising campaign are other instance of operations which cannot be undertaken in small units because of lack of managerial skills.

In a cluster of industrial up ts, there are a number of activities which lend themselves to a common approach and to unified control irrespective of the products made by individual units. The equipment required and the process imvolved in electroplating, for instance, whether it relates to electroplating a bolt, a wheel of a sewing machine or an automobile bumper, are just the same.

where the joint demand of several small units for a given operation like electroplating approximates that of an economically viable process-oriented single whit, this operation can be better performed at lower cost in a common place than if it were attempted individually.

In order to generate or keep alive the spirit of self-help, the common services should be provided only to the extent that the requirements fail short of the beneficiaries' resources and only after such resources have been actually mobilized.

Wherever it is felt, on careful consideration, that the common service facilities can be provided on a commercial basis, efforts should be made to encourage setting up a private enterprise for this purpose - say, a unit for making tools, for heat treating or electroplating. These could also with advantage be organized by the joint efforts of the beneficiary units. Frivate consultant firms may also be interested in providing some of the services.

often, however, and particularly in developing countries, it is not possible to operate these services at a profit. In the first instance, the work lead may not be sufficient, yet the facility has to be established. In the early stages of growth of an estate, it is least paying when it is required the most. In other cases, the units may be reluctant to avail themselves of some facilities, say, testing of foundry sands or electrolytes, fine to lack of appreciation of their importance. The very idea of benefits to be derived by availing of the facility may then need to be explained and installed into the industrialists.

As far as possible, government-provided services should not compete with free enterprise or with the joint efforts of the tenants unless the situation so demands on the grounds of social justice and in the larger interest of the community in cases which cannot be handled through administrative or regulatory seasures.

As a rule, once the development stage is over, most of the services start giving an economic return. At this point it is worthwhile for the powermment to pass over their management including ownership to private enterprise or to a joint body of the terants of the industrial estate.

Co-operative action by the townste is argumining corriers remove the ever-emphasized. Apart from operating a remove famility seater, they could equip their individual everabors on the basis of all above) we maiti-entered besistance programmes. Each wait resomptions in this programme remain with advantage undertake to carry out certain selected operations for all the units in the group.

# II. TYPES OF SERVICES AND PACILITIES

Manufacturing units in the instantrial estates, particularly the emilier tases, require one or several of the services and facilities detailed teles. These are broadly divided under tares unia categories - estameism corrient, flanorial services, and common technical services.

#### 1. Estens a services

small firms enamed afford - as the large case cas - to employ especialists on their staff to bandle all their production and management problems. Such persons, if employed, cannot be aspt fully busy. Estension services are organised in order to enable small units to obtain the services of specialists as and when they need them. The main estension services are advisory or consultancy services, training, information and research services.

## Advisory or consultancy services

This is by far the most important service required by small units in their day-to-day problems and in introducing improved tools and techniques of production and management. The service can be organized either for individual units or for a group of firms depending on the nature of the problems to be solved. The service should include a sufficient number of specialists to provide technical counselling and evidence and management consultancy services including productivity improvement. The problems involved may relate to melection of proper equipment, layout, production planning and control, design and construction of manufacturing mids, unintenance of equipment, organization, personnel management, costing, purchase of raw unterials, marketing, and so on.

Administration of constitues in great mode, particularly done "industrial transformation and transformation continues to the province of creditorium and entertweeters and continues to the continues. These are the continues to the continues of the continues. These, their continues consumes an order of paper and transformation of the continues.

#### fre eas

Office the compare of anti-fire tore tak as formal training to compacount. But they feel that they take all that made to be taken and that and they be not taken to not excite the most for their one training and also for percental to make them realise the most for their one training and also for these exists maker than apportions and excites a fibert tore "approximation" compare prove to be very model to resulting the testinal consequence could industry changers, to the extent of industrial time to take a long tore

With the introduction of are equipment and antibode of production, there is always a need for approximation exists of supervisory and specific staff in an individual unit. Institutional training or on the job training programme should be regularly organised by the extension corrige. In addition to this the supervisors seed to be trained in techniques of supervisors and percented analysis of supervisors.

Fremeticas to higher grades and positions of granter responsibility are often given as a remark for good performance at lower level. As excellent mechine operator, when promoted as a sharpe-band to look after a number of operations, toos not automatically become a good supervisor or may not be able to control the operation of mechines not bandled by him so far. Frogramme of retraining for such personnel including to some extent formation of now shills cannot continued on tisfactory performance of the specative staff.

The introduction of new tools and techniques of production and management is easily effected if their performance can be demonstrated to the entrepreserve.

newers. These demonstrations may be of short duration or spread over a number of days depending on their nature and whether they are "method" or "result" demonstrations and are often carried out for a group of firms having similar interest at a common facility centre.

Committee relate to repairs and preventive anishmans of anishmery and equipment. Accordance is also often method by anny a fire to biring on table personnel for a fire of the prevention.

# became time for this tree and perceived

Provided to the terms of personnel to be established to take trade or a relatively cook are offertive. The cooks of persons. For cooks to take without, the test codes are printed cooks and and anti-resonal acts. A good library of books, files, filestrips code the library of books, files of estate. The persons are trade or persons and the persons and study and only by the tenants but by estancism pervice personnel as only.

Again from published entertail there is a need for literature specially produced by the estates on pervise on problems of immediate interest to the temporary. This should form part of a decimentation centre giving roady telementation on all amiliable entertails including assertated bibliographics of hitorature emiliable in the entert.

The need for a reading room alongside the library, well equipped with technical periodicals and angusines, cannot be over-explanated.

The organization of study strates, meetings, vertabape, extension lectures and exhibitions aimed at solving specific problems to an eccential activity of an information pervise.

#### parates estates

The fields is which small-scale industry scale research assistance may be divided in two main categories, amply, technology and economic and social aspects of small industry development.

Technological research programmes carried out in collaboration with other agencies involved in basic and applied research in the country need to exacentrate only on problems of special significance to small industry in the area served by them. The problems include those of product design, appropriate technologies concerning suitable tools and techniques of production,

emblyous and testing of materials and finished products, design of tomic and other manuforturing side, and so me.

In developing countries, problems of exploring new or substitute row materials are becoming increasingly important and so are those relating to furl and energy.

is introducing a new product it has been found extremely useful to have the initial development of the product and prototype production of "sero" series carried out is a common facility centre, which is effect acts as a development department for a large number of small units. The fully developed product with its manufacturing process can then be passed on to small firms as a "package doal" for commercial exploitation or, as a further step forward, the plant may be set up and banded over to the industrialist as a "turn-key" project. The concept of prototype-production and training centres in India is worth a mention in this regard.

In a developing country adopting foreign designs of new products for local annulacture and sometimes importing raw anterials for that purpose, there is a significant problem of standardisation of components and raw materials to suit local conditions. This forms an important field for research.

Sconomic research may be directed towards problems of individual firms, a group of firms or an industry as a whole. It may also be of value to the government in formulating its policies and programmes of industrial development.

The problems of small firms requiring economic investigation include subjects like:

investment decisions on what new line of manufacture to adopt
 or in what direction the existing work needs to be developed

COMMITTEE SERVICE

- · preparation of project reports
- market research
- . distribution aid surveys
- · choice of location of plants
- choice of production methods
- · problems of management and organization

- · cart chalies
- · productivity studios
- Giagnostic studios of the settes plant

Sabor-fire importance undertakes with the body of a southest columnian against source a unifor purposes to relating productivity and columnianally per-formace across.

# 2. Owners proved

Apart from the general and programme of providing cross to make force. We industrial estate about these a gene banking corries to bankle financial transactions for the tenants. The bank emake also supplement other cross. Seculities by providing open impact or impact to be security of pledged aphenial.

Incurance services should be excitable in an estate to some any time of property due to fire and other baserts as will be rises of personal targery or lass of life of vorters in accordance with the tabous have of the country.

In a country where sid-age pensions or retiring benefits for employees are not educated by the state, it would be desirable to set up a common agency that could bandle this service for all the units in the cotate. This would ensure not only an economic operation but also give an added comfidence to the employees regarding the security of their weifners.

financial and cost accounting. They need advise not only as procedural uniters but also in physical unintendence of accounts. In some of the audior firms, the work lead may not be enough to employ whole-time publified accounts. An agency especially set by in the estate could with advantage undertake tail work for a number of firms and also provide advice to the respective undertake this seats. This however presupposes that the until units have confidence that the accounting firm will not disclose their financial affairs. Unintendence of other records and filing of various periodical returns to different government departments may also be undertaken by a common agency. Installiation of computers in a central place to handle some of this work for a large number of firms is constinct worth compideration.

Auditing of execute, wherever necessary, may be entrusted to a common agency in the estate rather than to different auditors appeared by made individual firm.

# 1. (See See See See Services

As the time of a contract of the contract contract of the process of the process of the contract of the contra

The desired and an exercise of the far the energy operation to each the energy of employment to enter the energy of employment and the contract of energy operations.

#### 10 Page 170

The of the date problem being and I from to to each temporal of the each first manual afford.

The equal temporal temporal acts to the temporal for the purpose. The each for a male of a male of the equal temporal tempor

#### (1) before several

A failly equipped interesting for continuing, electrical, paint, continuing, etc., the ; to the cont cay to , can prove to to a great cont in an industrial extent for eneming policity production at income and. Cont firm, though constructed on industrial the cont for policity contents, be not more fortistation of the cont for policity contents, be not more fortistation of their things.

The do not find policity of continues of products to the contents of products to the contents.

The do not find policity of contents of products to the contents of products to the contents.

# ( + ) Harge for specialized processes

I restrict of promotions to an instantive and advantage require electronic expension of the contract of the co

Same of the processes in this enterory are welding, beat treatment, electroplating and other finishing operations, forging, die onsting, packaging, and so on. While individual firms may not be able to carry out these processes, the equipment in a same workshop can be operated economically, being more fully employed by a number of units.

# (4) Whistenasee of equipment and buildings

If undertaken by qualified staff of the common facility centre, this corries is particularly efficient and economical.

Other technical facilities that may be taken advantage of by the temporal of an industrial estate are

- (a) Medias issue show Firms requiring occasional use of a particular medias should be able to go to this shop and pay for its use.
- (b) impact of twois and equipment. Some of the contly tools and importion equipment occasionally required by a small firm should be made available in the estate on hire.
- (a) Installation and bauling equipment to be made available whenever required by a temmat, is a great bely. It obvious the need for individual purchase with the risk of being kept idle, or for expossive hiring from outside whom monded.

## 4. Other pervices

Another important corries which my be provided in an industrial cotate to in the field of publicity and advertising, including exhibition of products for male and expect premotion. For instance, space is novepapers, on hourdings and time ever radio, television and in cisemas my be hired jointly for a period of time at commencemal rates to be utilized by individuals on a material expect bacis.

Services of impli advicers and practioners are jet another area that may be entrusted to a common agreey except where intra-cotate disputes are involved.

with increased consciousness regarding the benefits of securing specialized assistance, may entreprenduce are willing to farm out the entire work of setting to see unit. Experience shows that the facility of "turn-bey" projects is

especially appreciated in industrial areas.

Bulking of requirements of raw materials and joint precurement may be attempted more conveniently and economically.

#### III. ORGANIZATION OF SERVICES

As stated earlier, certain services and facilities should, by their very nature, be provided by public or other statutory bodies. This is the case of infra-structural facilities, banking, insurance and other public services like post and telegraph.

when an industrial estate programme is integrated with regional development, it is easy to interest the organizations concerned to establish these facilities in the estate or to make them closely accessible as a part of their own regular development programme. In some cases, however, where the additional investments are out of proportion and not commensurate with immediate leturns, the government or the development authority of the estate may have to underwrite the costs for an initial period. It may not always be possible to recover these costs from the beneficiaries.

As indicated earlier, the extension and technical services are previded where it is not possible for an entrepreneur to obtain them economically or efficiently for one or several of the following reasons:

- (i) inadequate appreciation of the service and its benefits
- (11) lack of technical personnel on the employment market
- (iii) lack of capacity to hire technical expertise due to insufficient work for economic utilization of hired skills
  - (iv) lack of proper equipment due to its non-availability or due to inadequate work for rational and economical utilization of the equipment.

As a rule, the extension services, at least is the beginning, should be provided by the development agency. In most cases, the agracy would be a government or a government-sponsored organization. In the course of time, private consulting firms may come up when the entrepreneurs become sufficiently conscious of their requirements.

to must developing emphrise, a pre-request organisation for extension was the limitations. This is her to review renorms, was of which are:

- (a) Proper personnel to not ottracted by majories offered for public cortics.
- (b) The estancian or advisory more in often sharped with the requiresibility of requirement on bottoil of the state. These two functions are not competible.
- (c) There is implement immediate for a public correct for bother performance particularly when the results equally to assessed to qualitative terms:
- (4) Four of an extension agent based mand particle to cortain bearfictionise. Extension cost involves gausing confidence and cortain
  intensionly with a few firms over long percents of time a fact
  which may not always to approximated by others beamsday the agent's
- (a) Physical adherences to government rules and provedures to gother often irrhence and and constant to be the town inguises of confidence and builtby personnel relationabiles between the extensions officers and the entropy consumers is a most consisted conduction for the rules of the provess of the prove

In option of these and empty other identifications, presentates have be stop to the ent of empty industry extending services. There we present its standard to some regardant on their than a tire of presentation to the extending which about the services of the extending the services to the extending considered to the services.

Small units are not always very exchangeable to except where we be play for it, particularly in under-severinged areas. In each chang, the extension pervise change to provide free ever though it may be folky realized that free correction is not always approximated and may exactions to either evaporated or abound. Observer possible it is advisable to kery a charge for the earthin. In arrangement which, increasedably, aught man the estambles officers may careful in girtag proper advise.

The entroprocure for the training as a part of the over-all development programs. In order to entropy the training as a part of the over-all development programs. In order to encour test results such of the three parties and make, in the form or the other, each entropy to the charged for training, the entropy tests. For includes, where as form are to be charged for training, the entropy tests. By together the training and the restriction to your regular engage to his personnel while under training and the restriction time by the trainer may be in the form of any additional expenditure to the

The type of remains services required to the important forthers
for remainsention in planning an industrial estate. Some remains services
depend give the prospective industrial removation of the setate. Their
provides my to their taken white are not too direct. In case other
ribids or are such that intervanit services my be provided. In case other
the estambed semand justifies setting of an independent unit for any partirader service, a private entroprocess resid to secondard to be so as a basic
most proposition right from the beginning. Where the demand is not adopted
and just the service is required, asitable corrections my most be as at a by
his devaluation of the demonstration effort of the powerument contains and only in terms.

Let a result of the demonstration effort of the powerument contains and in terms.

The appropriate for the personal provided by assume fortifly extended the tends of the the stands to the tends of the personal contribution and the personal contribution of the additional to the tends of the contribution of the contribution.

It is often from an expensive for the elitiantian of the corriers. This is according to the corriers that is according to the corriers as it is according to the corrier of a developmental values of experimental is experimental to describe the corrier of a developmental values of experimental is experimental to describe the corresponding of the corresponding to the

appreciated; and (11) where the area is industrially backward and encouragements for rapid growth should be given.

In any of these or other situations, the extent of subsidy, if and when provided, should be clearly communicated to the beneficiary so as to enable him to formulate correct estimates of his true costs. This would also facilitate the revision of cost estimates from time to time.

A proper system of allocating the resources and facilities of the common workshops among various applicants needs to be worked out carefully and priorities about be set up. Once the demand from any individual party increases to an estent that equipment or a worker could be utilized at full capacity, the unit concerned should be advised, and if necessary assisted, to acquire cimilar facility for its own use.

It is quite apprepriate to levy full charges for legal assistance, a remarking and auditing, advertising, and the like, vithout any element of state assistance or subsidy. Such services should normally be provided on a compressi or business basis and it is preferable to have them organized through an association of the firms in the industrial estate with or vithout partnership with subside units, as may be considered economical and feasible.

It is not desirable that some institutional arrangements be under for providing various corvices and facilities to different industrial units. For this purpose the development authority responsible for industrial growth would be cold advised to establish in or for the industrial estate a cervice institute along with one or more extendion control to co-ordinate all accid-times and aid programme reportally for small-conic units, with outlable corpused and research facilities. Farallel to this an account on or a co-ordinate energy of the tenants should be organised to bundle such activities as most to be undertaken jointly. The ultimate are should be to make this body a strong institution for organising all the services required for the constitution for organising all the services required for the constitution of the make obsistance from the development authority as may be considered absolutely constitute.

# SV. PARTICIPATION OF ENTREPRENEURS IN THE DEVELOPMENT OF SERVICES AND PACILITIES

Well conceived and properly organized as it may be, a service or a facility may not always be appreciated and therefore may not be fully utilized calocs it is designed to satisfy an expressed need of the beneficiaries. It is not enough to impress upon them the benefits of utilizing the established services but efforts should also be made to involve them in the very process of organising such services. This calls for preliminary extension work among the prospective temants to promote the idea and, to the extent possible, to arrive at joint secisions in regard to the nature and extent to which different services meed to be established, and also to secure their active participation, as distinct from passive consent, in the very setting up of the various services and familities. What cannot be undertaken within the resources of the individual firms concerned, needs to be attempted jointly by pooling their recentees. If even this is not enough or feasible, then only the help of esternal agencies should be invoked. This too should be obtained in such a manor that the need for external assistance is gradually reduced as developmet takes place.

may ways in which the tenants of the industrial estate can participate for metual benefit. However, particularly in under-developed countries, this requires a climate of confidence among the participating firms. The extension erganization can play an important role in helping the units to get over the marrow barrier and misconceived notion of immediate personal gain which may hamper their sustained and rapid development as members of an integrated imbustrial community, in which they would achieve greater bargaining strength, both technical and economical. Through a bold programme of inter-trading and inter-cervice, the small entrepreneurs can take advantage of well-known economics of scale and of specialization.

The programmes of planned industrial communities adopted in most developing countries are a potent tool for raising living standards and putting the unbiasal occasing into a highly geared pace of accelerated industrial growth.

They are an instrument of integrated development embracing all aspects of industrial economy, technology and management. It should be the duty of the beneficiary units to be so efficient as individuals and so effective as an industrial team, both as regards technical performance and business and labour-management relationships, as to earn them the name of an enlightened model community. Only thus can they discharge their obligations to society at large in return for the more than normal share of national resources employed on them. The units concerned would do well to set for themselves a suitable code of technical performance and social conduct.

# V. REGIONAL AND INTERNATIONAL CO-OPERATION IN THE DEVELOPMENT AND ORGANIZATION OF SERVICES AND PACILITIES

Regional and international organizations can render considerable help is the development and organization of technical services for small-scale industries. Their action may include:

- (i) Pooling the experience of various countries and making information available to developing countries to help plan, organize and manage technical services and facilities under different types of institutional arrangements.
- (11) Providing advisory services on the planning of industrial estates and common service facilities, and, in particular, helping in carrying out techno-economic surveys of the type and size of industries which might be set up in the estates, so as to ensure maximum utilization and economic operation of the technical and other common services.
- (111) Supplementing the resources of the state for a limited period by providing expert advice, equipment and technical information for setting up service institutes, extension control, prototype production and training centres and other research development and service institutions.
  - (iv) Ageisting in the troining of extension personnel through followships for training oversees, including in-plant training, and in organizing programmes for the firms in the estates.



