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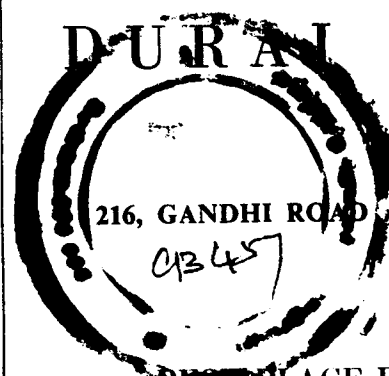
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SPECIAL FEATURE

HIGH PRESSURE BOILER PLANT AT TIRUCHI

ANTICIPATED ANNUAL CASTINGS AND FORGINGS REQUIREMENTS

OPPORTUNITY TO ENTREPRENEURS TO SET UP ANCILLARY UNITS

The High Pressure Boiler Plant that is being set up by Heavy Electricals (India) Limited is intended for the manufacture of high pressure boilers needed for thermal power stations as well as pressure vessels, heat exchangers and high pressure boiler fittings. This plant is being constructed at a place about 7 miles south-east of Tiruchirappalli town, the exact location being about 300 meters south of Tiruchirappalli-Tanjore Road and about 3 kilo metres from Tiruverumbur Railway Station.



2. Tiruchirappalli is well served by railways both on metre gauge and broad gauge. It is also on the National Highway. There is a civilian airport and hence from communication and transport points of view, it is an excellent location for the construction of the plant.
3. This Project, one of the four big industrial units under Heavy Electricals (India) Limited, will have collaboration with Messrs. Technoexport of Czechoslovakia. The machinery that will be purchased for this plant from Czechoslovakia will be procured against credit offered by Government of Czechoslovakia. About 200 Indian engineers and technicians will be given training in various works in Czechoslovakia for periods varying between 3 and 24 months. The collaborators will further send their experts to this Project for bringing the plant into production and to offer technical assistance to us.
4. A separate broad gauge siding to a length of 11 kilo metres from Golden Rock to the plant is being put down to serve as the main means of transport for the raw materials and finished products. Electric power needed for this plant is proposed to

be drawn from the existing 66 KV lines passing adjacent to the plant. A sub-station to serve the factory has already been constructed. A main pumping station that is being constructed at Vengur on the banks of Cauvery and very near to the Grand Anicut will provide the water supply needed for the plant and the township.

5. The production programme of the plant consists of manufacturing high pressure boilers, packaged boiler units, high pressure boiler fittings, coal handling and ash handling equipment. In the first stage of its construction, it is proposed to manufacture 12 high pressure boilers of an average of 200 tons of steam per hour and 10 packaged boiler units of an average output of 6 tons of steam per hour, along with the valves and fittings needed for the above boiler units. In the second stage of its construction, it is proposed to produce boilers to a total capacity of 5000 tons of steam per hour including high pressure boilers even for the 200 MW turbosets while maintaining the same volume of production of packaged boiler units as in the first stage. Coal and ash handling equipments needed for all the boilers will also be produced at the second stage.

6. In order to build up the large man power that will be required in the way of skilled artisans, an apprentices training centre consisting of a school, workshop and hostels has been sanctioned and the construction is nearing completion. When working in full swing the centre will work in 2 shifts and 800 boys will be under training at any one time. The construction of the plant has commenced and the civil works relating to main production buildings are

expected to be completed by the end of the year 1964.

7. As regards machinery and equipment, every effort has been made to maximise on indigenous supplies and only the irreducible and unavoidable minimum will be imported. Of the imported equipment of machinery, Czechoslovakia will supply goods to the value of about 280 million rupees. These are expected to start arriving at site from the first quarter of 1964 and their erection will be taken up progressively with a view to completing the erection by middle of 1965.

8. The production of boilers will commence from early 1965 and it is hoped to complete the production of the first boiler by 2nd quarter of 1966. Target production of 12 boilers of the first stage may be achieved by the end of 1971.

9. Production of these high pressure boilers requires about 3,300 tons of steel and non-metallic raw materials for each of them. Excluding a quantity of about 800 tons per boiler which will be obtained as sub-deliveries (bought out items) from recognised fabricators and dealers, a total of 2,500 tons of fabricated steel items manufactured in this plant, will be needed for completing each boiler. The Government of Madras is setting up an ancillary Industrial Estate adjacent to this plant so that the bulk requirements of sub deliveries could be supplied by small scale industrialists.

10. To house the large number of essential staff of this project, a colony is being built up complete with medical facilities, shopping centres, schools and other necessary amenities.

Requirements of Castings and Forgings for Boiler Project

Statements of the broad parametres for the castings and forgings that would be purchased by this Project when it comes into full production. The figures have been given classifying the castings and forgings by weight. More detailed information on the type of castings or forgings would become available only when the designs for the boilers have been finalised and so, whoever puts up the foundry or forge shop would have to put up an establishment which will be flexible enough to handle all types of varying orders.

LIST OF CASTINGS REQUIREMENTS IN TONNES PER YEAR

Type	Weight	Class Kg.	H. P. Boilers	Shells	Fittings	PBU	Total
Grey Iron	0	10	1,81,540	...	1,19,600	1,93,040	4,96,180
	10	20	35,508	...	19,287	10,500	65,295
	20	50	64,608	...	28,414	13,520	1,06,552
	50	100	75,456	...	2,190	5,920	83,566
	100	300	1,03,584	...	25,460	13,500	1,42,544
	300	500	59,736	...	...	...	59,736
	500	1,000	25,440	...	...	...	25,440
	1,000	2,000	...	...	1,40,000	...	1,40,000
	Total	...	5,47,872	...	3,34,981	2,36,480	11,19,333
	Wastage allowed	...	27,028	...	17,919	11,820	56,767
	Total	...	5,74,900	...	3,52,900	2,48,300	11,76,100
Cast Steel	0	10	0,480	...	4,37,145	...	4,37,625
	10	20	2,976	...	4,35,359	...	4,38,335
	20	50	2,112	...	4,68,848	7,330	4,78,290
	50	100	2,400	...	2,26,215	19,600	2,48,215
	100	300	27,708	...	3,29,020	...	3,56,728
	300	500	47,136	...	1,42,850	...	1,90,986
	500	1,000	...	...	1,89,840	...	1,89,840
	1,000	2,000	67,200	...	44,500	...	1,11,700
	2,000	3,000	...	...	43,800	...	43,800
	Total	...	1,50,012	...	23,18,577	26,930	24,95,519
	Wastage allowed	...	7,488	...	1,15,923	1,270	1,24,681
	Total	...	1,57,500	...	24,34,500	28,500	26,20,200

Type	Weight	Class Kg.	H. P. Boilers	Shells	Fittings	PBU	Total
Non-ferrous Metal	0	1	0,414	...	0,534	0,090	1,038
	1	2	1,116	...	0,350	...	1,466
	2	5	2,052	...	0,963	...	2,015
	5	10	0,912	...	0,410	...	1,322
	Total	...	4,494	...	2,257	0,090	6,841
	Wastage allowed	...	0,006	...	0,113	0,010	0,120
	Total	...	4,500	...	2,370	0,100	6,970

SURVEY OF FORGINGS AND PRESSINGS REQUIREMENT

Forgings	0	1	0,168	...	24,259	...	24,427
	1	2	1,128	...	3,303	0,070	4,503
	2	5	1,788	...	9,039	1,020	11,847
	5	10	3,984	...	10,696	3,400	18,080
	10	20	22,620	...	18,642	...	41,262
	20	50	3,89,340	...	14,127	5,180	4,08,647
	50	100	4,16,028	...	15,160	...	4,31,188
	100	250	1,97,340	...	6,014	...	2,03,354
	250	700	25,440	...	80,733	...	1,06,173
	700	2,000	3,54,960	...	...	...	3,54,960
	Total	...	14,12,796	...	1,81,970	9,670	16,04,436
	Wastage allowed	...	39,808	...	3,430	0,430	45,978
	Total	...	14,52,604	...	1,87,400	10,410	16,50,414
Forged Balls	dia 40-0	261	2,28,000	...	...	...	2,28,000
	dia 50-0	510	2,28,000	...	...	...	2,28,000
	dia 60-0	881	2,64,000	...	...	...	2,64,000
	Total	...	7,20,000	...	...	...	7 20,000

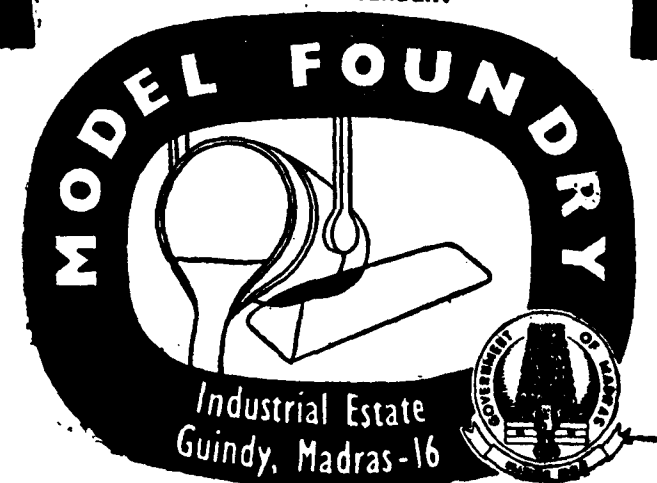
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INDUSTRIAL ESTATE AT AMBATTUR

DESIGNED TO ACCOMMODATE SMALL,
MEDIUM AND LARGE INDUSTRIES

CONSTRUCTION WORK FAST PROGRESSING

INTRODUCTION

During the Second Five-Year Plan Period, the programme of setting up a dozen Industrial Estates all over the State was taken on hand and the response from the entrepreneurs in the small-scale industries sector has been so encouraging that the Government have decided to set up 12 more Industrial Estates during the Third Plan Period. The ground work done in the various sectors of economy during the first two Plans has resulted in a considerable increase in the pace of industrial activity in and around Madras City and owing to the special advantages the city enjoys from the point of view of transport, availability of technical skills and other conveniences, industrialists from all over India are attracted towards this city. While the Industrial Estates have so far been catering to the needs of the small-scale industries, there has been no particular planned programme to cater to the needs of the medium and large industries. It was also increasingly felt that the juxtaposition of a large number of small industries with a few large and medium industries will result in mutual assistance and in greater productivity. Haphazard growth of industries in a sprawling city like Madras will have tremendous impact on transport problems and other civic amenities. The need for a planned industrial area in the suburbs of Madras which will cater to the small, large and medium industries and which will be a self-contained township in itself providing facilities for residence, recreation, commerce etc. has been felt for quite some time.

Location: The Ambattur Industrial Estate is designed to satisfy this need. An extent of about two square miles of land are being acquired in Ambattur, Patravakkam, Korattur, Mannur, Mogappair and Athipattu villages of Chingleput District at an estimated cost of Rs. 55 to 60 lakhs. The site is situated on both sides of the Madras—Avadi road and is at a distance of about 8 miles from Madras Fort and is about 3 miles

from the Kilpauk water works. It has the following compass bearings:

Latitude ... 13° 6'
Longitude ... 80° 10'

The site is situated in one of the most important industrial belts in the city which contains such large-scale industries as the Integral Coach Factory, T. V. S. Group of Factories, Dunlop Tyre Factory,

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Ultramarine Blue, T. I. Cycle Group of Factories, Omega Wires and Cables, Central Heavy Vehicles Factory (Tanks) etc, and has thus an excellent industrial tradition. The Madras—Arkonam broad-guage Railway-line is its northern boundary, while the Madras-Avadi road bisects it into two equal halves. The distance of the site from the Air-port at Meenambakkam and the Harbour are 17 and 11 miles respectively and the distance of the site from the various points of Rail-heads are given below :

From	Miles
Madras Central (broad-guage)	8
Madras Egmore (meter-guage)	6
Korattur (broad-guage)	2
Ambattur (do.)	2

with the completion of the proposed 120 feet outer ring road, which will pass through the Industrial Estate, Ambattur, the site will be connected with all the important industrial belts like the ones near Guindy, Ennore and Vandalur. The outer ring road will be connecting the site to all the 3

National Highways connecting Madras to Bangalore, Calcutta and Kanyakumari.

Stages: The scheme of establishing this Industrial Estate is being implemented in two stages. In the first stage, about 630 acres of land on the southern side of the Madras—Avadi road is being acquired and developed. Out of this, about 200 acres of land is being utilised for setting up a Conventional Industrial Estate, intended for the small-scale industries, following the pattern of the Industrial Estate, Guindy. The remaining land on the southern side is being developed and the developed Plots are being allotted to large, medium and small-scale industries.

In the second stage, about 600 acres on the northern side of the Madras—Avadi road will be taken up for development.

Contour and Geology: The lands taken up are at an average height of +40 M.S.L. and the variation in level in the entire extent is only of the order of 8 feet. Apart from removing the field bunds, the site does not require any extensive levelling. The surface soil in this area is dark clay aluvium, while the underlying rocks consist of compact and

stiff clays of gondwana age. The thickness of the sand deposits between the surface and the gondwana clays is generally of the order of 23 feet. The maximum depth of sand in this area is about 35 feet while the minimum is 11 feet. The bearing capacity of the soil in many places exceeds one ton per square foot. The site is not in any seismic belt and is not subject to flooding at any time.

Lay-out: The tentative lay-out prepared for the first phase of this town-ship provides for a conventional Industrial Estate for small-scale industrialists and a number of developed plots varying in size from 1 to 10 acres for being allotted to large, medium and small industries. Space for about a dozen chemical industries and a dozen fruit based and canning industries, labour tenements and such amenities as administrative block, police station, fire station, telephone exchange, first aid post, godowns, garages, banks, post office, canteen, shopping area etc.

and also for a structural engineering workshop and a number of servicing units like tool room, common lease shop etc., is provided.

Factory Units for Small-Scale Industries: Four types of factory units are being built for being allotted to small-scale industries belonging generally to the light engineering type. 70 units are being built of which 10 will be of the type A, while there will be 20 buildings each in types B, C and D. Each building will have, besides space for factory and office, a garage, rest shed for male and female workers, a washing place and the necessary number of W. Cs. for men and women and cycle-stands. Each unit will also have adequate open space. The units are also so designed that a B type unit can be expanded into a A type unit by simply adding 2 more bays of 24×80 and that a D type unit can be converted into a C type unit by a similar procedure. The approximate data relating to the floor area of each unit is given below :

Type	Built area			unbuilt open space	Total area for each unit	No. of cycle-stands	No. of W. Cs.	
	Office	Factory	Amenity building					
A	2,728	11,773	1,540	16,041	13,387	29,428	22	8
B	2,728	9,826	1,540	14,094	14,815	28,909	19	7
C	2,228	7,879	1,369	11,476	13,665	25,141	16	7
D	2,228	5,932	1,322	9,482	12,536	22,018	13	6

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Each unit will be provided with adequate water supply and will also be served by a good and well-designed under-ground sewerage system. Power supply will be given by the Department upto 75 H.P. per service connection. For connected loads higher than 75 H.P., the occupants will have to get the power supply direct from the Electricity Board, installing their own transformers etc. The factory buildings will have a clearance height of 14 feet and will have north light facility. Six of these units have been completed and allotted already. The remaining units will be completed in the course of the year 1963-64.

Rent: Considering the nature of industries coming up in this area and also the location of the Estate and other criteria, the Government have fixed the subsidised rent at 9 nP. per square foot of covered usable floor area. Based on this rate, the approximate rent for each building in the Industrial Estate, Ambattur will be as given below:

Type	Total covered usable floor area in square feet	Monthly subsidised rent in rupees
A	15,226	1,370.34
B	13,324	1,199.16
C	10,772	969.48
D	8,467	762.03

This rent is only a subsidised rent and is liable to be raised gradually to the economic rates of rent in the course of a few years.

Chemical Units: Space is being provided in this Estate for the location of about 12 to 15 chemical units. Attempts are being made to work out common design suitable

for chemical units. There is also a proposal that in respect of chemical units, the necessary amount of land can be provided by the Estate, leaving it to the allottee to construct his own buildings, suitable to his requirements either with his own funds or getting the aid from the State, under the State Aid to Industries Act.

Fruit-based Industries: There is also a proposal to construct about a dozen units for accommodating Industries engaged in fruit preservation and canning operations. Common services like the supply of steam, cold storage, tin can making unit etc. are also likely to be provided for this portion of the Estate. The designs for the fruit preservation industrial units are being prepared now and the construction will be taken up after getting orders of the Government in this regard.

Labour tenements: Space is being provided in the lay-out for the construction of a large number of labour tenements. The construction has not been taken up this year, owing to the National Emergency. It is expected that in the course of a few years, about a 1,000 labour tenements will be provided in this area for being allotted to the labourers employed by the small-scale industries occupying the units in the Industrial Estate.

Transport Facilities: The Estate is within two miles from the Korattur and Ambattur railway stations on the Madras-Arkonam broad-gauge railway-line and there is also a proposal to bring in a broad-gauge railway siding into the Estate. The Estate is connected to the city by well-laid roads and since it is only within 3 miles from Kilpauk water works, the industrialists occupying this Estate are not likely to meet with any special transport problems. The Estate will also have its own bus stand and terminus.

Action is being taken to increase the number of buses connecting the city to the Estate area.

The Madras-Avadi road which forms part of the northern boundary for the area selected for Stage-I will be widened and made into a 100 feet road. Besides this, the Developed Plot area will have 20,290 feet black topped road of 5 types of width viz., 50 feet, 60 feet, 80 feet, 100 feet and 120 feet to cater to the internal and external transport circulation needs of the area. The Small Industrial Estate portion also will have its own complement of 100 feet and 60 feet roads. The north-south 120 feet road passing through the Estate will form part of the greater Madras outer ring road which will connect all the National Highway roads to the site. The East-West 120 feet road will in the course of a few years be extended to the city limits, thus making the site more easily accessible from places like Aminjikarai, the roads within the Estate area are likely to be completed before March, 1964.

Power Supply: The Madras Electricity Board has agreed to provide power supply to the industries located in this area. 11 KV, 33 KV, 110 KV and 230 KV power lines pass through the Estate site and a sub-station situated at korattur is within a distance of one mile. There is also a proposal to set up a separate sub-station to cater to the needs of the Estate. The occupants of the Developed Plots will obtain power directly from the Electricity Board, while the occupants of the units intended for small-scale industries will be given power upto 75 H.P. per service connection through the Department of Industries and Commerce.

Developed Plots: In respect of the Developed Plots intended for small, medium and large industries, the land will

be assigned to the industrialists conditionally after collecting the cost of the land and the cost of development. The allottee will have to put up his own structure for the factory. The cost of the Developed Plot, after taking into account the cost of development has been fixed at Rs 16,000 per acre. This amount is payable in three instalments. The first instalment not less than one-half of the total amount is payable within 15 days from the date of allotment. The second instalment representing not less than 25% of the amount is payable within two years from the date of taking possession of the plot. The remaining amount is payable within a year from the date on which the second instalment falls due. No interest is charged on the outstanding amounts. The right of the parties to mortgage the plot is not in any way abridged. The parties will have to execute an agreement in favour of the Government of Madras. The Developed plots are provided with facilities like roads, street-lighting, drainage and sewerage facilities, storm water drainage etc. Water will be supplied to them at a fixed tariff.

Water Supply: It has been estimated that the requirements of water for the Estate will be of the order of 3 million gallons/daily. Out of this, about 1 million gallons per day will be obtained from the under-ground water source within the Estate and it is proposed to obtain the remaining 2 million gallons per day of water from the Red Hill lake. The Government have acquired the ayacut of the Red Hill lake, thus making about 7 to 9 million gallons of water per day available for industrial purposes. Out of this, two million gallons per day required for the Estate will be obtained. The work relating to this will soon be taken on hand.

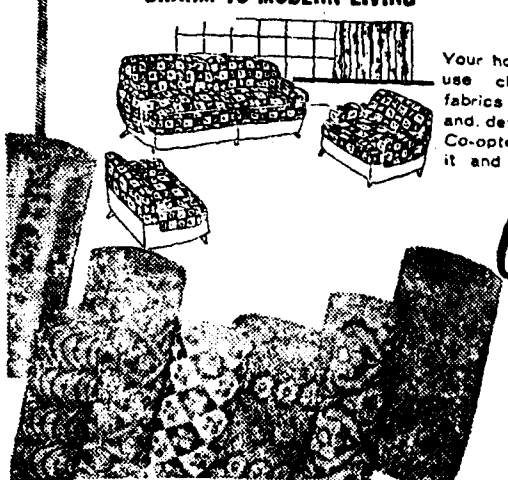
Other Facilities: There will also be an Industrial Training Institute within the premises of the Estate. It will train artisans in various trades. Petrol bunks and bulk depots supplying various lubricants required for the industries are also being provided in this Estate. A well equipped structural workshop is being located in the Estate and it will be able to handle a variety of engineering job work. The State Bank will shortly be opening a branch inside the Estate.

Residential Facilities: Out of the extent acquired for the Industrial Estate at Ambattur, a portion will be handed over to the Madras State Housing Board for the purpose of constructing houses. The Housing Board itself is acquiring about 200 acres of land in Korattur village for housing. The Housing Board will be putting up a

variety of houses which will be suitable for the managerial and the middle income groups. A large number of labour tenements are also to be constructed in this area and the industrialists occupying developed plots and the small-scale industrial units are likely to get preference in the matter of allotment. By this procedure, it is envisaged that all the workers of this industrial area will be able to find residence here itself, thus obviating the need for elaborate transport arrangements.

The form of application for the Developed Plots and the form of application for the small-scale industrial units can be had from the Office of the Administrative Officer, Ambattur Industrial Estate, Office of the Director of Industries & Commerce, Chepauk, Madras-5. Any further information can also be had from the above office.

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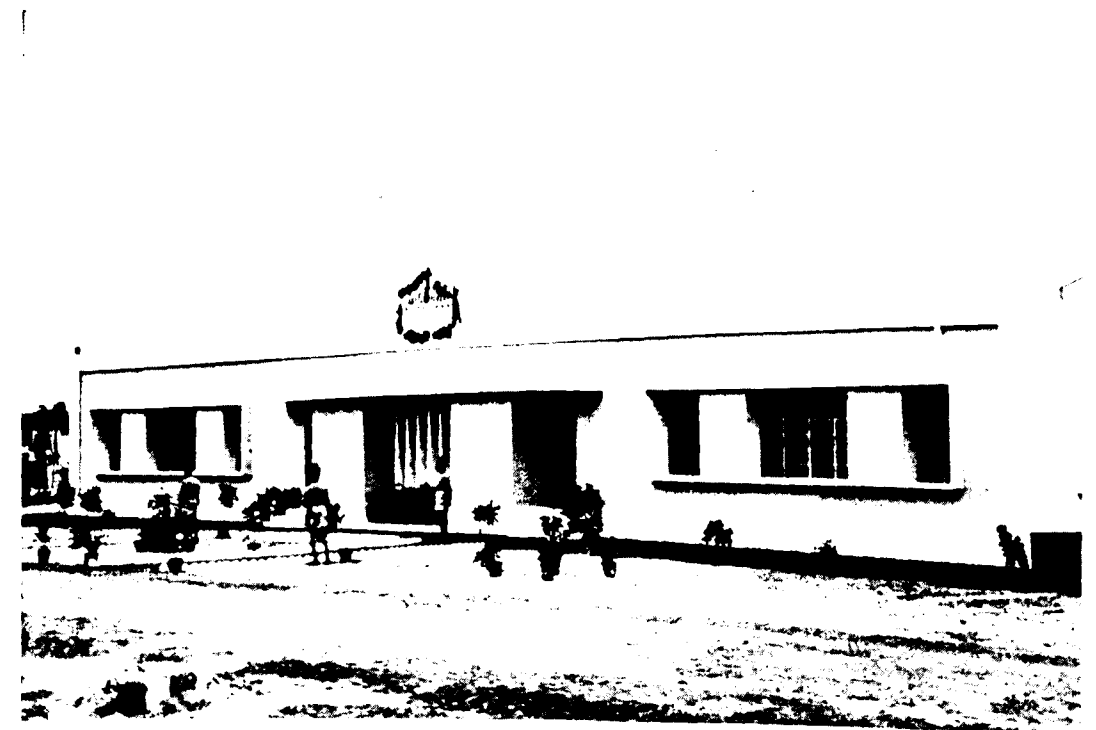
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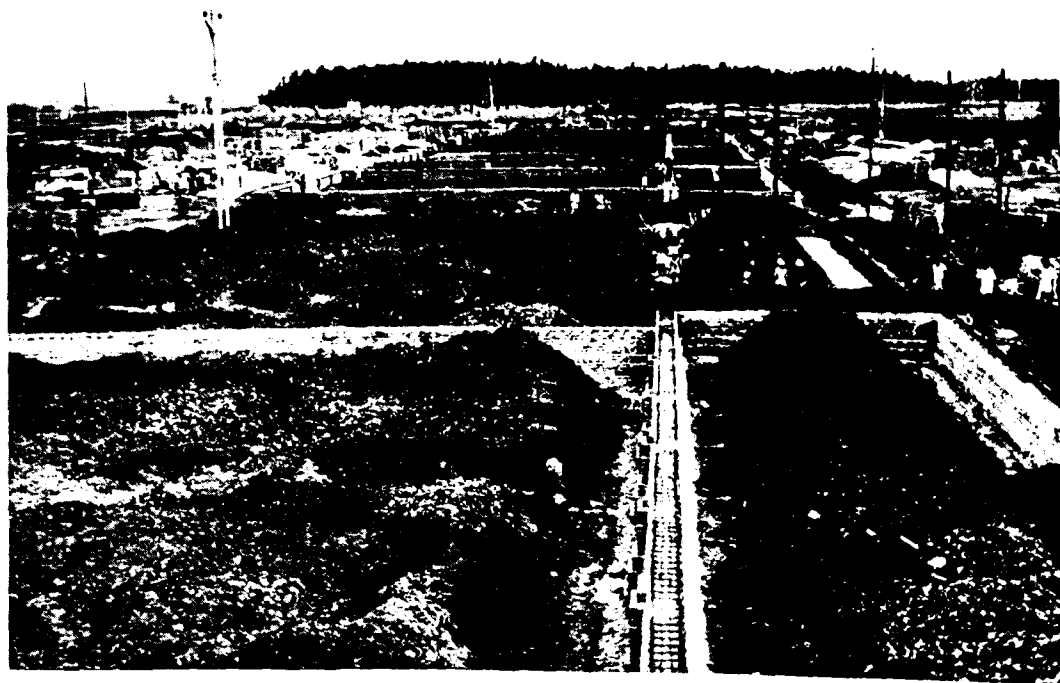
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Sri K. Kamaraj, Chief Minister and Sri R. Venkataraman, Minister for Industries, Madras, watching the production of automobile starter switches at the first unit of the Industrial Estate at Ambattur, near Madras, during their visit on 12th April '63.



A factory building at the Estate.



A bird's eye view of the Estate.



Factory sheds under construction.

Service Facilities to Ceramic Industry

ROLE OF GOVERNMENT CERAMIC CENTRE AT VRIDHACHALAM

The Government of Madras have established a Ceramic Training Centre with a Commercial Section at Vridhachalam. The purpose of establishing the Centre is to impart training to artisans in the manufacture of ceramic products, and to produce several types of ceramic wares. The Centre started functioning in the middle of 1959-'60.

Production : The Centre annually produces about 300 tonnes of finished goods such as sanitarywares, insulation etc.,. The main items of production at present are water closets-Indian and European types-urinals, wash basins, laboratory and kitchen sinks etc, besides L. T. shackles insulations. During Third Five Year Plan Period the Government have sanctioned a scheme for the expansion of the Centre, by which the production would be increased from 300 tonnes to 900 tonnes per annum. To cope up with the increased production, a continuous tunnel kiln at a cost of Rs. 7 lakhs will also be erected. The production of coloured sanitarywares has also been taken up in this Centre now.

Facilities are available in the laboratory attached to the Training Section to test the various ceramic raw materials such as quartz, felspar, ball clay, China clay etc.

The Factory employs at present 300 workers and the strength is likely to be increased to more than 500 when the expansion scheme is fully implemented.

Training of Artisans : The Training Section attached to the Centre imparts training for 10 supervisory students and 15 artisan students.

The first batch of 10 students were trained in 1961-'62 and the second batch is being trained now and the third batch will be admitted shortly. 15 artisan trainees are also undergoing training now.

Service Facilities : In addition to the production and imparting training, the unit is also extending service facilities to the private factories engaged in the manufacture of ceramic articles. Supply of raw materials, processed and semi-processed materials and facilities for taking their articles in the factory furnace etc., are some of the main features of the servicing facilities offered to private units.

The facilities available at the Centre may be availed of by the small industrialists engaged in the production of ceramic wares and those who desirous of setting up new factories utilising the resources of the local raw materials for the production of standard and quality products.

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The Superintendent,
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RAJAPALAYAM.

GYPSUM DEPOSITS IN TIRUCHI DISTRICT

GOVERNMENT POLICY OF LAND LEASE

With a view to making the best use of the available gypsum deposits in Trichy District for the cement industries in the State and gypsum based chemical industries, it is proposed to make an assessment of the availability of this mineral in this district. As this assessment is likely to take some time, the Government have decided not to consider applications from private parties

for the grant of mineral concession for gypsum in Tiruchirapalli District temporarily upto 1st January 1964. Applications for the grant of mineral concessions from licensed industries which require gypsum for their own consumption and which have not secured adequate gypsum lands on lease to provide these requirements will however be considered on merits. ★

QUALITY OF FOUNDRY PRODUCTS

HINTS FROM S. I. S. I.

Methods of improving the quality of foundry products have been suggested to a foundry unit at Karukkampalayam in the Coimbatore District, by the Government of India Extension Centre for foundry at Coimbatore, during the month of April. ★

The Centre has advised that the rusting of iron boxes manufactured by the unit can be reduced by adopting improved melting methods, in suitable sands, changing the compositions of metal by adding the required adhesives to increase the fluidity of the metal, and by modernising the method of melting.

AGMARK GRADING OF WALNUTS

COMPULSORY PRE-SHIPMENT INSPECTION

The Government of India have decided that walnuts exported from India will have to be compulsorily graded under Agmark from August, 1963.

that quality control and pre-shipment inspection of walnuts are essential for stabilizing and promoting the export trade.

It has been felt in recent years by the trade as well as the Government

Walnuts worth about rupees one crore thirty lakh are exported every year from India

to the United Kingdom, Canada, U. S. A., Australia, etc. Both shelled and unshelled nuts are exported.

The main walnut growing areas are Jammu and Kashmir, the Kulu Valley, Himachal Pradesh and the Hill districts of Uttar Pradesh. But, at present, exportable

qualities of the nuts are available only from Jammu and Kashmir. Jammu and Delhi are the main packing centres, and Bombay is the main port of shipment.

The grading office will have its headquarters at Jammu. The necessary staff is already in position. ★

JOB ANALYSIS TO KNOW TECHNICAL NEEDS

STEPS FOR TRAINING MORE PERSONNEL

Diploma-holders can replace science graduates in several positions without affecting efficiency or output, according to a job analysis conducted at the instance of Home Ministry's Manpower Directorate.

The analysis was ordered when several Ministries put in their future demands for technical personnel. It was felt that probably some jobs did not require science graduates and could be effectively handled by persons with lesser qualifications.

Consequently, the requirements of different Ministries are being scrutinised so as to reduce the heavy demands for science graduates.

TECHNICAL MANPOWER COMMITTEE

Meanwhile, the Technical Manpower Committee under the Chairmanship of Prof. Thacker has reviewed the existing plans and programmes for training of technical personnel. Several steps for the augmentation of existing programmes and for

accelerated training courses have been initiated.

For craftsmen and related categories, an accelerated course of six months' duration has been introduced. The first course has started from the beginning of February in all States.

Similarly, from the beginning of February, the training of wireless operators has been started through a three-month course. A six-month course for training of radio mechanics was also started throughout the Country.

The States have also organised a two-month training course for vehicle drivers.

As regards degree and diploma courses in engineering, the training of students now studying in the third and fourth years, of the five-year degree course has been accelerated by reducing the holidays and vacations and working extra time. A two-year diploma course is being introduced in selected polytechnics. ★

ARMS FACTORY FOR MADRAS STATE

A major industry for the production of weapons to equip the Armed Forces of India will soon be established in Madras State. The State Government are taking necessary steps to make available 2,000 acres

of land near Tiruchirapalli where the factory will be erected. The cost of the project, which will be executed by the Defence Ministry, is estimated at Rs. 8 Crores. ★

NEW INSULATED CABLE FACTORY AT AMBATTUR

The foundation stone for the Rs. 3 Crores on 15-5-'63. The factory, started with Omega Insulated Cable Company at Canadian technical collaboration for the manufacture of insulated cables, is expected to go into production early next year. ★

MECHANISED BRICK PLANT TO BE SET UP NEAR POONAMALLEE

The Government of Madras have decided 66,000 bricks a day is expected to go into to set up a mechanised brick plant at production some time next year. Thirumazhisai, near Poonamallee at A suitable site for locating the plant is being acquired and machinery is proposed which will have a production capacity of to be obtained from Yugoslavia. ★

FIRE CLAY REFRACTORIES FACTORY PROPOSED AT VRIDHACHALAM

The State Government sanctioned a annum, the factory when it goes scheme for the manufacture of fire into production will supply refrac- clay refractories at Vridhachalam at tories required for the proposed Salem a cost of Rs. 22 lakhs. With a Steel Plant. Machinery will be acquire from production capacity of 12,500 tons per West Germany. ★

SALT GLAZED PIPE FACTORY: PLANT SET UP AT VRIDHACHALAM

A salt glazed pipe factory is also arrived from Germany and is being erected. being established at Vridhachalam at The factory, with a capacity of 6,000 tons an estimated cost of Rs. 10 lakhs. The per year, is expected to go into production machinery for the factory had already during the current year.

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A UNIT OF THE DEPARTMENT OF INDUSTRIES, GOVT. OF MADRAS.

JUNIOR TECHNICAL SCHOOLS

A GOOD OPPORTUNITY FOR STUDENTS OF VIII STANDARD

The Government of Madras has so far started Junior Technical Schools in the Public Sector in Madras, Coimbatore, Vellore, Nagercoil and Tiruchirapalli. The managements of private polytechnics at Pollachi, Trichy and Talayuthu have also established similar schools. These technical schools are functioning as allied institutions to the respective polytechnics. The minimum qualifications for admission to these schools are "a pass in the integrated VIIIth standard under the re-organised secondary education, which was in vogue till 1962-'63 i.e. all candidates who are eligible for admission to the IXth standard of the new 11 year integrated secondary course, which is being introduced from 1963-'64, will be considered for admission to the first year class in these schools".

The Technical Schools are different from the Industrial Training Institutes. The of-study in the Junior Technical School covers a period of 3 years. During this period, the students will be given training in English, Tamil, Mathematics, Physics and Chemistry, History and Geography, Gen. Engineering, Drawing, Workshops etc., The boys will also be given practical training in the different branches of workshops, such as carpentry, smithy, foundry, fitting, welding, sheet-metal work, machine-shop etc., for about 12 hours per week in the second year. In the final year, the student will be given option to specialise in a particular trade of his choice, and the duration

of practical training in that year will be 20 hours per week.

The standard of training given in English and Tamil and in the other subjects (Mathematics Physics, Chemistry etc.,) is equal to the High School standard while in the case of workshop training the standard is more or less equal to that of Industrial Training Institutes, so much so, the students who complete the Junior Technical School course will be comparatively better equipped than those who complete the usual High School course and who seek admission to Polytechnics.

The special feature of the scheme is that students of Junior Technical School will get a good grounding in all the different sections of workshops and they will also specialise in any trade of their choice. Consequently, the students who undergo the Junior Technical School Course will be particularly suited to take up in due course the responsible posts of chagemen and supervisors in industries. Further, after they complete their course of study in the Junior Technical Schools, they can if they so desire, join the Polytechnics, and qualify themselves for a Diploma. Boys passing out of the Junior Technical Schools will be given preference in future for admission to the first year of the three year Diploma Course in Polytechnics in the State. Therefore, all boys who intend joining industries either as apprentices or in other capacities will do well to avail themselves of the

APRIL-JUNE 1963

special facilities for technical training and who successfully undergo, the course of training in the Junior Technical Schools will be sufficiently equipped to enable them to be employed in industries straightaway in suitable capacities, provided in these Junior Technical Schools.

In view of their intensive practical training in the institution they can further improve their skill in the trade in which they have specialised. When they are thus employed in any industry they can also attend part-time courses conducted in the polytechnics and qualify themselves for a diploma which will enable them to rise up

to higher positions in the Industrial Organisations in which they are employed.

No tuition fees are charged in the case of students joining the Junior Technical School. 50% of the students admitted, are also given stipends. It is therefore hoped that the parents who would like to have their children take up skilled jobs in industries in our country will take advantage of this opportunity and, have their children admitted in the Junior Technical Schools soon after they complete their higher elementary school course so that they will be assured of a well-planned and useful career in the industrial field. ★

NEW INDUSTRIAL TRAINING INSTITUTES

Government have sanctioned the opening of two new Industrial Training Institutes, one each in North Arcot and South Arcot Districts at Tiruvannamalai and Ulundurpet respectively. These will be started from the next session in the Industrial Training Institute Viz., 1st August '63. The following are the salient features of the two Industrial Training Institutes.

In the Industrial Training Institute at Tiruvannamalai, training for electrician, fitter, machinist, motor mechanic, turner and welder will be taught. In the Industrial Training Institute at Ulundurpet, training for fitter, wireman, motor mechanic,

sheet metal works, turner and welder will be taught. Training is free and no tuition fees are charged.

Except for electrician trade for which an applicant must have passed S.S.L.C., for all the other trades applicants should have studied IVth Form. Age should be between 16 and 25.

Stipends to 1/3 of the trainees in each Industrial Training Institute at the rate of Rs. 25 per month will be awarded to deserving trainees.

The number of seats available for training as on 30-6-62 in these institutes is 4,098. ★

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LOAN ASSISTANCE TO GOLDSMITHS TO SET UP

PETTY TRADES AND ALTERNATIVE AVOCATIONS

The Madras Government have formulated a scheme to be administered by the Director of Industries and Commerce for relieving the distress of the goldsmiths and their families who have been affected by the Gold Control Order and the Rules thereunder. This scheme is to grant loans to affected goldsmiths to enable them to set up petty trades and settle them down in alternative avocation in life. Under the scheme a single member of the affected goldsmith family can get as loan a sum not exceeding Rs. 1,000 (Rupees one thousand only) to set up any petty trade detailed below :—

1. Bakery and biscuit manufacture.
2. Dairy products trade.
3. Setting up egg stall.
4. Setting up fruit stall.
5. Setting up grocery shop.
6. Manufacture of aluminium vessels.
7. Setting up betel-nut and aerated water stall.
8. Manufacture of betel-nut and chewing tobacco.
9. Setting up tea shop.
10. Setting up oilman stores.
11. Setting up button manufacture (horn, plastic, nylon).

12. Setting up bangles shop.
13. Setting up cycle repair and hiring shop.
14. Cane articles manufacture and sale.
15. Electrical goods trade.
16. Fountain pens-repairing and selling.
17. Glass and ceramic wares trade.
18. Hardwares trade.
19. Plastic fancy goods trade.
20. Setting up ready made garments and tailoring shops.
21. Setting up stationery shops.
22. Scented materials manufacture and trade.
23. Setting up snuff shops.
24. Setting up kerosene shops.
25. Setting up vegetable shops.

Authority competent to sanction the loan: The Assistant Directors of Industries and Commerce of the Districts concerned will be competent authorities to sanction and recover the loans authorised in the scheme.

Conditions to be satisfied for the sanction of loan: Applicants for loan under the scheme should have been residents of this State for a period of atleast two years as on 1st January '63. Only one member in the

family of a displaced goldsmith's family is eligible for the loan. Families of goldsmiths which have availed themselves of the loan assistance upto Rs. 2,000 to goldsmiths under the State Aid to Industries Act in relaxation of the existing standards will not be eligible for loans under this scheme. The loan will be disbursed in two equal instalments spread over a period of six months and will bear interest at the rate of 3% per annum. The first instalment will be disbursed immediately after the loan is sanctioned and the second instalment will be disbursed by the competent authority on his satisfying himself that the first instalment has been utilised for the purpose for which the loan was sanctioned. The entire loan is recoverable in twelve quarterly instalments commencing six months after the date of disbursement of the second instalment of the loan. The Assistant

Directors of Industries and Commerce in the districts will sanction the loan on the personal security to be furnished by the applicant to the satisfaction of the Assistant Directors and after obtaining a bond from the applicant in the prescribed form. This bond is free from stamp duty and registration. The Assistant Directors of Industries and Commerce have full powers to sanction the loan under the scheme within the financial limit prescribed in the scheme. The decision of the Assistant Directors are subject to revision by the Director of Industries and Commerce.

Further details about the scheme can be had from the Assistant Directors of Industries and Commerce concerned in the Districts.

This scheme is outside the purview of the State Aid to Industries Act. ★

VICE - PRESIDENT VISITS GUINDY ESTATE

Dr. Zakir Hussain, Vice-President of India, visited the Industrial Estate at Guindy on 20th May 1963. The Vice-President, who was accompanied by Sri M. Bhaktavatsalam, Minister for Finance, Madras on arrival at the Industrial Estate was received by Sri T. R. Krishnaswamy, Director of Industries (in-charge), and was taken round the Exhibition Hall, where products manufactured in the Estate are kept in view

and some of the Units of the Estate including Hindustan Teleprinters Factory.

The Vice-President was presented with a glass model of a ship made at the Government Glass Training Centre of the Industrial Estate.

At the conclusion of his visit the Vice-President recorded his impressions in the Visitors' book—"I wish there were many more Centres like this in the Country. I am very happy to see the progress made"

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*SPECIAL FITTINGS AND MACHINERY FOR
THE PAPER AND STAPLE-FIBRE INDUSTRIES*

The big number of newly-built plants in the paper and staple-fibre industries have led to a brisk demand for special fittings and machinery.

A fitting manufacturer in Styria has been turning out such special equipment for 12 years, mainly fabric sliders, three-way sliders and four-way refinder-sliders, all pieces of equipment with a long record of successful experiences. For the requirements of automation the fittings are delivered for electric distant control.

When establishing new paper and cardboard making plants, the treatment of the materials needed must also be carefully planned. Among others, machines are

needed for treating kaolin, alum, glues and dyes, the designing and building of which is also part of the enterprises's production programme.

The increased demand for coated paper and cardboard makes it necessary to have the coating spread on to the paper directly by the machine. Taking into account the requirements of the paper industry, the firm has been designing and manufacturing complete plants for the spreading of the cost of colour or colour paste, according to customer's requirements and wishes.

The equipment turned out by the enterprise has met with the approval of the national industry and is being increasingly exported. ★

NEW OIL AND GAS BURNERS FOR THE CEMENT INDUSTRY

An Austrian enterprise specialising in all types of thermo-technical equipment, has become well-known all over the world with its entirely new oil and gas burners for the cement industry, combined with the highest operational safety of the entire fire equipment, including the oil and gas supply.

According to most recent results of research oil-fire plants for tubular rotary cement kilns have to meet three main demands in order to be economical:—

1. They have to have a burner working according to the two-stream principle, with

the possibility to regulate with the highest precision the shape of the flames;

2. The lay-out of the kiln has to be kept very simple by means of a direct feeding of the burner from the oil tank through a ring conduit, over filters, pumps and continuous heaters;

3. An oil heat carrier has to replace the steam or hot water boiler;

The oil burners developed by this Austrian enterprise meet the highest demands of modern technology. Heat consumption figures are particularly low. Values of 760

to 820 kcal/kg clinker are no exception and are reached mainly by the low percentage of primary air, about 5% of the entire combustion air. One of the outstanding performances of the plant is the burning of dolomite where, under normal circumstances, temperatures upto 1900° are reached.

The new burner designs have proved moreover that oil firing presents no disadvantages, compared with coal-dust firing. Quite on the contrary, oil firing boosts considerably the nominal output of the kiln.

The Austrian enterprise has moreover developed oil/natural gas burners, natural gas burners with oil carburization and burners for natural gas only. In this field again the requirements of the cement industry made it necessary to develop a natural gas burner specially designed for tubular rotary cement kilns. The new burners together with the experiences gained in

the field of pressure regulating equipment in the course of the last few years, are the pre-requisites for the construction of most up-to-date natural gas plants with a very high profitability. Natural gas firing meets especially the general trend in the cement industry, i.e. to achieve highest profitability with lowest fuel and energy consumption and the lowest possible number of labour. Among the foreign buyers of oil and gas burners we find mainly the Federal Republic of Germany, Switzerland, Great Britain, France, Spain, the countries of the Near East (mainly Turkey), some overseas countries and some Eastern countries mainly Yugoslavia.

Manufacturers:—

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QUICK DRYING METAL PRIMER

A high-quality metallic primer with special quick drying properties has been produced by a British firm of paint and chemical manufacturers. The makers say that the primer dries in one hour and can be recoated in two hours with all normal types of white spirit-solvent-based paints.

The primer, which is claimed to have exceptional qualities of rust inhibition and

resistance to weather and salt water, is formulated on a chlorinated rubber base to a consistency that prevents the heavy metallic lead pigment from settling in the container, thus permitting the product to be easily stirred, even after long storage. Despite the semblance of thick consistency the primer brushes out easily to a film of conventional thickness.

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To help the age-old Brassware Industry at Kumbakonam, the Government of Madras has started a Brassware Servicing Centre to give technical assistance to artisans with modern machinery.



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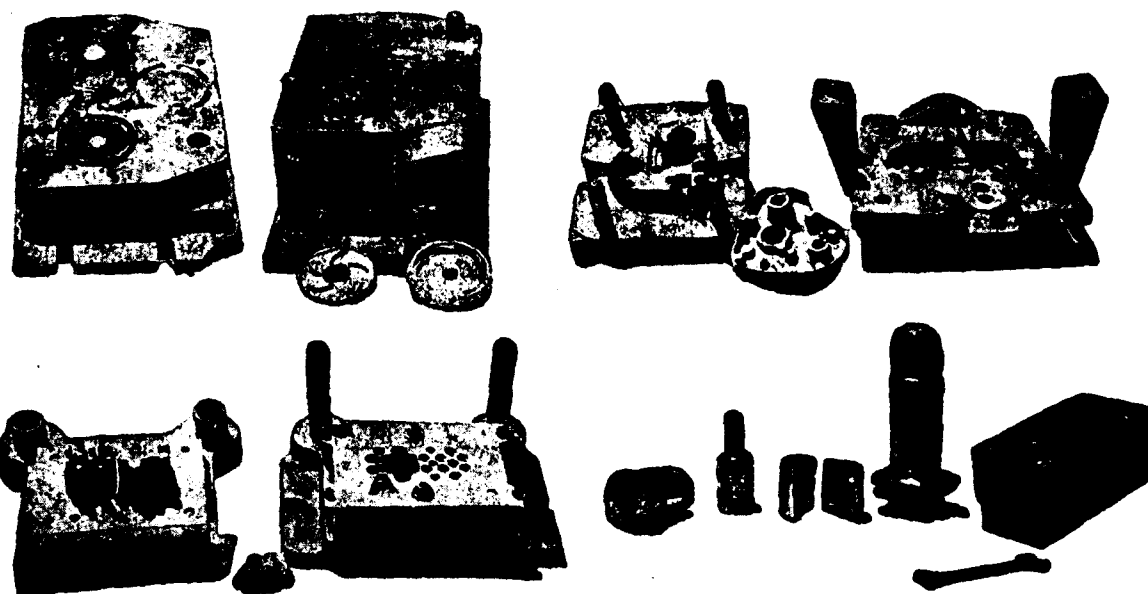
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The General Superintendent,

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SCIENCE NEWSLETTER

MACHINE TOOL RESEARCH PRODUCES

NEW CUTTER DESIGNS

New types of tools for lathe turning and face milling that not only last longer but cut metal at higher speeds than existing types, it is claimed, have been designed in the Production and Industrial Administration Department of Britain's College of Aeronautics (Cranfield, Bedfordshire). They have been used for machining steels of 120 ton tensile strength that are difficult to cut with ordinary tools.

The basic element of the new tools is a disc of metal, carbide or ceramic which is about the size of a penny but about twice as thick. The surface of the disc is hollowed out by grinding to form a sharp edge. For turning, this disc is attached by a bolt to a thick bar of metal so that the edge of the disc projects beyond the end of the bar

and can be brought up to the metal to be turned. This device allows the metal to be removed from the bar smoothly and quickly with freedom from chatter or vibration.

For face milling, six of these discs are attached in a star formation to projections on the end of a circular tool so that each disc is vertical but out of alignment with the radius of the tool end. With this tool, cutting speeds twice as great as those attainable with ordinary tools can be achieved and again the freedom from vibration gives long tool life even with hard materials.

In both cases, when the tool becomes blunt, a new cutting edge can quickly be obtained by slackening the bolt and turning the wheel to a new position. ★

HIGH GRADE SODIUM CHLORIDE

Very surprisingly the production of high grade sodium chloride required for pharmaceutical and dairy industries should be not merely chemically pure but also bacteriologically pure. Conditions for the production of such high grade quality salt

were standardized, and during the last two years about 50 tons of dairy salt were manufactured in the Central Salt and Marine Research Institute and were supplied to various dairies. The process has not been handed over to the Hindustan Salt Co. Ltd.,

at Sambhar, where the necessary plant has been installed for the manufacture of dairy salt and free flowing table salt.

Processes for production of A. R. and B. P. quality sodium chloride have also been standardized. ★

POTASSIUM CHLORIDE FROM MARINE BITTERN

The Central Salt and Marine Chemicals Research Institute, Bhavanagar has evolved three processes for the recovery of potassium chloride from marine bittern. All the three processes have been tried on pilot scale.

The Institute is setting up a plant for the recovery of potassium chloride and magnesium sulphate from marine bitters, at the site of Kandla Salt Works. This unit

is expected to start working in the course of the next few months.

The State Trading Corporation is understood to have agreed to finance the setting up of a unit at Tuticorin for the production of potassium chloride, magnesium sulphate and sodium sulphate.

The third process is for the production of light basic magnesium carbonate, sodium sulphate and potassium chloride.

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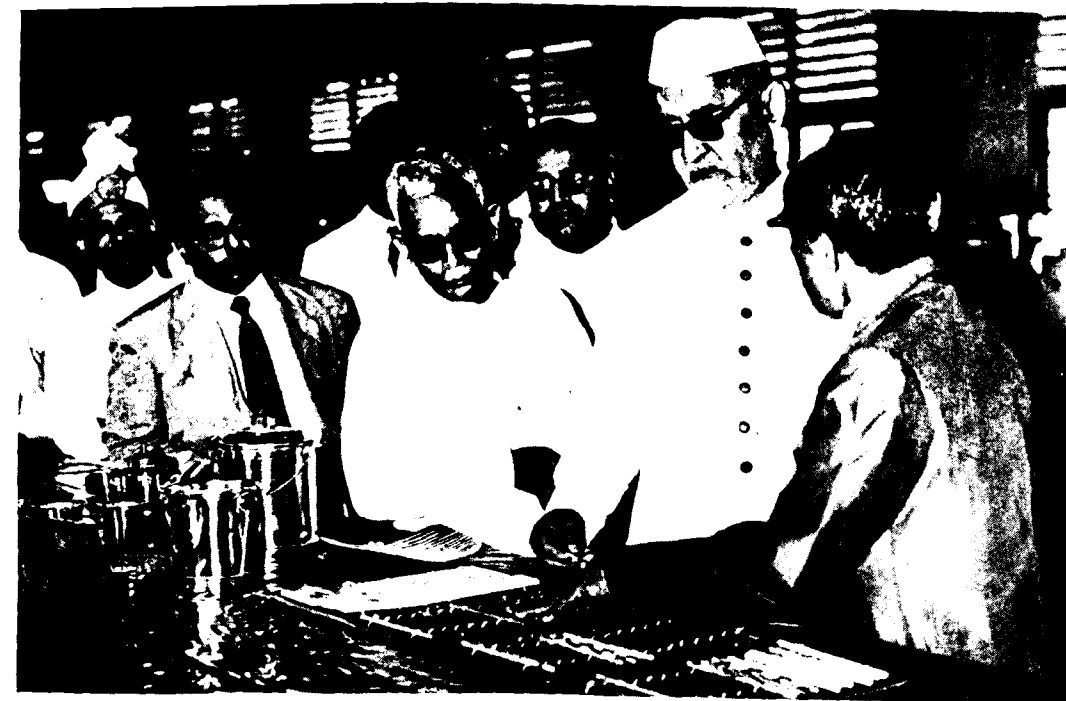
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Dr. Zakir Hussain, Vice President of India, at the Estate Exhibition Hall



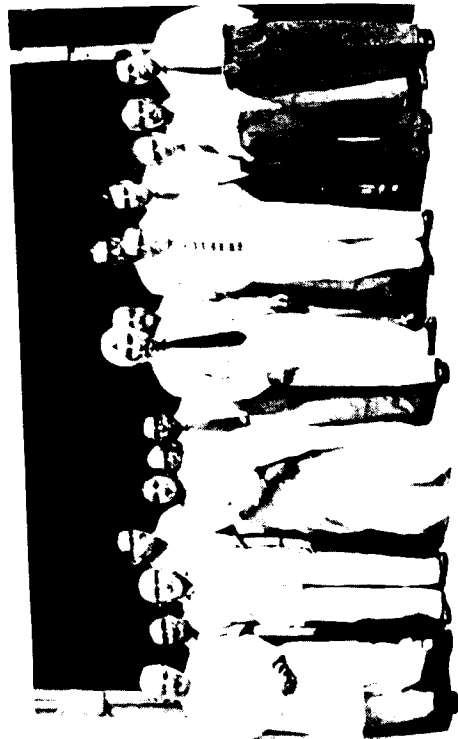
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Mr. B. C. I. Ohanye, High Commissioner for the Federation of Nigeria in India.



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Sri H. D. Singh, General Manager, Southern Railway and Chairman, Railway Equipment Advisory Committee (centre), with Members of the Committee.



Dr. Lal C. Gorman, Director, Indian Standards Institution, New Delhi.

SCHEMES

Manufacture of Epsom Salt

SCHEME FOR 500 KG PER DAY

INTRODUCTION

Epsom Salt is mostly used in tannery and B. P. quality can be used in pharmaceuticals.

Process: Magnesite is dissolved in hot dilute sulphuric acid (40%), filtered to remove calcium sulphate. Traces of iron are removed by boiling the filtrate with little precipitated magnesium carbonate and again filtered. The filtrate on evaporation and cooling yields crystals of $MgSO_4 \cdot 7H_2O$. All the reactions have to be carried in lead lined vessels. Contamination with iron should be avoided.

Raw materials: The chief raw materials used in the process are magnesite, sulphuric acid and a little precipitated magnesium carbonate.

Magnesite is available in fairly large quantities in Salem district. It contains about 96-99% magnesium carbonate.

Sulphuric acid (sp. 1.84) can be had from any chemical firm.

Materials required per day for the production of 500 KG Epsom Salt per day.

Magnesium carbonate (98-99%) 153 Kgs.

Sulphuric acid (40%) 446 "

Precipitated magnesium carbonate 5 "

Some points for consideration:

1. The magnesite should be broken into small pieces of 1"-1.2" size by manual labour.

2. The acid should be added to the magnesite pieces but not the pieces to the acid (in the reaction vessel).

3. The purest available variety of magnesite should be used such that the magnesium carbonate content should be of the order of 97-99%.

1. Building (to be rented)		Rs.
1,200 sq. ft. covered shed rented at the rate of Rs. 200 per month	—	2,400
2. Machinery and equipment:		
Lead lined vessel of 20 cu. ft. capacity	1	900
with a lead coil for steam heating	1	600
Lead lined vessel of 15 cu. ft. capacity	1	3,000
Filter press with wooden plates with hand pump	1	1,000
Open jacketed pan type evaporator	1	

					Rs.
Swenson walker crystallizer	...	...	...	1	2,000
Baby boiler with fittings	...	...	...	1	3,000
Bucket centrifuge 2' dia.	...	...	...	1	1,000
Miscellaneous & office equipment	...	...	...	—	1,000
Laboratory equipment	...	...	...	—	1,200
					<u>13,700</u>

3. Staff (expenditure per year) :					
		Nos.	at Rs.		
Manager-cum-Chemist	...	1	250 per month		3,000
Skilled workers	...	3	3 per day each		3,240
Unskilled workers	...	3	2 per day each		2,160
Clerk-cum-Cashier	...	1	100 per month		1,200
Peon	...	1	50 per month		600
					<u>10,200</u>

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DIAPHRAGMS, PRINTERS' ROLLERS, TEXTILE
ROLLERS, RLY. FITTINGS AND P.V.C. MOULDINGS.

4. Raw materials per year					Rs.
Magnesite 45 tons at a rate of	Rs.	100 per ton	...		4,500
Sulphuric acid 40%—132 tons at	Rs.	115 „	...		15,180
Precipitated magnesium carbonate 1½ tons at	Rs.	1,000 „	...		1,250
					<u>20,930</u>

5. Miscellaneous expenditure (per year) :					
Fuel, electricity and water	...	...	...	...	3,000
Packing and advertisement	...	...	...	...	1,200
Repairs and renewals	...	...	...	...	800
					<u>5,000</u>

6. Working capital (3 months' recurring expenditure) :					
Raw materials	as per head	4	...	...	5,233
Staff	„	3	...	...	2,550
Miscellaneous	„	5	...	...	1,250
Rent on building	„	1	...	...	600
					<u>9,633</u>

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PALLAVARAM, (Near Madras).

7. Total investments:

	Rs.
Machinery and equipment	13,700
Working capital for 3 months	9,633
	23,333
	Say Rs. 24,000

8. Expenditure per year:

Rent on building	...	...	...	2,400
Raw materials	as per head	4	...	20,930
Staff	...	3	...	10,200
Interest on total investment	@ 6%	...	...	1,440
Depreciation on machinery	@ 10%	...	...	1,370
Miscellaneous expenditure	as per head	5	...	5,000
				41,340

9. Yearly receipts:

By sale of 1,50,000 KGS. of MgSO ₄ at a rate of Rs. 15 per 50 Kgs.	45,000
---	--------

10. Profit:

Total receipts	as per head	9	...	45,000
Total expenditure	..	8	...	41,340
			Profit per year:	3,660

★

Manufacture of Sodium Sulphide

CAPACITY OF PLANT ONE TON PER DAY

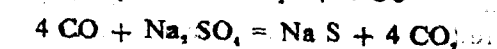
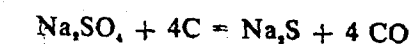
★

Sodium sulphide has a wide use prominent among which are the textiles, paper, rayon, leather and other chemical industries. It is widely used as a depilatory in the leather industry. It is sold as solid broken lumps, flakes or in crystal form.

2. The annual demand for this chemical is of the order of 4,000 tons. About 1,000 tons are used by the leather industry, the rest by textile, paper and other chemical industries. There had been shortage of this material during the past few years and sometimes it was sold as high a price as Rs. 1,200 per ton. Considerable quantity is also being imported into the Country.

3. Since there is good prospects and the process of manufacture is simple, it can be made on small industry basis. As estimate for a small unit with a capacity of one ton per day is worked out in this scheme. The main raw materials required are coal and sodium sulphate. Coal is available in plenty. Sodium sulphate can be obtained from the natural deposits of Rajasthan. However, the best sodium sulphate for our purpose is that attained as salt cake by the action of sulphuric acid on salt. Salt cake is also a by-product of rayon, bichromate, hydrochloric and nitric acid plants. Bituminous coal of less than 5% ash content is used. Higher ash content results in lesser yield.

4. *Process of manufacture:* The principle of manufacture depends upon the reduction of sodium sulphate by coal at elevated temperature, the chemical reaction of which can be written as follows:—



The temperature must be over 860°C for the above reaction.

5. Sodium sulphate and coal in the ratio 2:1 are mixed together and well ground. Thorough mixing is necessary; otherwise a part of the coal for reduction simply burns away without helping the process at all. Very frequently a certain quantity of soda upto 50% of the sulphate is added to the mixture which acts both as a flux and as a neutralising agent for any free acid that may be present in the sulphate.

6. The reduction is carried out in a reverberatory furnace at about 1000°C and usually takes 2 to 2½ hours. The furnace usually has a preheating zone of the same size as the main chamber, where the mixture is kept for about an hour before being raked into the furnace. The roof of the furnace is kept low. Fairly thick bed is maintained as it appears that the presence of carbon monoxide in the flue gases increases the efficiency of the prices. The furnace is

lined with basic refractory brick wherever the wall comes into contact with sodium sulphide. Below this lining a layer of asbestos paper soaked in sodium silicate is laid.

The substance issuing from the furnace is called "Black Ash". Black ash is transferred directly into cooling bogies. After cooling it is crushed, leached in hot water and dilute liquor from previous batch. The leaching is done several times and the combined extract is well settled at a temperature of about 50°C and the clear liquor is run into shallow pans crystallising tank or vessels containing sets of water cooled tubes. The commercial variety obtained thus are usually yellowish brown but white crystals can be obtained by the addition of 0.5% sodium cyanide to the liquor before crystallisation.

For obtaining concentrated sulphide either the crystals are fused and more water evaporated until the required concentration is obtained or the dilute liquor is directly concentrated in evaporating pans. The

concentration pans are usually made of cast iron and the sodium sulphide is concentrated from 25% to 60% between 115°C to 175°C. Care should be taken that local hot spots are not formed to sulphate precipitated during fusion. By thorough cleaning between each batch and ensuring complete reduction before leaching this difficulty can be very much reduced.

Equipment required:

1. Open hearth furnace; (reverberatory type) for the reduction of sale cake to sodium sulphide.
2. Hammer mill-for coal crushing.
3. Ball mill-for grinding mixture of coal and salt cake.
4. Storage bin-for ground mixture.
5. Cooling bogies-for cooling melt.
6. Jaw crusher-breaking.
7. Agitators.
8. Leaching tanks.
9. Storage tanks.
10. Lamps.
11. Blower.

Cost of raw material:

1. Raw material - per day:

				Rs. nP.
Salt cake	@ Rs. 120 ton	2,680 lbs.	...	144.00
Coal	@ Rs. 50 ton	1,340 lbs.	...	30.00
Furnace oil	@ Rs. 120 ton	650 lbs.	...	35.00
Steam	Rs. 5 1,000 lbs.	600 lbs.	...	3.00
Water	As. 8 1,000 gallons	10,000 gallons	...	5.00
Electricity	As. 1 kwh.	104 kwh.	...	6.50
				223.50
For a year of 300 days	...	...	Rs. 67,050	
say	...	...	Rs. 70,000	

2. Land and building: (Units can reduce investment over land and building by hiring out private accommodation or in Industrial Estates),

				Rs.
Land—at Rs. 1,000 per acre	3 acres	...	...	3,000
Building costs	...	...	...	50,000
Furniture and fittings	...	...	...	5,000
Administrative block	...	...	...	3,000
Storage 500 sq. ft.	...	...	...	5,000
				66,000

3. Cost of equipment:

Hammer mill	...	...	...	1	...	1,200
Ball mill	...	...	...	1	...	6,000
Screen	...	...	...	1	...	1,000
Storage bin	...	...	...	1	...	2,000
Furnace including burner, air blower and motor complete				1	...	10,000
Storage tank for oil	...	...	...	1	...	1,000
Chimney	...	...	...	—	...	1,500
Coolling bogies	...	...	...	3	...	900
Jaw crusher	...	...	...	1	...	3,000
Storage tank	...	...	...	1	...	1,000
Agitators	...	...	...	2	...	3,000
Leaching tanks	...	...	...	3	...	3,000
Storage tank for solution		...	...	1	...	1,000
Cast iron evaporators		...	...	4	...	7,000
Pumps and motor	...	...	...	6	...	2,800
Pipe line, meters	...	...	...	—	...	9,000
Boiler	...	...	...	—	...	7,000
Laboratory equipment		...	...	—	...	2,000
						62,400
				Say	...	63,000

4. Labour and supervision:				Rs.
General Manager	1	Rs. 600 per month	...	7,200
Analytical Chemist	1	" 200 "	...	2,400
Laboratory Assistant	1	" 100 "	...	1,200
Operators	4	" 150 "	...	7,200
Clerks	2	" 90 "	...	2,160
Watchman and peon	4	" 50 "	...	2,400
Labour	20	" 60 "	...	14,400
				<u>36,960</u>

5. Working capital:

Raw material cost for 3 months ($223 \cdot 50 \times 90$)	...	...	20,120
Staff and supervision for 3 months	...	...	9,240
Total working capital:	...	...	<u>29,360</u>

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6. Total investment needed:

				Rs.
Land and buildings	...	...	...	66,000
Equipment	...	...	...	63,000
Working capital	...	...	...	29,360
Total	...	...	...	<u>1,58,360</u>
Say	...	...	...	<u>1,60,000</u>

7. Cost of production (300 tons in a year):

Raw material charges	...	...	...	70,000
Labour and supervision	...	...	...	36,960
Depreciation of building at 5% p. a.	...	...	...	3,150
" machines at 30% p. a.	...	...	...	10,200
Interest on capital at 6% p. a.	...	...	...	9,600
Stationery	...	...	...	1,000
Packing and forwarding	...	...	...	6,456
Publicity	...	...	...	2,000

Price for 300 tons. ... 1,39,366

				Rs. nP.
Cost price per cwt.	...	...	...	23.23
Commission for retailers @ 15%	...	...	...	3.48
Profit on 1 cwt.	...	...	...	2.82

Price for consumer on 1 cwt. ... 29.53

* The furnace, the evaporation pot and the leaching tanks will have very short life and all equipment handling sodium sulphide will require very frequent maintenance. To provide for these, a very high depreciation and equipment has been assumed.

The present price of sodium sulphide is about Rs. 60 cwt. This is due to extraordinary and abnormal situation arising out of lack of indigenous production and import restrictions. Usually at normal times it is sold at about Rs. 32 cwt. The price for consumer as assumed above is quite realistic for normal times. Based on fairly good working the unit can make a profit of Rs. 12,800 which is about 8% on the total investment apart from providing for interest on total investment of capital.

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MANUFACTURERS OF CONCRETE RE-INFORCEMENT FABRICS AND SHEETS



Mr. ALBERT HITZ, Managing Director of M/s. CARIT, A G, Zurich, Switzerland, arrived in Madras on 26-5-'63 and was received by Mr. Bannerjee of Francis Klein & Co., Ltd., Calcutta and Mr. CT. Alagappan, Managing Director of M/s. SWISS WELD MESH COMPANY (PVT) LTD., MADRAS.

EXPORT PROMOTION SCHEME FOR PROCESSED FOODS

(Reproduced from the I.T.C. Circular No.
27'63 dated 5th March 1963).

In order to promote the export of processed foods, the following export promotion scheme has been drawn up.

1. Title, scope and commencement :

1. (1) This scheme shall be known as the Export Promotion Scheme for Processed Foods, and shall cover the export of processed foods mentioned in Annexure I.

1. (2) This scheme shall come into force from the 1st January 1963 and shall apply to exports of products covered by the scheme, made on or after the 1st January 1963.

2. Administering authority :

This scheme shall be administered by the Processed Foods Export Promotion Council, Calcutta, hereinafter referred to as the "Council". For this purpose, the Council shall constitute a committee on which the Deputy Chief Controller (Export Promotion), Calcutta or in his absence, the Controller (Export Promotion), Calcutta shall be a nominee.

3. Registration :

3. (1) Benefits under this Export Promotion Scheme shall be admissible against exports of all the products covered by the Scheme, effected by exporters registered in the manner hereinafter mentioned.

3. (2) Exporters desiring to be registered under the Scheme should apply to the Council for registration under the Scheme in the form in Annexure III.

3. (3) Only exporters of processed foods fulfilling the following qualifications will be considered for registration :—

(i) The Council should be satisfied that the exporter is a manufacturer of standard quality products.

(ii) In case the exporter is not himself the manufacturer, the Council should be satisfied that the exporter has made satisfactory arrangements with the manufacturer(s) of quality products.

(iii) The exporter should undertake to subject his export consignment to such quality control or pre-shipment inspection as may be decided upon by the Council.

(iv) The exporter shall generally agree to abide by the advice and decisions of the Council in matters relating to trading practices, adopting standard contract forms, arbitration etc.

(v) The exporter should undertake to furnish to the Council monthly figures of exports of goods covered by the Scheme.

3. (4) The Council shall, if satisfied about the qualifications of the applicant, issue a registration certificate in the prescribed form (Annexure IV) with copies to the (i) licensing authority having jurisdiction over the place of business of the exporter; (ii) the Development Council for Food Processing Industries, C/o. Development Wing, Udyog Bhavan, New Delhi; and (iii) the E. P. (Agriculture) Section, Department of International Trade, Ministry of Commerce and Industry, Udyog Bhavan, New Delhi.

4. Import entitlement :

4. (1) The import entitlement against exports of various products under the scheme shall be as specified in Part A and B of Annexure I.

4. (2) The import entitlement as in 4.1 may be utilised for :—

- (a) Import of raw materials as per Annexure II.
- (b) Import of tools, spare-parts, machinery and equipment for replacement or for better finishing, modernising, packing, or for balancing existing machinery and required in the manufacture of processed foods, which are not indigenously available not exceeding 10% of the f.o.b. value of exports within the overall import entitlement specified in Parts A and B of Annexure I.

5. Application for import licence :—

5. (1) Applications for import licence shall normally be made on a quarterly basis in respect of payments received during the preceding quarter. There is, however, no

objection to an exporter claiming the import entitlement immediately after an export, provided the necessary documentation is available.

5. (2) The import applications should be sent to the Council who, after scrutiny, will forward them to the licensing authority concerned, for issue of licence. The Council shall maintain proper registers in respect of individual registered exporters to ensure that import entitlements are not claimed more than once against the same export

6. Further Provisions:

The Provisions of Appendix 23 of the Red Book shall, to the extent not in consistent with any specific provision in this scheme, be applicable to this scheme also. In particular, the following provisions of Appendix 23 should be read as part of this Scheme :

- (a) the provisions regarding entitlements on exports to Afghanistan, Tibet, Nepal and Sikkim ;
- (b) the provisions regarding exports to rupee payment countries ;
- (c) the provisions regarding documents to be submitted along with the import applications ; and
- (d) the provisions regarding advance licensing.

7. Use of import entitlement :

7. (1) Any exporter can use the articles imported against entitlements wholly or partly (a) in the exporter's own factory or factories or (b) can sell wholly or partly to any other factory or factories which are either engaged in export of any of the products covered by this scheme or in selling any of such products for export provided that the Council certifies that such other factory or factories are so engaged.

8. Returns :

The Council shall furnish to the E. P. (Agriculture) Section, Department of International Trade in the Ministry of Commerce and Industry, with a copy of the Development Officer (Food), Development Wing, a

quarterly return, separately in respect of each of the processed food covered by the scheme. The return should be forwarded by the 15th of the month following the end of the quarter and should give the following information :—

- | | | | | | |
|--|-----|-----|-----|--------------------|--------------------|
| 1. No. of persons registered under the Scheme | ... | ... | ... | During the quarter | Since 1st January. |
| 2. Value of import licences issued. | | | | | |
| 3. Value of exports made by exporters registered under the scheme. | | | ... | | |

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ANNEXURE I

Part A.

1. All products covered by the Fruit Products order.
2. Custard powder.
3. Corn flour.
4. Baking powder.
5. Juice powder.
6. Jelly crystals.
7. Tea mix powder.
8. Coffee mix powder.
9. Mustard powder.
10. Ice-cream milk powder and ice cream
11. Canned meat product.
12. Liquid glucose.
13. Dextrose.

14. Macaroni and vermicelli and spaghetti.
15. Breakfast foods.
16. Banana fritters and potato wafers.
17. Papads.
18. Channa made products such as sandesh and rasagolla.
19. Khoa made products such as barfi, peda.
20. Dried fruits excluding walnuts and cashewnuts.
21. Starch and its derivatives
22. Poultry products.
23. Guar gum (see note (b) below)
24. Wheat bran (see note (c) below)
25. Such other processed food products as the Government of India may add from time to time.

Note: (a) Import entitlements against exports of the above items 23 and 24 will be 10% of f.o.b. value of export, as in Annexure II.

(b) For item 23: Guar gum, import of chemicals for making additives based on guar gum will be permitted upto 1% of the f.o.b. value of exports of guar gum. No other import entitlements as under para 4.2 (a) will be permitted against export of this item. Import entitlement under para 4.2 (b) will, guar gum.

(c) For Item No 24: Import of silk bolting *Wheat bran*: cloth and nylon bolting cloth will be permitted up to 1 % of the f.o.b. value of exports of wheat bran. No cloth import entitlements as under para 4.2 (a) or 4.2. (b) will be permitted against export of this item.

Part B.

1. Biscuits.
2. Confectionery.
3. Malted milk foods.
4. Cocacola concentrate (see note (b) below).
5. Such other processed food products as the Government of India may include from time to time.

Note: (a) Import entitlements against export of the above items under Part B will be 20% of the f.o.b. value of exports, as in Annexure II.

(b) For item 4, *Cocacola concentrate*, only such raw materials as are permitted under the Actual User Licences will be allowed to be imported. Import entitlements under para 4.2 (b) will not be available against export of cocacola concentrates.



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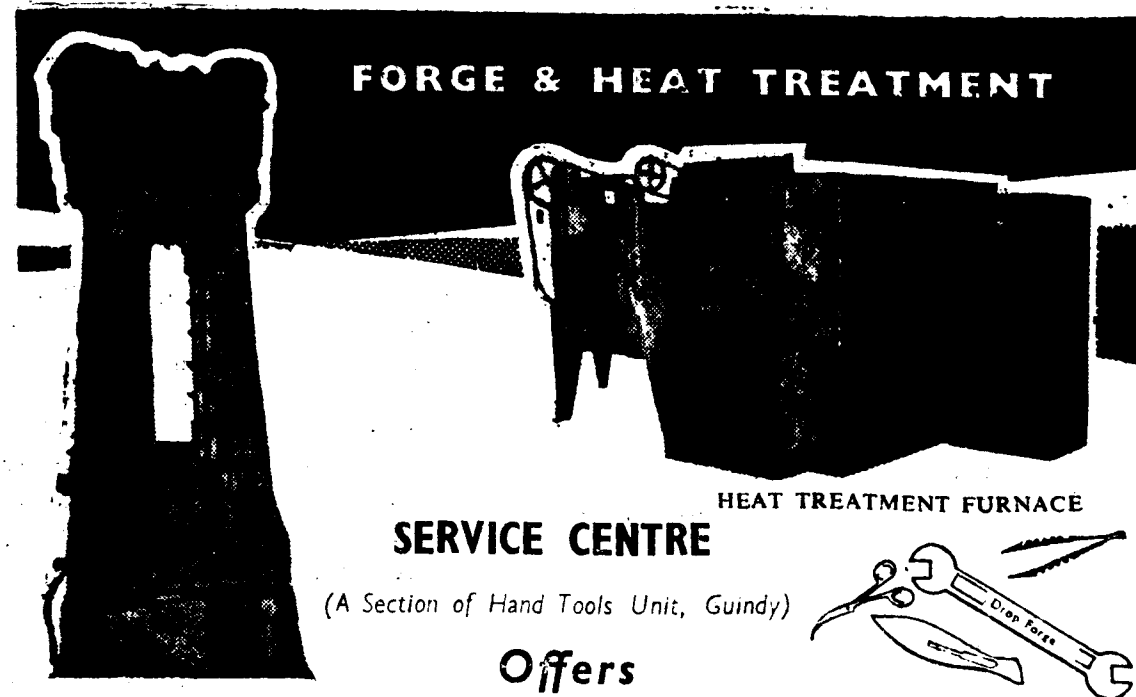
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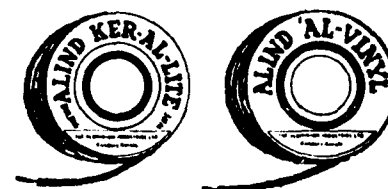
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AL/62-O

ANNEXURE II

List of raw materials that could be imported under the Export Promotion Scheme.

1. Natural essential oils including orange oil and lemon oil.
2. Edible gelatine
3. Milk powder
4. Harmless food colours
5. Pectin
6. Butter paper.
7. Cellophane paper, MST, to be limited to one-tenth of the import entitlement
8. Vegetable parchment paper
9. Chrome art paper
10. Gum arabic
11. Tartaric acid
12. Soya lecithin
13. Menthol crystals
14. Peppermint oil
15. Vanillin
16. Cocoa Beans
17. Printed waxed paper to be limited to one-fourth of the import entitlement
18. Printed waxed paper with aluminium foil to be limited to one-fourth of the import entitlement
19. Cream of tartar
20. Silk bolting cloth and nylon bolting cloth
21. Wire mesh steel
22. Hyfflopercel
23. Activated carbon to be limited to one-fifth of the import entitlement
24. Ion exchange resins
25. Oats
26. Aromatic chemicals including banned items
27. Tin tagger
28. Calcium proprionate
29. Raw gum base bubble
30. Raw gum base chickle
31. Saffron to be limited to one-tenth of the import entitlement

ANNEXURE III

To

The Secretary,
Export Promotion Council for Processed Foods,
Calcutta.

Sub: Registration as an exporter under the Export Promotion Scheme for Processed Foods.

Dear Sir,

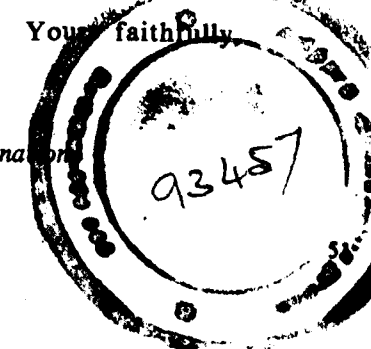
Kindly register us under the above mentioned Scheme as an exporter of Processed Foods.

1. Full name and complete address of the applicant
2. Whether manufacturer, or merchant-exporter
3. Quantity and value of goods (itemwise) produced (in the case of a manufacturer) during the last three years ...
4. Quantity and value of goods exported during the last three years ...
5. Complete address/addressess of the factory/factories where the finished articles are manufactured and capacity for production of finished goods
6. Description and other particulars (especially about type, quality etc.) of the finished goods exported or sought to be exported by the applicant and their approximate per unit value (separately for each item.) ...
7. Particulars regarding registration with any other agencies such as Joint Chief Controller of Imports and Exports, Development Council etc. ...
8. Any other information

We further undertake to abide by all the conditions of the Scheme which we have read.

Place :
Date :

Signature
Name
Status / Designation



APRIL-JUNE 1963

ANNEXURE IV

From :

The Secretary,
Export Promotion Council for
Processed Foods, Calcutta.

Registration No.

Dated :

Sub: Registration as an exporter under the special
Export.

Promotion Scheme for Processed Foods.

1. Shri/Messrs
is/are hereby registered as an exporter under the special
Export Promotion Scheme for Processed Foods.

2. This registration is being issued to the firm on the distant conditions that they shall submit by the 5th of every month to the under signed a progress return in the prescribed form showing their actual export performance for the previous month. In the event of their contravention of the regulations of the scheme or any unsatisfactory progress in the export performance the said registration shall be cancelled forthwith and all assistance under the scheme stopped, in addition to any other penalties which may be imposed from time to time.

3. The registration number and date shall be quoted in all correspondence from the firm relating to this scheme.

IMPORT OF CONSUMERS' GOODS BY CONSUMERS' CO-OPERATIVES

New rules have been framed to enable consumers' stores to import consumer articles like milk powder, baby food, certain types of drugs and medicines, books, photographic material and X-ray films.

Originally, three conditions were laid down for the consumers' co-operatives to become eligible for the import of consumer goods. A consumer society should have a membership of not less than 100 and minimum annual turnover of Rs. 20,000; secondly, it should have been in operation during the last two co-operative years; and thirdly, licences for import were restricted to fourteen items. In order to save foreign exchange a 50 per cent cut was imposed on licence issued from October 1962 to consumers' co-operatives against their entitlement.

It has now been decided that a society should be eligible to import consumer goods, if recommended by the Registrar of Co-operative Societies of the State concerned and no condition about it having imported the goods in the past is to be imposed.

The requirement that a consumers stores should have a minimum membership of 100 has also been relaxed. Many of the wholesale stores which will act as bulk buyers on behalf of their constituent primary stores

will have membership varying from 10 to the maximum of 50 normally. As for the primary stores, it has a minimum membership of 100.

Wherever wholesale stores have been organised, they will be permitted to import on behalf of their affiliated primary stores and retail branches upto the aggregate entitlement of the affiliated units or branches.

For a primary store having less than 1,000 members and a sales turnover of Rs. 50,000 the maximum value of import licences has been fixed at Rs. 5,000 for all items put together and upto Rs. 1,000 for any individual item. As for the apex society or wholesale store, the combined annual sales turnover of the small units working under it will be taken into account for calculating the entitlement provided the number of such units does not exceed 100. The maximum entitlement of a society, however, cannot exceed Rs. 25,000 in the aggregate and Rs. 2,500 for any individual item.

It has also been agreed that the State Trading Corporation should distribute imported consumer goods earmarked for consumers' co-operatives through wholesale societies wherever they are in existence.

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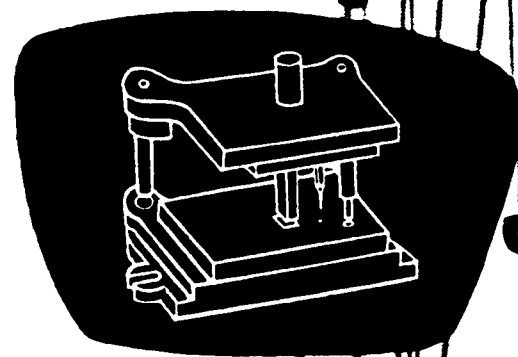
TURNING
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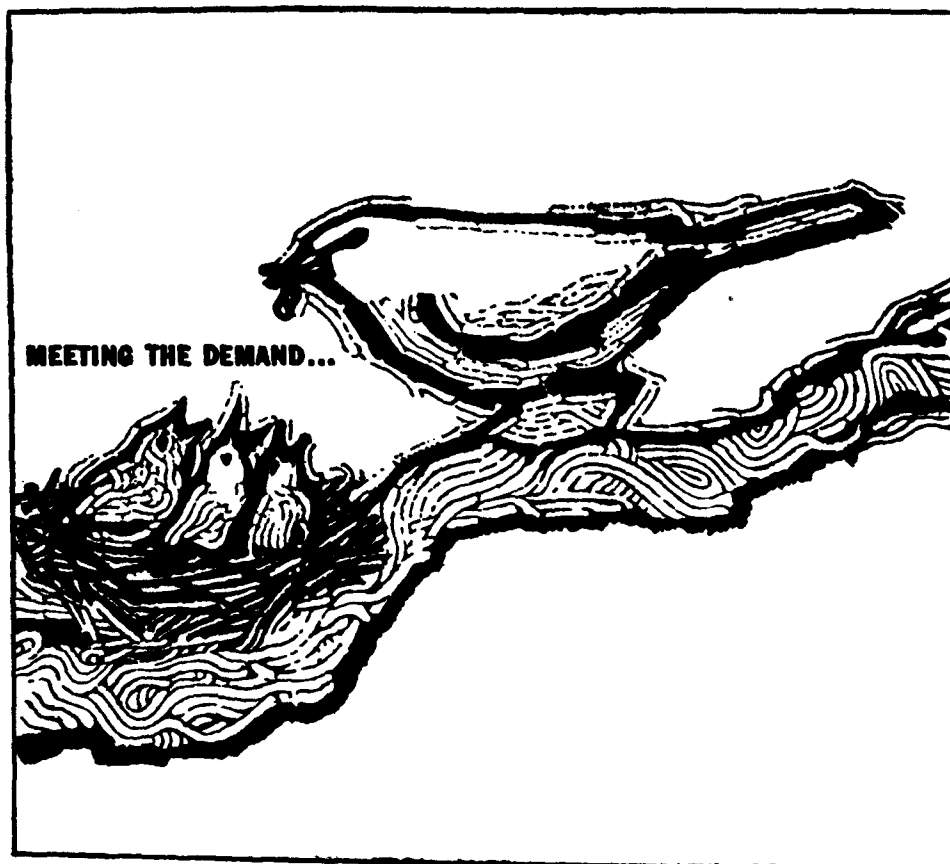
List of Books Added

- | | |
|---|---|
| 1. Purchasing Handbook | George W. Aljian. |
| 2. Top Management Handbook | H. B. Maynard. |
| 3. Introduction to Foundry Technology | D. C. Ekey & W. P. Winter. |
| 4. Adhesive Bonding of Reinforced Plastics | Henry Alexander Perry. |
| 5. Modern Marketing Management | Ferdinand F. Mauser. |
| 6. Techniques for Marketing New Products | Douglas Banning. |
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| 19. Technique of Radio Design | E. E. Zepler. |
| 20. Industrial Psychology | Tiffin & Mc Cormick. |
| 21. Encyclopaedia of Radio and Television. | Rudolf Gunther. |
| 22. Glass Melting Tank Furnaces | Feirer & Tatro. |
| 23. Machine Tool Metal Working | Frank W. Wilson. |
| 24. ASTM Handbook of Fixture Design | |
| 25. Kothari's Economic Guide and Investor's Handbook,
of India 1961. 2 Vols. | Kothari & Sons. |

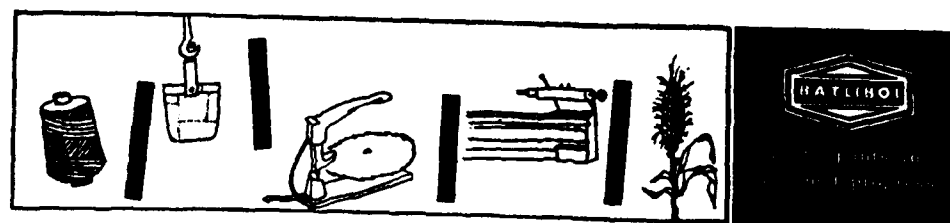
INDUSTRIAL LICENSING

LIST OF LICENCES ISSUED UNDER THE INDUSTRIES (DEVELOPMENT & REGULATION) ACT, 1951 DURING OCTOBER—DECEMBER 1962

OCTOBER 1962



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Name and full address of the undertaking and location	Articles of manufacture: capacity and type of licence	Licence number and date
Schd. Ind. No. 1 A (7)—Other Products of Iron & Steel.		
Gladstone Lyall & Co. Ltd., 4, Fairlie Place, Calcutta-1 (Durgapur, West Bengal)	Wire ropes—[N U]	Tons p. a. L/1 A (7) 61/62-EI (M) ... 3,000 22-9-62
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and their derivatives		
Khas Sijua Coal Company, P.O. Jharua, District Dhanbad (Mouza Pandidih, Dist. Dhanbad, Bihar)	Coal—[C O B]	Tons p. a. L/2 (1) N-48/62 ... 22,000 28-9-62
Schd. Ind. No. 7 (5)—Automobiles		
Rane (Madras) Ltd., 354, M. K. N. Road, Alandur, Madras-16 (Velachery, Madras)	Complete steering linkage assembly (N A & Shifting from Alandur to Velachery Madras)	sets p. a. L/7 (5) 21/62-AEI ... 75,000 29-9-62
Schd. Ind. No. 12 (2)—Hand Tools, Small Tools & the like		
The Binani Metal Works Ltd., Binani Buildings, 38, Strand Road, Calcutta-1 (Bombay, Maharashtra)	Die chaser bits ... Reamers ... Milling cutters ... Chasers ... Wood cutting tools (excluding saws) ... Taps—[N A] ...	Nos. p. a. L/12-2/77/62-MEI ... 14,400 26-9-62 ... 3,600 ... 3,600 ... 3,600 ... 3,600 ... 3,600 ... 3,600
Schd. Ind. No. 19 (1)—Inorganic Heavy Chemicals		
Uttar Pradesh Pulp & Paper Mills Ltd., Mansurpur, Dist. Muzaffarnagar. (Mansurpur, U.P.)	Caustic soda (Lys) Chlorine (Gascous)—[N A]	Tons p. a. L/19 (1) 79/NA/Ch (1) 62 ... 2,400 3-10-62 ... 1,920
Schd. Ind. No. 1 A (7)—Other Products of Iron and Steel		
Testeels Ltd., The Commercial Ahmedabad Mills Premises, Near Idgah Gate, Asarwa, Ahmedabad-11 (Dehgam, Ahmedabad, Guajrat)	Steel and steel frame structures, hydraulic steel structures, bridges, power structurals ... Transmission line towers and power house structures ... [N A]	Tons p. a. L/1 A (7) (50) 62-EI (M) ... 3,600 12-8-62 ... 2,400

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APRIL-JUNE 1963

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Bengal Corporation (Private) Ltd., 14, Netaji Subhas Road, Calcutta-1 (Hazariabagh, West Bengal)	Wire ropes—[N U] Tons p. a. ... 3,000	L/1 A (7) 57/62-EI (M) 20-9-62
Schd. Ind. No. 8 (B-2)—Conveying Equipment		
Modern India Construction Co. Ltd., N-78, Connaught Circus, New Delhi (Calcutta, West Bengal)	Electric overhead travelling cranes (upto 15 tons capacity) [N A] Nos. p. a. ...	L/8 B (2) 39/62 MEI 26-9-62
Peoples Engineering & Motor Works Ltd., 12, J. N. Mukherjee Road, Salkia, Howrah (Howrah, West Bengal)	Hull of dredger, cranes, winches, steam engines and boilers—worth of machinery 24 [N A] Rs. p. a. ...	L/8 B (2) 40/MEI/62 30-9-62
Schd. Ind. No. 15 (1)—Water Meters, Steam Meters, Electricity Meters and the like		
Radios Electricals Manufacturing Co., P.B. No. 16, Mysore Road, Bangalore-18 (Bangalore, Mysore)	Water meters [C O B & S E] Nos. p. a. ... 45,000	L/15 (1) 12/62 5-10-62
Schd. Ind. No. 22—Drugs and Pharmaceuticals		
Smith, Stanistreet and Co. Ltd., 18, Convent Road, Calcutta-14 (West Bengal)	Stanexma ointment tubes of 20 G. 75,000 Valazine tablets ... 4,99,992 Pepalox tablets ... 4,99,992 [N A] Capacity p. a. ...	L/22/133/62 Ch. III 28-9-62
Sanitex Chemical Industries Ltd., Industrial Road, Baroda-3 (Baroda, Gujarat)	Enzim capsules—[N A] capsules p. a. ... 60,00,000	L/22/135/62-Ch. III 28-9-62
Schd. Ind. No. 23 (2)—Jute, including Jute, Twine and Rope		
Shree Gouri Shankar Jute Mills Ltd., 10, Clive Row, Calcutta (West Bengal)	Wide hessian carpet backing cloth Tons p. a. ... 22 Broad looms for producing... 2,310 (after expansion 47 looms) [S E]	L/23 (2) 26/Tex (D) 62 28-9-62
Auckland Jute Co. Ltd., Chartered Bank Building, Calcutta (West Bengal)	44 Broad looms for producing... 4,620 (after expansion 86 broad looms)—[S E]	L/23 (2) 27/Tex (D) 62 27-9-62
The Northbrook Jute Co. Ltd., Chartered Bank Building, Calcutta-1 (West Bengal)	15 Broad looms for producing... 1,575 [S E]	L/23 (2) 28/Tex (D) 62 27-9-62
Union Jute Co. Ltd., Chartered Bank Buildings, Calcutta-1 (West Bengal)	72 Broad looms for producing... 7,560 (after expansion 88 broad looms)—[S E]	L/23 (2) 31/Tex (D) 62 28-9-62
The Angus Co. Ltd., 3, Clive Road, P.B. No. 53, Calcutta (West Bengal)	30 Broad looms for producing... 2,150 [S E]	L/23 (2) 32/Tex (D) 62 28-9-62

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
The Kelvin Jute Co. Ltd., 'McLeod House', 3, Netaji Subhas Road, Calcutta-1 (West Bengal)	Wide hessian carpet backing cloth Tons p. a. ... 20 Broad looms for producing... 2,100 (after expansion 80 broad looms)—[S E]	L/23 (2) 34/Tex (D) 62 27-9-62
The India Jute Co. Ltd., 1-, Strand Road, Calcutta-1 (West Bengal)	110 Broad looms for producing—[S E] ... 11,550	L/23 (2) 35/Tex (D) 62 27-9-62
Fort Gloster Industries Ltd., 21, Strand Road, P.B. No. 121, Calcutta-1 (West Bengal)	60 Broad looms for producing... 6,300 [S E]	L/23 (2) 36/Tex (D) 62 27-9-62
The Ganges Manufacturing Co. Ltd., 7, Council House Street, Calcutta (West Bengal)	135 Broad looms for producing ... 14,175 (after expansion 165 broad looms)—[S E]	L/23 (2) 37/Tex (D) 62 29-9-62
The Megna Mills Co. Ltd., 16, Strand Road, Calcutta (West Bengal)	102 Broad looms for producing ... 10,710 (after expansion 182 broad looms)—[S E]	L/23 (2) 38/Tex (D) 62 28-9-62
The Alexandra Jute Mills Ltd., 3, Netaji Subhas Road, Calcutta-1 (West Bengal)	50 Broad looms for producing... 5,250 [S E]	L/23 (2) 39/Tex (D) 62 28-9-62
Waverley Jute Mills Co. Ltd., 3, Netaji Subhas Road, Calcutta-1 (West Bengal)	do. do. do. do. ...	L/23 (2) 40/Tex (D) 62 28-9-62
The General Industrial Society Ltd., 15, India Exchange Place, Calcutta-1 (West Bengal)	56 Broad looms for producing... 5,880 (after expansion 86 broad looms)—[S E]	L/23 (2) 41/Tex (D) 62 28-9-62
Alliance Jute Mills Co. Ltd., 'McLeod House', 3, Netaji Subhas Road, Calcutta-1 (West Bengal)	30 Broad looms for producing... 3,150 [S E]	L/23 (2) 42/Tex (D) 62 1-10-62
Caledonian Jute Mills Co. Ltd., 9, Brabourne Road, Calcutta-1 (West Bengal)	50 Broad looms for producing... 5,250 [S E]	L/23 (2) 43/Tex (D) 62 4-10-62
Birla Jute Manufacturing Co. Ltd., 15, India Exchange Place, Calcutta-1 (West Bengal)	22 Broad looms for producing... 2,310 (50 broad looms after expansion)—[S E]	L/23 (2) 44/Tex (D) 62 10-10-62
Schd. Ind. No. 30 (2)—Surgical and Medicinal Products including Prophylactics		
Mulraj Khatau & Sons Private Ltd., Laxmi Building, 6, Ballard Road, Bombay-1 Proposed name: Gripright (India) Ltd., Bombay (Borivli, Bombay, Maharashtra)	Rubber contraceptives (Male) ... 24,000,000 Feedtreats ... 8,100,000 Soothers ... 6,000,000 Plastic caps and discs for feeding bottles ... 600,000 [N U] Annual capacity in Nos. ...	L/30 (2) 19/62-Ch. IV 3-10-62

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Schd. Ind. No. 30 (4)—Other Rubber Goods		
T. Maneklal Manufacturing Co. Ltd., Vaswani Mansions, Dinshaw Vachha Road, P.O. Box No. 111-A, G. P. O., Bombay-1 (Vatwa Vinzol, Ahmedabad, Gujarat)	Rubber rollers, ebonite rollers ... 120 tons Rubber lining of vessels for chemical industry dyes etc. ... 6,000 metres Hard rubber drums ... 1,200 Nos. or 24 tons [N A]	Annual capacity L/30 (4) 20/62-Ch. IV 3-10-62
Schd. Ind. No. 1 A (2)—Ferro-alloys		
Shri Pranlal Patel, Mathuradas Mills Compound, Lower Parel, Bombay-13 Proposed name : Koyna Ferro-Alloys Ltd., (Chiplun, Ratnagiri Dist. Maharashtra)	Ferro-silicon ... 7,000 Ferro-chrome—[N U] ... 4,800	tons p. a. L/1 A (2) N-9/62 16-10-62
Schd. Ind. No. 4 (2)—Internal Combustion Engines		
Bharat Forge Company Ltd., 13, Elphinstone Road, Kirkee, Poona (Maharashtra)	Furnished crankshafts (diesel engines and automobiles) ... 16,800 [S E]	Nos. p. a. L/4 (2) 2/EEI/62 4-9-62
Schd. Ind. No. 12 (1)—Plastic Moulded Goods		
Hyderabad Laminated Products Ltd., 183-184, Rashtrapathi Road., Secunderabad-3 (Sanathnagar, Hyderabad)—A.P.	Phenolic and melamine laminates sheets, rods and tubes ... 1,600 [S E]	tons p. a. L/12 (1) 7/62-Ch. V 17-10-62
Schd. Ind. No. 19 (2)—Organic Heavy Chemicals		
Sri V.S. Tyagaraja Mudaliar, Express Estates, Mount Road, Madras-2 Proposed name : Cellulose Acetate Products Ltd., (Tiruchirapalli, Madras)	Cellulose triacetate and diacetate ... 3,300 p. a. Acetic acid from alcohol ... 10 per day Acetic anhydride by cracking of acetic acid ... 25 .. Recovery of glacial acetic acid from a dilute aqueous solution ... 85 to 90 .. Acetylation manufacture of cellulose Triacetate and di-acetate—[N U] ... 10 ..	Tons L/19 (2) 10/Ch. V/62 16-10-62
Schd. Ind. No. 22—Drugs and Pharmaceuticals		
Sanitex Chemical Industries Ltd., Industrial Road, Baroda-3 (Baroda, Gujarat)	Sulphaguanidine—[S E] ... 6,000,000	Tablets p. a. L/22/134/62-Ch. III 28-9-62
Suhrid Geigy Ltd., P.O. Box No. 48, Wadi Wadi, Baroda-3 (Baroda, Gujarat)	Tanderil and its formulations [N A]	tons p. a. L/22/136/62-Ch. III 12-10-62

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Schd. Ind. No. 23 (1)—Cotton Textiles		
Elgin Mills Co. Ltd., Civil Lines, Kanpur (Kanpur, U.P.)	12,000 spindles for the manufacture of cotton yarn—[S E]	L/23 (1) 149/62 Tex (B) 12-10-62
Kerala State Industrial Development Corporation Ltd., Post Box No. 105, Vellayambalam, Trivandrum-1 (Alleppey Dist. Kerala State)	do do ... [N U]	L/23 (1) 464/Tex (B) 62 15-10-62
Schd. Ind. No. 23 (5)—Textiles made wholly or in part of Synthetic, Artificial (man-made) Fibres, including yarn and Hosiery of such Fibres		
Rajratna Silk Mills, 20, Navroji Seth Street, Thakurdurur, Bombay-2 (Maharashtra)	22 power looms for the manufacture of art silk cloth—[S E]	L/23 (5) N-31/Tex (D) 62 11-10-62
Schd. Ind. No. 1 A (7)—Other Products of Iron and Steel		
Chase Brothers Private Ltd., Vaswani Mansions, 6th Floor, Dinshaw Vachha Road, Bombay-1 (Thana, Maharashtra)	High tensile galvanised steel wire ropes—[N U] ... 3,000	tons p. a. L/1 A (7) 56/62-EI (M) 20-9-62
Shoorji Vollabhdas & Co., Bombay Mutual Building, 293, Dr. Dadabhai Naoroji Road, Bombay-1 (Kerala)	Wire ropes—[N U] ... 3,000	L/1 A (7) 64/62-EI (M) 23-9-62
Shalimar Industries (Private) Ltd., 25, Ganesh Chandra Avenue, Calcutta-13 (Shalimar, West Bengal)	High carbon steel wires [N A] ... 1,050	L/1 A (7) N-277/62 20-10-62
Special Steels Ltd., 5, Stadium House, 81/83, Veer Nariman Road, Bombay-1 (Maharashtra)	Telegraph wire, electrode wire, high tensile spring steel wire, high tensile prestressed concrete wire, high tensile umbrella ribs wire, high tensile cycle spoke wire etc.—[S E] ... 5,000	L/1 A (7) N-275/62 20-10-62
Champion Engineering Works Ltd., Queen's Mansion, Bastion Road, Bombay-1. (Maharashtra)	High tensile spring steel round, flate and profile flute wire etc. (for the manufacture of umbrella ribs and stretchers —[N A] ... 3,000	L/1 A (7) N-276/62 20-10-62
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and their Derivatives		
Model Angarpathra Colliery, P.O. Gobindpur, Dist. Dhanbad (Mouza Chandore, Dhanbad, Bihar)	Coal—[C O B] ... 24,000	Tonnes p. a. L/2 (1) N-63/62 20-10-62
Shri Shiv Shanker D. Bole, West Ramkanali Colliery Co., P.O. Katrasgarh, District Dhanbad (Mouza Keshalpur, Pargana Katras, Dhanbad, Bihar)	do. do. ... 1,20,000	L/2 (1) N-60/62 19-10-62

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Name and full address of the undertaking and location	Articles of manufacture: capacity and type of licence	Licence number and date
Reliance Coal Co., Reliance Colliery, P.O. Kumardhubi, Dhanbad (Kumardhubi P.O. Dhanbad, Bihar)	Coal ... [C O B] 48,000	L/2 (1) N-61/62 19-10-62
Khas Godhur Coal Co., Khas Godhur Colliery, P.O. Kusunda, Dist. Dhanbad (Kusunda P.O., Dhanbad, Bihar)	do. do. do. 7,200	L/2 (1) N-64/62 20-10-62
Central Salanpur Coal Concern, Central Salanpur Colliery, P.O. Katrasgarh, Dist. Dhanbad (Katrasgarh P.O. Dhanbad, Bihar)	do. do. do. 12,600	L/2 (1) N-62/62 20-10-62
Schd. Ind. No. 5 (9)—Household Appliances such as Electric Iron, Heaters and the like		
Voltas Ltd., 19, Gradam Road, Ballard Estate, P. B. No. 1198, Bombay-1 (Maharashtra)	Annual installed capacity Nos. 65 Watts soldering irons ... 15,000 25 do do [N A] 10,000	L/5 (9) 12/1EE1/62 15-10-62
Schd. Ind. No. 13 (3)—Air Conditioners and Refrigerators		
Air Conditioning Corporation Ltd., Construction House, Ballard Estate, Bombay-1 (Calcutta, West Bengal)	Water-coolers ... Shifting from Bombay to Calcutta—[Shifting]	Nos. p. a. L/13 (3) 2 IEI (B) 62 300 15-10-62
Schd. Ind. No. 19 (1)—Inorganic Heavy Chemicals		
Star Chemicals, 21, Noble Chambers, Parsee Bazar Street, Fort, Bombay-1. (Maharashtra)	Phosphorus—[N U] ... 1,500	tons p. a. L/19 (1) 78/NU/Ch. (1) 62 18-10-62
Schd. Ind. No. 19 (2)—Organic Heavy Chemicals		
Atul Drug House Ltd., 85, Dr. Annie Besant Road, Worli, Bombay-18 (Kandla, Gujarat)	Acetaldehyde—[N A] ... 360	Metric tons p. a. L/19 (2) 11 Ch. V/62 17-10-62
Schd. Ind. No. 22—Drugs and Pharmaceuticals		
Unichem Laboratories, 22, Bhulabhai Desai Road, Bombay-26 (Maharashtra)	Diphenhydramine Hydro- chloride ... 1,800 Diphenyl hydratoion—[N A] ... 1,800	kgs. p. a. L/22/137/62 Ch. III 24-10-62
Schd. Ind. No. 23 (1)—Cotton Textiles		
Shree Niwas Cotton Mills Ltd., Delisee Road, Bombay-13 (Maharashtra)	Spindles for the manufacture of cotton yarn—[S E] ... 4,000	L/23 (1) 453/62 Tex (B) 15-10-62
Shri Madhusudan Mills Ltd., Shri Niwas House, Waudby Road, Fort, Bombay (Maharashtra)	do do do ... 16,400	L/23 (1) 451/62 Tex (B) 15-10-62

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Name and full address of the undertaking and location	Articles of manufacture: capacity and type of licence	Licence number and date
Sassoon Spinning and Weaving Co. Ltd., Mafatlal House, Back Bay Reclamation, Bombay-1 (Maharashtra)	Spindles for the manufacture of cotton yarn—[S E] ... 2,129	L/23 (1) 454/62 Tex (B) 15-10-62
Khatau Makanji Spinning Weaving Co. Ltd., Laxmi Building, Ballard Pier, Bombay (Maharashtra)	do do do ... 13,241	L/23 (1) 452/62 Tex (B) 15-10-62
Gold Mohur Mills Ltd., Chartered Bank Building, Fort, Bombay-1 (Maharashtra)	do do do ... 12,000	L/23 (1) 457/62 Tex (B) 15-10-62
Lakshmi Cotton Manufacturing Co. Ltd., 9-Wallace Street, Fort, Bombay-1 (Maharashtra)	do do do ... 12,000	L/23 (1) 459/62 Tex (B) 15-10-62
Simplex Mills Co. Ltd., 43 Clerk Road, Jacob Circle, Bombay-11 (Maharashtra)	do do do ... 6,460	L/23 (1) 460/62 Tex (B) 15-10-62
Shri Khagendra Nath, Goalpara, Assam (Goalpara, Assam)	do do [N U] ... 25,000	L/23 (1) 463 Tex (B) 62 15-10-62
Ganga Corporation (Private) Ltd., New Dak Bungalow Road, Patna (Patna, Bihar)	do do do ... 12,000	L/23 (1) 465 Tex (B) 62 15-10-62
The Bihar Co-operative Weavers' Spinning Mills Ltd., Patna (Mokamch, Bihar)	do do [S E] ... 13,000	L/23 (1) 466 Tex (B) 62 15-10-62
Shri Vasantlal L. Patel, Gali Falia, Cambay, Proposed name: Raj Prakash Spinning Mills Co. Ltd., (Cambay Dist. Kaira, Gujarat)	do do [N U] ... 12,000	L/23 (1) 467 Tex (B) 62 18-10-62
Schd. Ind. No. 23 (3)—Textiles made wholly or in part of Wool, including Wool Tops' Woollen Yarn, Hosiery, Carpets and Druggets		
Bombay Fine Worsted Manufacturers 'Castle Mills' P.B. No. 21, Agra Road, Thana, Bombay (Bombay, Maharashtra)	Woollen worsted fabrics 20 power- looms, purchased from the defunct Mahalaxmi Woollen Mills, Bombay. [S E]	L/23 (3) 13 Tex (D) 62 22-10-62
Schd. Ind. No. 28 (1)—Vegetable Oil, including Solvent Extracted Oils		
Shri J. S. Patil, Chief Promotor, Co-operativ Cotton Seed Cum-Groundnut Cake Solvent Extraction Plant, Pachora, Dist. Jalgaon (Pachora Dist. Jalgaon, Maharashtra)	Cotton seed oil and groundnut oil by solvent extraction process of cotton seed/oil cake per day—[N U] ... 50	tons L/28 (1) 17/62 Ch. II 11-10-62

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Name and full address of the undertaking and location	Articles of manufacture: capacity and type of licence	Licence number and date
Schd. Ind. No. 1 A (2)—Ferro-Alloys		
The Tata Iron & Steel Company Ltd., 'Bombay House' 24, Bruse Street, Bombay-1 (Jeda, Orissa)	capacity in tons p. a. Ferro silicon ... 10,000 Ferro-chrome—[N A] ... 5,000	L/1 A (2) N 10/62 31-10-62
Schd. Ind. No. 1 A (7)—Other Products of Iron and Steel		
Hindustan Wires Ltd., 16/5, Chowringhee Road, Calcutta-13 (Sodepur)	tons p. a. Hard bright, G.I. Annealed, high tensile, prestressed, concrete, spring steel (special wires) signal and other wires—[S E] ... 5,000	L/1 A (7) N 274/62 20-10-62
Hindustan Iron & Steel Co., 8, Rajendra Deb Road, Calcutta-7 (Calcutta, West Bengal)	Anvils ... 600 Hammers ... 60 Grinding media forged cement balls & cypels—[S E] ... 2,400	L/1 A (17) IEI-B/62 30-10-62
Vidarbha Steels (Private) Ltd., 21, Hamam Street, Fort Bombay (Nagpur, Maharashtra)	High tensile steel wires [N U] 6,000	L/1 A (7) N 278/62 30-10-62
Schd. Ind. No. 1 B (1)—Non-Ferrous Metals and Alloys		
Shri G. D. Binani, 38, Strand Road, Calcutta-1 (Alwaye-Kerala) Proposed name: Comminco Binani Zinc Ltd.	metric tons of zinc p. a. Zinc by electrolytic process and its bye-products viz. sulphuric acid & cadmium ... 12,000 To be expanded to proportionate quantities of by-products viz. sulphuric acid and cadmium—[N U] ... 20,000	L/1 B (1) 21/62-MET 29-10-62
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and their Derivatives		
Shri Madan Lal Agarwalla, West Ghanuadih Colliery Co. P.O. Jharla E.R., Dist. Dhanbad (Mouza Bera, Bihar) Proposed name: West Ghanuadih Coal Co.	Coal [C O B] ... 18,000	L/2 (1) N-65/62 22-10-62
J. A. Trivedi Brothers, West Barkuhi Colliery, Balaghat, (Village Barkuhi, Madhya Pradesh)	do do ... 48,000	L/2 (1) N 66/62 22-10-62
Shri Satya Narayan Agarwalla, Hindusthan Coal Co., Alkusa Colliery, P.O. Barakar, Dist. Burdwan (Mouza Alkusa, West Bengal)	do [N U] ... 24,000	L/2 (1) N 67/62 22-10-62
Pure Bhuggatdih Colliery Co., P.O. Jharla, Dist. Dhanbad, (P.O. Jhanla, Bihar)	do [C O B] ... 11,400	L/2 (1) N 68/62 22-10-62

(Contd.)

Name and full address of the undertaking and location	Articles of manufacture: capacity and type of licence	Licence number and date
Shri M. N. Chatterjee, P.O. Kujur, Dist. Hazaribagh, (Village Topa, Bihar)	Coil [N U] ... 22,000	L/2 (1) N-69/62 22-10-62
Central Sulunga Colliery Co., P.O. Jharla, Dist. Dhanbad (Mouza Sulunga, Bihar)	do [C O B] ... 60,000	L/2 (1) N 70/62 22-10-62
Shri Mulji M. Chetalia, Central Keshalpur Colliery, P.O. Katrasgarh, Dist. Dhanbad (Mouza, Bihar)	do do ... 15,000	L/2 (1) N 71/62 22-10-62
Shreeniwas & Sons, Sri Amritnagar Selected Colliery, P.O. Raniganj, Dist. Burdwan (P.O. Raniganj, West Bengal)	year annual capacity tons Coal 1962 ... 1,34,000 do 1963 ... 1,60,000 do 1964 ... 1,68,000 do 1965 ... 1,68,000 do 1966 [C O B] ... 2,88,000	L/2 (1) N 72/62 22-10-62
Lachmi Coal Co. Ltd., 31, Mullick Street, Calcutta-7 (Mouza Prabadd, Bihar)	Coal [C O B] ... 30,000	L/2 (1) N 73/62 22-10-62
New Golakdih Colliery Co., New Golakdih Colliery, P.O. Gobindpur, Dist. Dhanbad, (Monza, Bhagarampur, Bihar)	do do ... 12,000	L/2 (1) N 74/62 22-10-62
Schd. Ind. No. 7 (5)—Automobiles		
Premier Motors (Private) Ltd., P.B. No. 57, 1, Madan Mohan Malviya Marg, Lucknow Lucknow, U.P.)	King bolts (king pins) spring shackle 2,34,000 units ... Bolts & pins (spring bolts) 7,50,000—[N A] ...	annual capacity tons 97 L/7 (5) 22/62-AEI 25-10-62

(Contd.)

PHARMACEUTICALS

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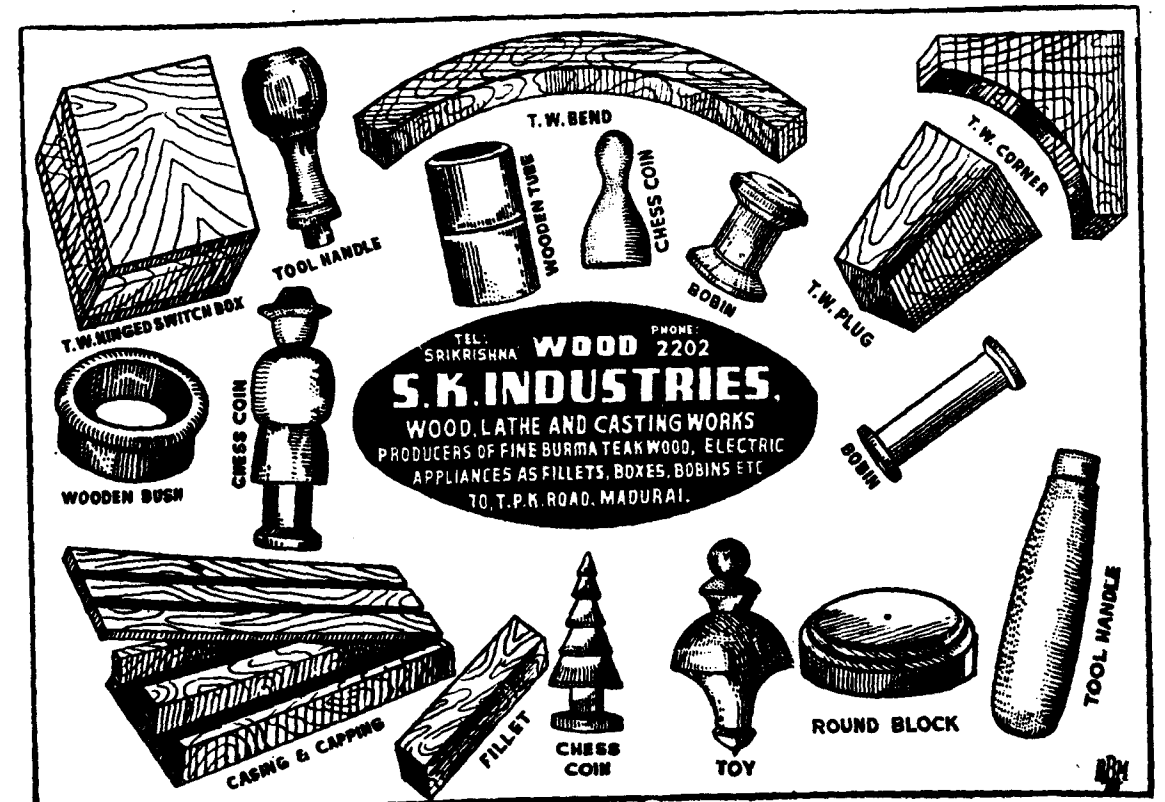
Name and full address of the undertaking and location	Articles of manufacture : capacity and type of licence	Licence number and date
Schd. Ind. No. 23 (1)—Cotton Textiles		
Modern Mills Ltd., 70 Forbes Street, Fort, Bombay (Bombay, Maharashtra)	Spindles for the manufacture of cotton yarn—[S E] 5,814	L/23 (1) 448/62 Tex (B) 26-9-62
Vishnu Cotton Mills Ltd., 9, Wallace Street, Bombay-1 (Sholapur, Maharashtra)	do do do ... 13,960	L/23 (1) 455/62 Tex (B) 15-10-62
Morarjee Goculdas Spinning & Weaving Co. Ltd., Dr. Ambedkar Road, Parel, Bombay-12 (Bombay, Maharashtra)	do do do ... 12,817	L/23 (1) 456/62 Tex (B) 15-10-62
India United Mills Ltd., (No. 1-Mill), India House, Dougall Road, Ballard Estate, Bombay-1 (Bombay, Maharashtra)	do do do ... 11,000	L/23 (1) 458/62 Tex (B) 15-10-62
Elphinstone Spinning & Weaving Mills Co. Ltd., Kamani Chambers, 32, Nicol Road, Ballard Estate, Bombay-1 (Bombay, Maharashtra)	do do do ... 3,088	L/23 (1) 461/62 Tex (B) 15-10-62
India United Mills Ltd., (No. 2 & 3), India House, Dougall Road, Ballard Estate, Bombay-1 (Bombay, Maharashtra)	do do do ... 21,539	L/23 (1) 462/62 Tex (B) 15-10-62
Schd. Ind. No. 23 (2)—Textiles made wholly or in part of Jute including Jute, Twine and Rope		
Shree Hanuman Jute Mills, 8, Dalhousie Square East, Calcutta-1 (Calcutta, West Bengal)	Wide Hessian (carpet backing cloth)—80 broad looms for producing—[S E] ... 8,400	L/23 (2) 45 Tex (D) 62 23-10-62
Schd. Ind. No. 27 (3)—Malted Foods		
The Mysore Industrial and Testing Laboratory Ltd., 1, T. L. Building, Malleswaram, Bangalore-3 (Bangalore, Mysore)	Malt extract—[S E] ... 2,620	L/27 (3) 4/62 Ch. 11 11-10-62
Schd. Ind. No. 1 A (7)—Other Products of Iron and Steel		
Krishna Steel Industries (Private) Ltd., 29-30, Vaswani Mansions 120, Dinshaw Vachha Road, Bombay-1 (Maharashtra)	Wire rope on the basis of maximum utilisation of plant and machinery—[N A] 3,000	L/1 A (7) 60/62 EI (M) 20-9-62
The Fort William Co. Ltd., 14, Netaji Subhas Road, Calcutta-1 (Konnagar Dist. Hooghly, West Bengal)	Shifting from sibpur howrah to konnagar dist. Hooghly, West Bengal, for the manufacture of wire rope.—[Shifting]	L/1 A (7) 62/62 EI (M) 28-9-62
Andhra Foundry and Machine Co. Ltd., 'Mullapudi Mahal' Taranaka, Hyderabad-1 (Hyderabad, Andhra Pradesh)	Structurals ... 1,200 Chemical plant and machinery—will be fixed after the firm goes into production.—[N U]	L/1 A (7) 63/62 EI (M) 28-9-62

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Name and full address of the undertaking and location	Articles of manufacture : capacity and type of licence	Licence number and date
Textile Machinery Corporation Ltd., P.O. Belghuria, 24, Parganas, (Durgapur, Dist. Burdwan, West Bengal)	Structural steel works on the basis of maximum utilisation of plant.—[S E] ... 4,800	tons p. a. L/1 A (7) 65/62 EI (M) 16-10-62
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and their Derivatives		
Shri Chunilal Madeka, Radhaballavpur Colliery, P.O. Samdi, Dist. Burdwan (Burdwan, West Bengal)	Coal—[N U]	tons p. a. L/2 (1) N 75/62 31-10-62
Schd. Ind. No. 22—Drugs and Pharmaceuticals		
Smith Stanistreet & Co., Ltd., 18, Convent Road, Calcutta-14 (Calcutta, West Bengal)	Penzime forte tablets ... 10,00,000 Vasacain tablets ... 5,00,000 Stanguinate ... 5,00,000 Ludocreme gms. 28 x 25,000 Penzime Liquid (bottles of 100 ml.) ... 45,000 Ludosol (ml. phials) 15,000 x 100 [S E & N A]	capacity p. a. L/22/138/62 Ch III 2-11-62

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Name and full address of the undertaking and location	Articles of manufacture ; capacity and type of licence	Licence number and date
Schd. Ind. No. 23 (1)—Cotton Textiles		
Maratha Textile Mills, Miraj, (Miraj, Maharashtra)	Spindles for the manufacture of cotton yarn.—[S E] ... 6,000	L/23 (1) 469/62 Tex (B) 26-10-62
Lokmanya Mills Barsi Ltd., Ariangaon, Barsi, Dist. Sholapur, (Sholapur, Maharashtra)	do do do ... 9,600	L/23 (1) 470/62 Tex (B) 26-10-62
Jaifabs Rayon Industries (Private) Ltd., Agra Road, Ghatkopar, Bombay-77 (Ghatkopar, Bombay, Maharashtra)	yards per month (Excluding machine printing) for the manufacture of cotton yarn.—[N A] ... 4,00,000	L/23 (1) 471/62 Tex (B) 26-10-62
Standard Mills Co. Ltd., New Prabhadevi Road, Bombay-13 (Bombay, Maharashtra)	Spindles for the manufacture of cotton yarn.—[S E] ... 21,800	L/23 (1) 474/62 Tex (B) 7-11-62
Manjushree Industries Ltd., 15, India Exchange Place, Calcutta-1 (Jorhat, Assam)	do do —[N U] ... 25,000	L/23 (1) 473 Tex (B) 62 5 11-62
Schd. Ind. No. 23 (5)—Textiles made wholly or in part of synthetic, artificial (man-made) Fibres' including Yarn and Hosiery of such Fibres		
Bijli Cotton Mills Ltd., Hathras (Hathras, U.P.)	Installed capacity Spindles for the manufacture of staple fibre yarn—[C O B] 4,800	L/23/5 N 32 Tex (D) 62 30-10 62
Dhamanwala Silk Mills, Rustampura, Dhamanwala Street, Surat-2 (Surat, Gujarat)	Installed capacity after expansion Powerlooms for the manufacture of staple fibre fabrics... [S E] 268	L/23 (5) N 33 Tex (D) 62 30-10-62
Kashiram Jagdish Weaving Factory, Salbatpura, Ambawadi, Near Kalipul, Nawi Sadak, Surat (Surat, Gujarat)	Powerlooms for the manufacture of art silk fabrics—[S E] 180	L/23 (5) N 34 Tex (D) 62 1-11-62
Schd. Ind. No. 27 (1)—Canned Fruits and Fruit Products		
The Midland Fruit & Vegetable Products (India) Private Ltd., 15, Ishwar Nagar, New Delhi (Jogendra Nagar, Himachal Pradesh)	Canned fruits and fruit products (including non-alcoholic apple cider)—[N U] ... 3,600	tons p. a. L/27/1 N 7/62 2-11-62
Schd. Ind. No. 27 (5)—Other Processed Foods		
Kamala Sugar Mills Ltd., Bodipatti Post, Udamalpet, Coimbatore (Madras)	Confectionary—[N A] ... 600	tons p. a. L/27 (5) 2/62 Ch II 20-10 62
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and their Derivatives		
Jamai Majri Coal Co. Private Ltd.,	year annual capacity	L/2 (1) N 76/62 15-11-62
Chhindwara (M.P.)	Coal 1st year ... 5,000	
(Village Sukri, Tehsil	do 2nd year ... 20,000	
Chhindwara, Dist.	do 3rd year ... 30,000	
Chhindwara, Madhya Pradesh)	do 4th year ... 40,000	
	do 5th year—[N U] ... 50,000	

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Name and full address of the undertaking and location	Articles of manufacture ; capacity and type of licence	Licence number and date
Schd. Ind. No. 5 (6)—Electrical Cables and Wires		
Deepak Insulated Cable Corporation, 13, IV C, Magad Road, Bangalore-2 (Bangalore, Mysore)	Enamel covered copper wires [N A]	tons p. a. L/5 (6) 45 IEEI 62 16-11-62
Schd. Ind. No. 5 (9)—Household Appliances such as Electric Irons, Heaters and the like		
Beni Limited, 1, Crooked Lane, Post Box No. 2152, Calcutta-1 (Calcutta, West Bengal)	Flood lights, head lights, tail lights etc., for earth moving machinery, tractors etc. and also flood lights for yard lighting—[N A] ... 2,000	Nos. p. a. L/5 (9) 11/62 IEEI installed capacity 13-11 62
Schd. Ind. No. 10 (1)—Tractors, Harvesters and the like		
Escorts Ltd., Pratap Buildings, Connaught Circus, New Delhi (Faridabad, Punjab)	Capacity per annum 9,000 implements in all	L/10 (1) 11/62 AEI 14-11-62
	Ploughs Disc plough Mouldboard plough Wheatland plough	
	Tillage Tandem harrow Mounted tandem harrow Mounted offset harrow Trailing offset disc harrow Paddy disc harrow Paddy cage wheels	
	Cultivation Spring tine cultivator Rigid tine cultivator Tiller Tiller seeding attachment Ridger	
	Soil Moving Blade Terracer Sub-soiler Soil scope Transport box Wheel barrow	
	Harvesting Reaper Thresher	
	Irrigation Tractor mounted pump —[N U]	
Schd. Ind. No. 12 (2)—Hand Tools, Small Tools and the like		
The Indian Tools Manufacturers Ltd., 101, Sion Road, Sion, Bombay-22 (Bombay, Maharashtra)	Twist drills—[S E]	Nos. p. a. L/12 (2) 78 MEI 62 28 80,000 30-10-62
Schd. Ind. No. 19 (11)—Insecticides, Fungicides, Weedicides and the like		
Tata Fison Ltd., Union Bank Building, Dalal Street, Fort, Bombay-1 (Pulluruthy, Cochin, Kerala)	20% Endrin emulsifiable solution—[S E]	Imperial gallons L/19 (11) 20/62 A & I per month 15-11-62 ... 3,000

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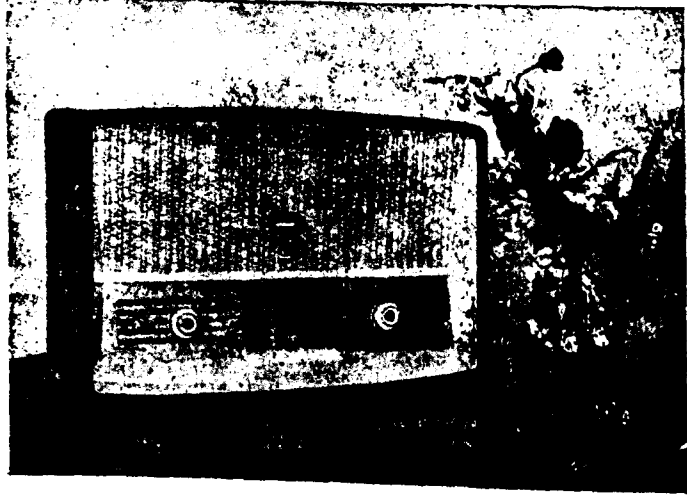
Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Tata Fison Ltd., Union Bank Building, Dalal Street, Fort, Bombay-1 (Howrah, West Bengal)	Imperial gallons per month 20% Endrin emulifiable Solution—[S E] ... 3,000	L/19 (11) 21/62 A & I 15-11-62
Schd. Ind. No. 23 (5)—Textiles made wholly or in part of synthetic, artificial (man-made) Fibres, including Yarn and Hosiery of such Fibres		
Fancy Corporation Ltd., 16, Apollo Street, Bombay-1 (Bombay, Maharashtra)	yards per month Embroidery piece goods—two embroidery machines for producing ... 70,000 (After expansion 8 embroidery machines for producing ... 2,70,000 [S E]	L/23 (5) 35 Tex (D) 62 9-11-62
Schd. Ind. No. 24 (4)—Paper for Packaging (Corrugated Paper, Kraft Paper, Paper Bags, Paper Containers and the like)		
Rohtas Industries Ltd., Dalmianagar (Dalmianagar, Bihar)	tons p. a. Vulcanised fibre sheets on three shifts ... 1,500 Vulcanised fibre products on three shifts—[C O B] ... 300	L/24 (4) 15/62 Ch I 9-11-62

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CABINET IN RICH TEAKWOOD VENEERS WITH SUPER GLASS FINISH.
PROVISIONS FOR EXTERNAL LOUD SPEAKERS AND GRAMAPHONE PICK UP.

(Contd.)

Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Schd. Ind. No. 27 (1)—Canned Fruit Products		
Harinarain Gopinath General Food Ltd., C/o. Shri Kailash Nath Harinarain Gopinath, Khari Baoli, Delhi (Sahidabad, Ghaziabad Tehsil, Meerut Uttar Pradesh)	annual capacity on single shift Canned fruits (tons) ... 1,440 Preserved fruits .. 1,152 Canned vegetables .. 720 Fruit juices, syrups and squashes (gallons) ... 1,20,000 (during summer season) Pickles, chutneys, sauces, Ketchup and vinegars (tons) 1,440 Dehydrated fruits and vegetables—[N U] .. 288	L/27 (1) N 8/62 12-11-62
Schd. Ind. No. 34 (1)—Fire Bricks		
Pandiyar Brick Works, 'Kasimari Buildings' 295, Thiruvottiyur High Road, Madras-21 (Maduraiyoyal, Tehsil Saidapet, Dist. Chingleput, Madras) The Chairman, State Housing Board, 33, Mount Road, Madras-35 Proposed name: Housing Board Bricks Works, (Tehsil Poonamalle, Dist. Chingleput, Madras) The Director of Industries and Commerce, Government of Madras, Chepauk, Madras-5 (Therumahisai, Dist. Chingleput, Madras) Proposed name: Government Mechanised Bricks Unit	Table moulded building bricks and other varieties of bricks by mechanised process—[N U] ... 1,50,00,000 Machine made building bricks, hollow blocks perforated bricks, facing bricks—[N U] ... 1,62,50,000 Machine made building bricks hollow blocks, perforated bricks, facing bricks etc.—[N U] ... 1,98,00,000	Nos. p. a. L/34 (1) 82/62 Ch IV 22-10-62 P/34 (1) 83/62 Ch. IV 22-10-62 P/34 (1) 84/62 Ch IV 22-10-62

(Contd.)

G O P U V I L A S

ELECTRICAL ZINC PIPE MANUFACTURERS
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A HOUSE FOR SATISFACTORY AND GUARANTEED
ELECTRIC WIRING WORKS, A FIRM OF NAME IN
MADRAS, KERALA AND ANDHRA STATES

Sole Proprietor:
A. SAMIKANNU PILLAI.

(Contd.)

Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Schd. Ind. No. 1 A (7)—Other Products of Iron and Steel		
I.K. Pathar & Co. (Private) Ltd., 5, Ganesh Chandra Avenue, Calcutta-18 (Calcutta or its suburbs, West Bengal)	Cold rolled strips of tool and alloy steel, width 2 mm to 500 mm thickness .05 mm to 4 mm (in various hardness enamelled & tempered edges and finish)—[N U] ... 3,600	tons p. a. L/1 A (7) N 279/62 19-11-62
Kanpur Cold Storage, P.T. Road, O. Kaliaipur, Kanpur (Kanpur, U.P.)	Cold rolled closed annealed box strappings ... 6,000 Cold rolled light narrow strips, (width 50 mm to 200 mm) (thickness 0.3 mm to 6 mm) ... 3,600 Mild steel hot rolled strips (width—10 mm to 150 mm) (thickness—0.8 mm to 5 mm) [N U] ... 7,800	annual capacity L/1 A (7) N 280/62 20-11-62
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and their Derivatives		
North Golakdih Colliery Co., North Golakdih Colliery P.O. Baliapur, Dist. Dhanbad (Baliapur, Dist. Dhanbad, Bihar)	Coal—[C O B] ...	tons p. a. L/2 (1) N 77/62 19-11-62
National Coal Development Corporation Ltd., Darbhanga House, Ranchi P.O. Korba, Dist. Bilaspur, Madhya Pradesh)	do [N U] ...	6,00,000 L/2 (1) N 78/62 19-11-62
National Coal Development Corporation Ltd., Darbhanga House", Ranchi P.O. Berno, Thana Berno, Dist. Hazaribagh, Bihar)	do do ...	million 0.5 L/2 (1) N 79/62 22-11-62
National Coal Development Corporation Ltd., Darbhanga House", Ranchi (P.O. Sayal, Dist. Hazaribagh, Bihar)	do do ...	5,04,000 L/2 (1) N 80/62 22-11-62
Schd. Ind. No. 5 (1)—Equipment for Generation, Transmission and Distribution of Electricity including Transformers.		
Transformer & Switchgear Ltd., 4, Second Main Road, Gandhinagar, Adyar, Madras-20 Madras, Madras State)	Power & distribution trans- formers—[S E] ...	KVA p. a. L/3 (1) 73 EEI 62 25-10-62
Schd. Ind. No. 11—Earth Moving Machinery.		
Asia Works Private Ltd., 15, Factory Area, Patiala Patiala, Punjab)	Tar boilers 250 ... Patch up repair unit ... Sheep foot tamping rollers ... Concrete mixers 5/3 cft. ... do do 10/7 cft. ... [N U]	gallons Nos. p. a. L/11 (2) IEI/A 62 17-11-62

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Schd. Ind. No. 15 (2)—Indicating, Recording and Regulating Devices for Pressure Temperature, Rate of Flow, Weights, Levels and the like.		
Shri T.P.G. Nambiar, C/o. Universal Refrigeration Corporation, 11, Bank Street, Fort, Bombay-1 Proposed name: British Physical Laboratory India Private Ltd., Ernakulam (Cochin, Kerala)	Moving coil and moving iron and hermetically sealed type electrical mea- suring instru- ments Transistorised insulation tester Transistorised PH meters [N U]	Annual installed capacity (in Nos.) 1st 2nd 3rd year year year L/15 (2) 3/IEE1/62 16-11-62 11,250 15,250 16,750 1,000 2,000 4,000 75 150 300
Schd. Ind. No. 18 (1)—Inorganic Fertilisers		
Premier Fertilizers Ltd., P.B. No. 2712, 150-A, Mount Road, Madras-2 (Cuddalore, Madras)	Granulated mixed fertilizers [N A]	tons p. a. L/19 (1) 3/62 Parts 13 60,000 12-11-62
Schd. Ind. No. 19 (3)—Fine Chemicals including Photographic Chemicals		
Shri Satyadev Mayor, Managing Director, Satyadev Chemicals (Private) Ltd., P.B. No 101, Pratapnagar Road, Baroda (Baroda, Gujarat)	Hydroquinone after expansion [S E]	Kgs. p. a. L/19 (3) 3/62 Ch II 60,000 12-11-62

(Contd.)

Steel Boxes

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EAST RAJA STREET :: PENNADAM [S. A. Dt.]

(Contd.)

Name and full address of the undertaking and location	Articles of manufacture ; capacity and type of licence	Licence number and date
Schd. Ind. No. 19 (5)—Paints, Varnishes and Enamels		
The Enamelled Wires (Private) Ltd., 403, Commerce House, Meadows Street, Fort, Bombay-1 (Notivali Baug, Kalyan, Bombay, Maharashtra)	Enamels—[N A] ... tons p. a. 60	L/19 (5) 5/62 Ch II 8-11-62
Titan Paint & Varnish Co. Ltd., Podanur S. Ry.) (Tahsil Saidapet, Dist. Chingleput, Thiruvottiyur High Road, Madras)	Industrial finishes ... 1,000 Paints ... 1,000 Varnishes—[N U] (Kilo litres) 135	L/19 (5) 6/62 Ch II 8-11-62
Bansidhar Premsukhdass Oil Mills, Maithan, Agra (Agra, U.P.)	Paint & enamels ... tons p. a. 300 Varnishes—[N A] ... gallons p. a. 45,000	L/19 (5) 7/62 Ch II 12-11-62
Schd. Ind. No. 19 (14)—Miscellaneous Chemicals		
Mansinh Ramdas and A.N. Kotibhaskar, 187, Dr Dadabhoy Naoraji Road, Bombay-1 (Bombay, Maharashtra)	Compounded chemicals for electroplating ... tons p. a. 600 Polishing wheels, mops & hobs [N U] Nos p. a. 18,000	L/19 (14) 6/62 Ch II 12-11-62
Schd. Ind. No. 23 (1)—Cotton Textiles		
The National Sewing Thread Co. Ltd., No. 11, Venugopala Pillai Road, Chidambaram (Chidambaram, Madras)	Spindles for the manufacture of cotton sewing thread yarn [S E] 6,000	L/23 (1) 477 Tex (B) 62 12-11-62
Bijli Cotton Mills (Private) Ltd., Mendu Road, Hathras (Hathras, U.P.)	16 Tape newar looms for the manufacture of cotton tapes and newars—[S E]	L/23 (1) 477/62 Tex (B) 21-11-62

DECEMBER 1962

Schd. Ind. No. 1 A (7)—Other Products of Iron and Steel

Nathani Steel Yard, 'Scrap House', Quay Street, Darukhana, Bombay-10 (Bombay, Maharashtra)	M. S. Profiles on the basis of maximum utilisation of capital equipment—[C O B] ... tons p. a. 250	L/1 A (7) 66/62 EI (M) 29-10-62
Devidas Mohandas, 7, Bharat Mahal, 86, Marine Drive, Bombay-2 (Thana, Maharashtra)	Coil springs of all types [N U] ... 600	L/1 A (7) 2 EEI 62 15-11-62
Dr. C. A. Mehta, Maheshwari Mansion, 34, Napean Sea Road, Bombay-6 Proposed name : Industrial Steels Ltd., Bombay (Bombay, Maharashtra)	Cold rolled tool and alloy steel strips ... 5,000 Stainless steel cold rolled strips—[N U] ... 1,000	L/1 A (7) N 281/62 23-11-62

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IND-COM JOURNAL

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Name and full address of the undertaking and location	Articles of manufacture ; capacity and type of licence	Licence number and date
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and their Derivatives		
National Coal Development Corporation Ltd., "Darbhanga House", Ranchi, Kotma, Dist. Sahdol, Madhya Pradesh)	Coal—[N U] ... tons p. a. 10,80,000	L/2 (1) N 81/62 28-11-62
National Coal Development Corporation Ltd., "Darbhanga House", Ranchi (Kot-ghora, Dist. Bilaspur, Madhya Pradesh)	do do ... 11,04,000	L/2 (1) N 82/62 27-11-62
National Coal Development Corporation Ltd., "Darbhanga House", Ranchi (Dera Colliery, Dist. Dhenkanal, Orissa)	do do ... 10,20,000	L/2 (1) N 83/62 28-11-62
National Coal Development Corporation Ltd., "Darbhanga House", Ranchi (Jarangdih Colliery, Dist. Hazaribagh, Bihar)	do do ... 2,00,000	L/2 (1) N 85/62 28-11-62
Parasea Collieries Ltd., 25, Netaji Subhas Road, Calcutta-1 (Dist. Burdwan, West Bengal)	year annual capacity tons Coal 1st phase 1963 ... 3,30,000 do 2nd phase 1964 ... 3,51,000 do 3rd phase 1965 ... 4,75,000 do 4th phase 1966 and onwards [S E] ... 4,80,000	L/2 (1) N 87/62 24-11-62

(Contd.)

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Thanga Vilas Tobacco Factory,
KUMBAKONAM.

APRIL-JUNE 1963

XIX

(Contd.)

Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Schd. Ind. No. 12 (2)—Hand Tools, Small Tools and the like		
Grauer & Weil (India) Ltd., 29, Fort Street, Bombay-1 Bombay, Maharashtra)	Mops and polishing wheels [C O B]	Nos. p. a. L/12 (2) 70 MEI 62 20,000 15-11-62
Schd. Ind. No. 15 (2)—Indicating, Recording and Regulating Devices for Pressure Temperature, Rate of Flow, Weights, Levels and the like		
Shri G. C. Patel, Patel Colony, Bharucha Road, Dahisar East, Bombay-68 (Bombay, Maharashtra) Proposed name : India Electric Instruments Private Ltd	Moving iron instruments like ammeters, voltmeters etc. Moving coil instruments like ammeters, voltmeters etc. (both types taken together) [N U]	instrument p. a. L/15 (2) 2 IEI 62 48,000 16-11-62
Schd. Ind. No. 19 (1)—Inorganic Heavy Chemicals		
Purushottamlal Jhunjhunwala, 59, Apollo Street, Fort, Bombay (Thana, Maharashtra)	Potassium chloride Magnesium sulphate—[N U]...	tons p. a. L/19 (1) 80 NU/Ch 1/62 1,800 2-11-62 6,000
Roberts McLean & Co. Ltd., 2, Brabourne Road, Calcutta-1 (Jamnagar or Porbandar, Gujarat)	K C L ... Magnesia ... Gypsum—[N U] ...	... 900 L/19 (1) 81 NU/Ch 1/62 ... 600 2-11-62 ... 2,100
Sharamji Morarji Chemical Co. Ltd., Prospect Chamber, 17, 21, Dr. Dadabhoy Naoroji Road, Bombay-1 (Kumhari, Madhya Pradesh)	Name of article Present capacity (annual) tons Expansion envisaged tons Total annual capacity after expansion tons	L/19 (1) 82 SE/Ch 1/62 13-11-62
	Alumina Sulphate 3,300 13,200 16,500 [S E]	
Schd. Ind. No. 19 (3)—Fine Chemicals including Photographic Chemicals		
Roberts, McLean & Co. Ltd., 2, Brabourne Road, Calcutta [Alwaye, Kerala]	Phenyl acetic acid ... acetamide ... Benzyl Acetate ... alcohol ... Benzaldehyde as bye products Ammonium chloride as bye products ... [N U]	annual capacity tons L/19 (3) 10/62 Ch II 60 12-11-62 24 84 24 48 70
Shri S. C. Banta, Vice President, Vick Products Inc., Queens Mansion, Bastion Road, Bombay-1 [Poona, Maharashtra] Proposed name : Richardson Chemicals Ltd., Bombay	From locally grown mentha arvensis Annual capacity lbs. Menthol ... 3 24 000 Dementholised peppermint oil 3,24 000 Pharmaceutical products: Tablets ... 46.1 million Lozenges ... 1 68 000 Kgs. Liquids ... 5 30,000 lbs. Powders ... 35,000 Kgs. Ointment & cream ... 2 46,000 Nos. Ampoules—[N U] ... 40,000	L/19 (3) 11/62 Ch II 17-11-62

(Contd.)

(Contd.)

Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Schd. Ind. No. 19 (12)—Textile Auxiliaries		
Machinery Paints & Chemicals (India) Ltd., 221, Dadabhoy Naoroji Road, Fort, Bombay-1, [Bombay, Maharashtra]	Textile auxiliaries—[N A]	tons p. a. L/19 (12) 2/62 Ch II 600 12-11-62
Schd. Ind. No. 23 (2)—Textiles made wholly or in part of Jute, including Jute, Twine and Rope		
Juggilal Kamapat Jute Mills Co. Ltd., Kamla Tower, Kanpur, [West Bengal]	Wide hessian (carpet backing cloth) 20 broad looms for producing—[S E]	tons p. a. L/23 (2) 46 Tex D 62 2,100 24-11-62
The Megna Mills Co. Ltd., 16, Strand Road, Calcutta [West Bengal]	Wide hessian (carpet backing cloth—18 Broadlooms for producing—[S E]	L/23 (2) 47 Tex D 62 1,920 24-11-62
Schd. Ind. No. 26 (2)—Other Products of Fermentation Industries		
Dyer Meakin Breweries Ltd., Solan Brewery [Mohan Nagar, Ghaziabad, U. P.]	Apple cider within the over-all capacity already licenced for beer manufacture—[N A]	gallons p. a. L/26 (2) 2/62 Ch II 60,000 12-11-62
Schd. Ind. No. 1 A (3)—Iron, Steel Castings and Forgings		
Textile Corporation, 354, Sardar Vallabhai Road, Ahmedabad (Ahmedabad, Gujarat)	Steel castings—[N U]	tons p. a. L/1 (3) 80/62 EI [M] 3,000 6-11-62
Textool Co. Ltd., Ganapathy P.O., Coimbatore-6 (Coimbatore, Madras)	Spheroidal graphite castings—[N A]...	iron L/1 A (3) 2 FEI 62 1,008 16-11-62

(Contd.)

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APRIL-JUNE 1963

(Contd.)

Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Schd. Ind. No. 1 A (7)—Other Products of Iron and Steel		
Conventry & Engineering Co. Private Ltd., 67-B, Netaji Subhash Road, Calcutta-1 (Howrah, West Bengal)	Coir springs for railways ... 2,400 Coir springs for automobiles, tractors & trailers and other type of coil springs—[N U] 300	L/1 A (7) 3 EEI 62 16-11-62
Jessop & Co. Ltd., 63, Netaji Subhas Road, Calcutta (Calcutta, West Bengal)	Coil springs for railways ... 735 Leaf spring for railways—[N A] 2,358	L/1 A (7) 4 EEI 62 16-11-62
Schd. Ind. No. 1 B (1)—Non-Ferrous Metals and Alloys		
Electric Control Gear Manufacturing Co., New Cotton No. 1, Mill Compound Kankaria Road, Ahmedabad-1 (Ahmedabad, Gujarat)	Electrolytic copper wire bars on the basis of maximum plant utilisation ... 60 Refined silver bars on the basis of maximum plant utilization—[N A] ... 700	L/1 B (1) 22/62 Met 4-12-26
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and their Derivatives		
National Coal Development Corporation Ltd., Darbhanga House, Ranchi (Kurasia Colliery, Dist. Surguja, Madhya Pradesh)	Coal—[N U] ... 5,52,000	L/2 (1) N 84/62 28-11-62
National Coal Development Corporation Ltd., Darbhanga House, Ranchi (South Balanda Colliery near Talcher, Orissa)	do do ... 60,000	L/2 (1) N 86/62 30-11-62
Shri Varjang Moolji, Khas Jharla Dobary Colliery P.O. Jharla, Dist. Dhanbad (Bihar) (Mouza Dobary, Dist. Dhanbad, Bihar)	do [C O B] ... 15,000	L/2 (1) N 88/62 30-11-62
Hind Shippers Private Ltd., 135, Canning Street, Calcutta (Bansjora, Dist. Dhanbad, Bihar)	do do ... 1,58,500	L/2 (1) N 89/62 30-11-62
Shri Nandlal M. Shah, North Kessargarh Colliery, P.O. Nowagarah, Dist. Dhanbad (Mouza Durma, Chak Pinalgori, Bihar)	do do ... 18,000	L/2 (1) N 90/62 30-11-62
Shree Annapurna Rice & Oil Mills, P.O. Dubrajpur, Birbhum Proposed name: South East Badjna Colliery (Mouza-Nirsha, Thana-Nirsha, Pargana-Pandra, Dist. Dhanbad, Bihar)	do [N U] ... 30,000	L/2 (1) N 91/62 30-11-32

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Bharat Mining Corporation Ltd., 9, Old Court House Street, Calcutta-1 (Mouza Babisole, Dist. Burdwan, West Bengal)	Coal—[N U] ... 76,000	L/2 (1) N92/62 30-11-62
Shri Ramlal Agarwalla, New Dobary Colliery, P.O. Jharla, Dist. Dhanbad (Mouza Verakata, Dist. Dhanbad, Bihar)	do [C O B] ... 10,000	L/2 (1) N 93/62 30-11-62
Banga Lakshmi Coal Co P.O. Mugma, Dist. Dhanbad, (Pargana Pandra, Dist. Dhanbad, Bihar)	do do ... 15,500	L/2 (1) N 94/62 30-11-62
South Govindpur Colliery, P.O. Katrasgarh, Dist. Dhanbad (Dist. Dhanbad, Bihar)	do do ... 33,300	L/2 (1) N 95/62 30-11-62

(Contd.)

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Grams: EMGISHA

M. G. SHAHANI & Co. (Bom) Private Ltd.,

(P. B. No. 1956)

I, BUNDER STREET.

MADRAS-1

City Sales Office: **289, N. S. C. Bose Road,**
(Facing Stringers St., Madras-1.)

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(Contd.)

Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Selected Laikdih Colliery, P.O. Gobindpur, Dist. Dhanbad (P. S. Nirshah, Dist. Dhanbad, Bihar)	Coal—[C O B] ... 30,000	L/2 (1) N 96/62 30-11-62
Vindhya Collieries Private Ltd., 18, Netaji Subhas Road, Calcutta-1 (Villages Bangawan and Domarkachhar Madhya Pradesh)	do [N U] ... 18,446	L/2 (1) N-97/62 30-11-62
National Coal Development Corporation Ltd., "Darbhanga House" Ranchi (Madhya Pradesh)	do do ... million 0.72	L/2 (1) N-98/62 30-11-62
National Coal Development Corporation Ltd., "Darbhanga House", Ranchi (Dist. Nagpur, Maharashtra)	do do ... lakhs 12	L/2 (1) N-99/62 30-11-62
Selected Salanpur Colliery Co. P.O. Katrasgarh, Dist. Dhanbad, (Dhanbad, Bihar)	do [C O B] ... 4,363	L/2 (1) N-100/62 30-11-62
Schd. Ind. No. 5 (4)—Electrical Lamps		
Best & Co. Private Ltd., 13/15, North Beach Road, Post Box No. 63, Madras-1 (Madras)	Carbon slabs and rods ... kgms. p. a. 60,000 Cinema arc carbons—capacity to be fixed—[N A]	L/5 (4) 39/1EEI/62 27-11-62
Shri S.R.P. Ponnuswamy Chetty, 'Ram Prakash' Periaswami Road, R. S. Puram, Coimbatore-2 [Madras]	Cinema arc carbons—[N U] ... million pairs p. a. 3	L/5 (4) 40/1EEI/62 26-11-62
Schd. Ind. No. 8 (A-1)—Textile Machinery		
Hukamchand Mills Ltd., Indore [Indore, Madhya Pradesh]	Cotton healds ... dozens 9,600 Steel Reads—[N A] ... 2,304	L/8 A 1/39/62 MEI 24-11-62
Schd. Ind. No. 22—Drugs and Pharmaceuticals		
Hoechat Pharmaceuticals Ltd., Dugal House, Backbay Reclamation, Post Box No. 273, Bombay, [Bombay, Maharashtra]	Procaine Hydrochloride ... kgs. p. a. 40,000 Benzocaine B.P. ... 1,200 Para-amino benzoic acid—[S E] 1,200	L/22/139/62-Ch. III 29-11-62
Schd. Ind. No. 26 (1)—Alcohol		
The Kodinar Khand Udyog Khedut Sahakari Mandli Ltd., R. No. G. 276 [Amreli Dist.] Kodinar [Kodinar, Gujarat]	Rectified spirit—[N A] ... gallons p. a. 4,00,000	L/26 (1) 7/62 Ch. II 30-11-62
Schd. Ind. No. 28 (1)—Vegetable Oils, including Solvent Extracted Oils		
Bramhappa Tavanappanavar [Mysore] Private Ltd., Post Box No. 22, Mysore [Madras]	Present installed capacity tons per month Expansion envisaged tons per month Total capacity tons per month	L/28 (1) 9/62 Ch. II 17-11-62
	Groundnut oil 225 [S E] 275 500	

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Himalayan Exporters 5/22-B, Roop Nagar, Delhi-6 [Dehra-Dun, Uttar Pradesh]	Oil from rice bran by solvent extraction process—[N U] ... tons p. a. 5,000	L/28 (1) 18/62 Ch. II 21-11-62
Dr. M. S. Patel, M.Sc., Ph. D. [Cornell], Consulting Industrial Chemist, Santa Cruz, Bombay-54 [Quilon, Kerala]	Cashewnut shell liquid or cashewnut shell oil ... Metric tons p. a. 3,000 [on the basis of 300 working days in a year]—[N U]	L/28 (1) 19/62 Ch. II 20-11-62
Schd. Ind. No. 34 (6)—Insulators		
Andhra Pradesh Industrial Development Corporation Ltd., Nizam Sugar Factory Building, Fateh Maidan Road, Hyderabad-1 [Hyderabad, Andhra Pradesh]	High tension insulators ... tons p. a. 1,920 Low tension insulators—[N U] 408	L/34 (6) 85/62 Ch. IV 26-11-62
Schd. Ind. No. 35 (1)—Portland Cement		
Government of Orissa, Industries Department, Bhubaneswar, Proposed Name: Industrial Development Corporation of Orissa Ltd., [Sambalpur Dist. Orissa]	Portland cement—[NU] ... tons p. a. 3,96,000	L/35 (1) 20/62 Cement 4-12-62
Schd. Ind. No. 1 A (7)—Other Products of Iron & Steel.		
Macneill & Barry Ltd., 2, Fairlie Place, Calcutta-1 (West Bengal)	Wire ropes—[N U] ... tons p. a. 3,000	L/1 A (7) 59/62-EI (M) 20-9-62
Schd. Ind. No. 2 (2)—Mineral Oil (Crude Oil), Motor and Aviation Spirit, Diesel Oil, Kerosene Oil, Fuel Oil, Diverse Hydrocarbon Oils, and their blends including Synthetic Fuels, Lubricating Oils & the like.		
Caltex Oil Refining (India) Ltd., Caltex House, 8, Ballard Road, Ballard Estate, Bombay-1 (Visakhapatnam, Andhra Pradesh)	Petroleum naphtha ... metric tons p. a. 5,400 Liquid petroleum gas—[N A] 2,400	L/2 (2) N-10/62 11-12-62
Schd. Ind. No. 5 (8)—Electronic Equipment		
Philips India Ltd., 3/1, Asaf Ali Road, New Delhi (Bombay, Maharashtra)	Electronic service measuring instruments and D.C. voltage units [same installed capacity as specified in the licence No. L/5[8]/1/EEI/60 dt. 6th October, 1960] [Shifting from Loni to Bombay in Maharashtra State]	L/5 (8) 9 LEEI 62 7-12-62
Schd. Ind. No. 9—Machine Tools		
Bhar Industries Ltd., Sir Vithaldas Chambers, 16, Apollo Street, Bombay-1 (Baroda, Gujarat)	Injection moulding machines... [N U] ... Nos. p. a. 100	L/9/96 MEI 62 19-10-62

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Name and full address of the undertaking and location	Articles of manufacture ; capacity and type of licence	Licence number and date
Schd. Ind. No. 12 (2)—Hand Tools, Small Tools and the like		
Rattanchand Harjasrai (Plastics) Private Ltd., 54, Industrial Area, Faridabad (Faridabad, Punjab)	Plastic moulding tools—[S E] Nos. p. a. 192	L/12 (2) 80/62 7-12-62
Schd. Ind. No. 22—Drugs and Pharmaceuticals		
Boehringer Knoll Ltd., 21, Ravelin Street, Bombay-1 (Bombay, Maharashtra)	Ephedrine B. P.—[S E] ... tons p. a. 18	L/22/140/62 Ch. III 3 12-62
Benger Laboratories (India) Ltd., Mercantile Buildings, Lali Bazar, Calcutta-1 (West Bengal)	Hyalase—[S E] ... units p. a. 1,80,000	L/22/141/62-Ch. III 12-12-62
Schd. Ind. No. 23 (1)—Cotton Textiles		
Government of West Bengal, Commerce & Industries Department, Calcutta (West Bengal)	Spindles for the manufacture of cotton yarn—[N U] ... 25,000	L/23 (1) 479/62 Tex (B) 27-11-62
Sarvaraya Textiles Ltd., Beach Road, Kakinada (Vizianagram, Dist. Visakhapatnam, Andhra Pradesh)	do do ... 12,000	L/23 (1) 480/Tex (B) 62 11-12-62
Visnagar Co-operative Spinning Mills Ltd., Darbar Road, Visnagar, Dist. Mehoana, (Gujarat)	do do ... 12,000	L/23 (1) 481 Tex (B) 62 11-12-62
Schd. Ind. No. 25—Sugar		
Kallakurichi Co-operative Sugar Mills Ltd., 52, Gandhi Road, Kallakurichi, S. A. Dist. (Moongilthuraipattai Village, Kallakurichi Taluk, Dist. South Arcot, Madras)	Sugarcane [crushing capacity ... [N U] ... 1,000	L/25 N-8 1/2/62 7-12-62
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and other Derivatives		
The Singareni Collieries, Meter Manzil, Red Hills, Hyderabad (Andhra Pradesh)	Coal—[S E] ... million tons p. a. 2.65	L/2 (1) N-101/62 15-12-62
Central Kurkend Coal Co. Ltd., 9, Old Court House Street, Calcutta (Dist. Dhanbad Bihar)	do [C O B] ... 50,000	L/2 (1) N-102/62 15-12-62
Golden Jeenagora Colliery Co., 14, Dentinck Street, Calcutta (Mouza Sulunga, Dist. Dhanbad, Bihar)	do do ... 66,700	L/2 (1) N-103/62 15 12 62
Kuya Colliery Co., P.O. Jharla, Dist. Dhanbad (Mouza Kuya, Pargana Jharla Dist. Dhanbad Bihar)	do do ... 23,660	L/2 (1) N-104/62 15 12-62

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Name and full address of the undertaking and location	Articles of manufacture ; capacity and type of licence	Licence number and date
Oriental Coal Co., P.O. Kumardhubi Dist. Dhanbad (Mouza Kapasana, Dist. Dhanbad, Bihar)	Coal—[C O B] ... tons p. a. 30,000	L/2 1) N-105/62 15-12-62
Shri Om Prakash Agarwala, Agarwala Mining Co. (Private) Ltd., P.O. Jharla, Dist. Dhanbad (Mouza Bastscolla Dist. Dhanbad, Bihar)	do do ... 19,000	L/2 (1) N-106/62 15-12-62
Sahai Brothers, North Salanpur Colliery P.O. Katrasgarh Dist. Dhanbad (Mouza Salanpur Dist. Dhanbad Bihar)	do do ... 36,500	L/2 (1) N-107/62 15-12-62
Khaskuya Colliery Co. P.O. Jharla, Dist. Dhanbad (Mouza Kuya, Dist. Dhanbad, Bihar)	do do ... 23,000	L/2 (1) N-108/62 15-12-62
East Ramnagar Colliery, P.O. Salanpur, Dist. Burdwan (Dist. Burdwan, West Bengal)	do do ... 4,600	L/2 (1) N-109/62 15-12-62
Shri A. B. Acharjee, North East Salanpur Colliery, P.O. Samdi, Dist. Burdwan (Samdi, Dist. Burdwan, West Bengal)	do do ... 50,000	L/2 (1) N-110/62 15-12-62
Schd. Ind. No. 6 (4)—Radio Receivers including Amplifying and Public Address Equipment		
M.R. Industries Ltd., Dr. Shirodkar Road, Opp. Hospital Avenue, Parel, Bombay-12 (Thana-Maharashtra)	Radio receivers [Shifting from Parel to Thana]	L/6 (4) 49 LEEI 62 10-12 62
Schd. Ind. No. 22—Drugs and Pharmaceuticals		
Unichem Laboratories, 22, Bhulabhai Desai Road, Bombay-26 (Bombay, Maharashtra)	Acetamido benzaldehyde theosemicarbazone—[S E] ... kgs. p. a. 6,000	L/22/142 Ch. III 62 12-12-62
N.B. Vakil & C. C. Desai, C/o. Little & Company, Central Bank Building, Bombay-1 (Andhra Pradesh) Proposed name : M/s. Warner-Hindustan Ltd.	Annual capacity tons Beta picoline ... 50 Pyridine ... 72.5 Heavy bases ... 45.5 Alpha picoline ... 118 Gamma picoline ... 127 Isonicotinic acid hydrazide Nicotinic acid amide ... 50	L/22 143 Ch. III 62 14-12-62

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
<i>Formulation:</i> The industrial undertaking may manufacture formulations for the same capacities as at present being carried on by M/s. Warner Lambert Pharmaceuticals Company of U.S.A. under licence arrangements with firms in India on condition that no additional foreign exchange will be made available for such activity. —[N U]		
Deys Medical Stores (Manufacturing) Private Ltd., 6-D, Lindsay Street, Calcutta-16 (Calcutta, West Bengal)	Liver salts ... (in 6 gm. Packs and bottles of 114 and 228 grams)—[N A]	Tons p. a. ... 94.5 L/22,144 Ch. III 62 17-12-62
Schd. Ind. No. 23 (1)—Cotton Textiles		
The Davangere Cotton Mills Ltd., Chitradurga Road, Davangere (Davangere, Mysore)	Plain looms (By transfer from their Gadag unit)—[S E]	218 L/23 (1) 478 Tex (B) 62 26-11-62
J & P Coats (India) Private Ltd., Koratti (Koratti, Kerala)	Spindles for the manufacture of cotton yarn—[S E]	9,936 L/23 (1) 483 Tex (B) 62 14-12-62
Schd. Ind. No. 28 (1)—Vegetable Oils, including Solvent Extracted Oils		
Shri Thakorbhai C. Shah, 16-18, Champa Gally Cross Lane, Bombay-2 (Between Broach, Baroda, Gujarat)	Cotton seed oil—[N U]	Tons of cotton seed p. a. ... 20,000 L/28 (1) 21/62 Ch. II 12-12-62
Schd. Ind. No. 1 A (7)—Other Products of Iron and Steel		
J.B. Advani-Oerlikon Electrodes (Private) Ltd., Radio House, 6, Rampart Row, Fort, Bombay-1 (Raipur-Madhya Pradesh)	Electrode core wire—[N A]	Tons p. a. ... 1,500 L/1A (7) N-282/62 7-12-62
J.B. Advani-Oerlikon Electrodes (Private) Ltd., Radio House, 6, Rampart Row, Fort, Bombay-1 (Bhandup, Bombay, Maharashtra)	do do do	1,500 L/1A (7) N-283/62 7-12-62
Schd. Ind. No. 2 (1)—Coal, Lignite, Coke and other Derivatives		
B. Hazra & Co., P.O. Samdi, via Sitarampur, Dist. Burdwan (Pandra, Dist. Burdwan, West Bengal)	Coal—[C O B]	Tons p. a. ... 34,000 L/2 (1) N-111/62 22-12-62
Shri Dina Nath Agarwalla, The North Bhagatdih Colliery, P.O. Jharua, Dist. Dhanbad (Dhansar, Dist. Dhanbad, Bihar)	do do	28,500 L/2 (1) N-112/62 22-12-62

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Name and full address of the undertaking and location	Articles of manufacture; capacity and type of licence	Licence number and date
Gangji Dossa & Sons, North Kujama Colliery, P.O. Jharua, Dist. Dhanbad, (Kujama, Dist. Dhanbad Bihar)	Coal—[C O B]	tons p. a. ... 30,500 L/2 (1) N-113/62 22-12-62
Shri Ram Lal Agarwalla, M/s. North Ghanuadih Colliery, P.O. Jharua, Dist. Dhanbad (Dist. Dhanbad, Bihar)	do do	25,000 L/2 (1) N-114/62 22-12-62
Merah Colliery, P.O. Chirkunda, Dist. Dhanbad (Mouzas Merah and Barmuri, Bihar)	Coal—[N U]	66,000 L/2 (1) N-115/62 22-12-62
The Bhulanbararee Coal Co. Ltd., India Exchange, Calcutta (Bhulanbararee, Dist. Dhanbad-Bihar)	Coal—[C O B]	1,32,000 L/2 (1) N-116/62 22-12-62
Schd. Ind. No. 5 (6)—Electrical Cables and Wires		
India Wire & General Mills (Private) Ltd., No. 536/40 Gali Bazazan, Sadar Bazar, Delhi (Delhi-Delhi State)	Enamel covered copper wires Paper, cotton covered wires & strips—[N A]	tons p. a. ... 120 180 L/5 (6) 44 LEEI/62 24-12-62
Schd. Ind. No. 11—Earth-Moving Machinery		
Paramount-Industrial Stores, 15, Ropewalk Street, Forbes Street, Bombay-1 (Bombay-Maharashtra)	Vibrators all sizes Concrete mixers—5/3½ cft. do do —7/5 cft. do do —10/7 cft. do do —14/10 cft. do do —7/5 cft. Roller pan mixers Tar builders Builders hoist of 104 Builders hoists Builders cranes Heavy structurals	Nos. ... 360 120 300 60 120 72 48 120 60 120 3,000 [N U] Capacity p. a. L/11-3/62-LEI (A) 30-11-62
Schd. Ind. No. 15 (2)—Indicating, Recording and Regulating Devices for Pressure Temperature, Rate of Flow, Weights, Levels and the like.		
Philips India Ltd., 3/1, Asaf Ali Road, New Delhi (Bombay-Maharashtra)	Industrial measuring, indicating and control instruments (Electronics) (Shifting from Loni to Bombay)	L/15 (2) 4 LEEI/62 20-12-62
Schd. Ind. No. 23 (1)—Cotton Textiles made wholly or in part of Cotton, including Cotton Yarn, Hosiery and Rope.		
The Somasundaram Mills (Private) Ltd., (Ramanathapuram Dist. Madras)	Spindles Looms (This capacity shall be transferred out of the registered capacity of Somasundaram Mills Pvt. Ltd., Coimbatore (Shifting))	16,000 382 L/23 (1) 484/Tex (B) 62 21-12-62

(Contd.)

(Contd.)

Name and full address of the undertaking and location	Articles of manufacture : capacity and type of licence		Licence number and date
Shree R. Jeevarathanam, Officers' Line, 14/2, Krishna Nagar, Vellore (Vellore Dist. North Arcot, Madras)	Spindles—[N U]	... 12,000	L/23 (1) 485 Tex (B) 62 21-12-62
The Madurai Co-operative Spinning Mills Ltd., (Madurai-Madras)	do do	... 12,000	L/23 (1) 486 Tex (B) 62 21-12-62
The Tiruchirapalli District, Co-operative Spinning Mills Ltd., Thotta Kurichi (Tiruchirapalli-Madras)	do do	... 12,000	L/23 (1) 488 Tex (B) 62 21-12-62
Shri G. Karuppiah Moopanar, Chief Promoter, Sundaraperumal Koil, Tanjore District, (Mayuram, Thanjavur Dist. Madras)	do do	... 12,000	L/23 (1) 489 Tex (B) 62 21-12-62
Shri S. K. Sambandam, Chief Promoter, Kurinjipadi, South Arcot Dist. (South Arcot-Madras) Proposed name : South Arcot Dist. Co-operative Spinning Mills	do do	... 12,000	L/23 (1) 490 Tex (B) 62 21-12-62
M/s Viswam Mills, Suriyampalayam (Madras)	do do (Shifting from Erode to Suriyampalayam)	... 12,000	L/23 (1) 491 Tex (B) 62 21-12-62
Schd. Ind. No. 23 (3)—Made wholly or in part of Wool, including wool tops, Woollen yarn, Hosiery, Carpets and Druggets.			
Shri J. M. Navar, C/o M/s. Castle Mills No. 2, Agra Road, Thana, Bombay (Thana-Maharashtra)	Worsted yarn spindles (imported under a licence granted to their sister concern M/s. India Woollen Textile Mills (P) Ltd., Cheharatta.	... 1,440	L/23 (3) 14 Tex (D) 62 26-12-62
	Woollen Fabrics: powerlooms (Transferred from their sister concern M/s. Bombay Fine Worsted Manufacturers Castle Mills, Thana) [N U]	50	
Schd. Ind. No. 27 (4)—Flour			
Shri Behariji Mills Ltd., P.B. No. 625, Patna-8 (Patna-Bihar)	Atta, maida, suji and bran (in terms of wheat)—[C O B]	tons per month ... 1,650	L/27 (4) 4 62-Ch. II 26-11-62
Schd. Ind. No. 28 (1)—Vegetable Oils, including Solvent Extracted Oils.			
Bhavnagar Vegetable Products Ltd., P.B. No. 28, Bunder Road, Bhavnagar (Bhavnagar-Gujarat)	Name of article Present capacity tons per month Capacity after expansion tons per month		L/28 (1) 20/62-Ch. II 4-12-62
	Vegetable oil [S E]	1,244 1,534	
Schd. Ind. No. 33 (6)—Miscellaneous Ware (Glass)			
Pradip Lamp Works, P.O. Begumpur, Patna-9 (Begumpur-Bihar)	Glass tubes Glass shells—[S E]	million pieces ... 3-6 ... 15	L/33 (6) 8 62-Ch. II 29-11-62

XXX

IND-COM JOURNAL

APRIL-JUNE 1963

XXXI

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OF INDUSTRIES
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**STATEMENT SHOWING THE CHANGES IN THE NAMES OF THE
OWNERS / UNDERTAKINGS EFFECTED DURING OCTOBER—DECEMBER 1962**

OCTOBER 1962

<i>The name of the original owner/the original name of the undertaking</i>	<i>The name of new owner/the new name of undertaking</i>	<i>Licence No. and date</i>
Shri Ranadev Chaudhuri, Calcutta	Engil India Machines and Tools Ltd., Calcutta.	L/9 67 MEI 61 18-12-62 West Bengal
Nahata Brothers, Jodhpur	Jodhpur Woollen Mills Private Ltd., Jodhpur.	L/23 (3) N 4/58 26-5-58 Rajasthan
Autometers Private Ltd.	Autometers Ltd.	L/7 (5) 4/60 AEI 30-5-60 Punjab
do	do do	L/7 (5) 84/61 AEI 5-12-61 Punjab
Shri Gautam Majumdar	Shri Benoy Majumdar.	L/36 (1) N 6/57 31-10-57 West Bengal
Globe Motors Private Ltd.	Globe Motors Ltd.	L/1 A (3) N 54/59 15-10-59 Delhi
Cawnpore Tannery Ltd.	Prime Products Ltd.	L/7 (6) N 12/59 27-1-59 U. P.
Everest Industrial Corporation	Everest Cycles Ltd.	L/7 (6) N 9/58 26-7-58 Assam
Paper Products Ltd.	Roha Pulp and Paper Mills Ltd.	L/24 (1) N 42/60 12-5-60 Maharashtra
Delta Cycle Fitting Ltd.	Milton Cycle Industries Ltd.	L/7 (6) N 42/59 24-11-59 Punjab
Metro Cycle Components Ltd.	do do do	L/7 (6) N 41/59 21-10-59 Punjab
Victor Manufacturing Gasket-Company (India) Private Ltd.	Victor Gaskets India Ltd.	L/7 (5) 54/61 AEI 5-4-61 Maharashtra

(Contd.)

APRIL-JUNE 1963

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XXXIII

(Contd.)

The name of the original owner/the original name of the undertaking	The name of new owner/the new name of undertaking	Licence No. and date
Nogte Timber Co. Ltd.	Nogte Timber Co. Private Ltd.	L/36 (1) 38/61 Ch IV 13-11-61 Assam
Premier Motors Private Ltd.	Hind Auto Industries Ltd.	L/7 (5) 41/60 AEI 15-12-60 U. P.
Christersen Longyear (India) Private Ltd.	Christensen Longyear (India) Ltd.	L/12 (2) 3 MEI 60 6-4-60 Maharashtra
Girija & Co. (Foundry)	Girija Iron Foundry Private Ltd.	L/1 A (3) 109 MEI 61 11-4-61 West Bengal
Bangur Bros	Jayshree Chemicals Ltd.	L/19 (1) 31 NU Ch. (1) 61 6-2-61 West Bengal
The Mysore Iron & Steel Works	The Mysore Iron and Steel Ltd.	L/1 A (3) 103 MEI 61 28-3-61 Mysore
Kumar Iron & Steel Co. (Private) Ltd.	Kumar Iron and Steel Ltd.	L/1 (1) N 24/60 10-6-60 West Bengal
Dhrangadhra Chemicals Works Ltd.	Plastic Resins and Chemicals Ltd.	L/19 (1) 66 NA Ch (1) 62 28-7-62 Maharashtra
NOVEMBER 1962		
Shri C. C. Desai	Galileo Instruments Ltd.	L/15 (1) 5 EEI 60 6-10-60 Gujarat
Amin Chand Payare Lal	Apeejay Structurals Ltd.	L/1 A 4 N 50/60 17-3-60 West Bengal
Modern India Construction Co. Private Ltd.	Modern India Construction Co. Ltd.	L/8 (B 2) 39/62 MEI 26-9-62 West Bengal
Lyra Engineers Ludhiana	Taxi meters and Equipments Ltd.	L/7 (5) 9/62 AEI 9-4-62 Rajasthan
Shri Arvind Narottam	The Arvind Ceramics Ltd.	L/34 (6) 27/60 Ch IV 25-4-62 Gujarat
Shalimar Industries (Private) Ltd.	Shalimar Wires and Industries Ltd.	L/8 A 11 N 11/60 16-3-60 West Bengal
Ram Gopal Ramprasad (Private) Ltd.	Potassium Products.	L/19 (1) NU 11 Ch. (1) 60 3-8-60 Bombay

(Contd.)

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IND-COM JOURNAL

(Contd.)

The name of the original owner/the original name of the undertaking	The name of new owner/the new name of undertaking	Licence No. and date
Shri C.H. Bhaba	United Carbon India Ltd.	L/19 (1) 1/61 Ch IV 29-11-61 Bombay
Ranbaxy & Co. Private Ltd.	Lepetit Ranbaxy Laboratories Pvt. Ltd.	L/22 N 127/60 14-1-60 Delhi
do	do do do	L/22 (3) 60 A & I 25-10-60 Delhi
Shri Lakhmi Reiter Machine Works Ltd.	Lakhmi Reiter Machine Works Ltd.	L/8 A 1/38/61 MEI 22-9-62 Madras
International Equipment Corporation (Private) Ltd.	Glass Lined Equipment Co. Ltd.	L/8 A 9/24/61 MEI 1-8-61 Maharashtra
The Ahmedabad Victoria Iron Works Co. Ltd.	Shri Anubhai Nagindas Shah, Ahmedabad.	R 16/10—R 8 A 1/2 Gujarat
India Tap & Die Co. (Private) Ltd.	Bombay Cutting Tools Ltd.	L/12 (2) N 34/60 25-1-60 Maharashtra
do	do do	L/12 (2) 63/62 MEI 5-4-62 Maharashtra
Dhrangadhra Chemical Works Ltd.	Plastics Resins and Chemicals Ltd.	L/19 (4) 5/61 Ch II 12-6-61 Madras
Nanubhai Industries Private Ltd.	Nirlon Synthetic Fibres and Chemicals Private Ltd.	L/23 (5) N 100/58 12-12-58 Maharashtra
do	do do do	L/23 (5) N 199/60 15-7-60 Maharashtra
Wintex Mills Ltd., Surat	Wintex Mills, Surat.	L/23 (5) N 30 N/Tex (D) 62 24-9-62 Gujarat
Navbharat Potteries & Chemical Works Private Ltd.	Navbharat Potteries Pvt. Ltd.	L/34 (4) N 8/59 15-9-59 Maharashtra
Shri Natesar Spinning & Weaving Mills Private Ltd.	Sri K. Mathuvelappa Gounder S/o. Kupppanda Gounder Sri P. V. Ramaswamy Gounder S/o. Velappa Gounder Managing Directors	R 10 A 520—R 23 (1) 472 31-10-59 Maharashtra
Shree Mahalaxmi Cotton Mills	Gajraj Pannalai Ltd.	L/23 (1) 54 Tex (B) 60 27-10-60 West Bengal
do	do do	L/13 (1) 183 Tex (B) 61 19-12-61 West Bengal

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APRIL-JUNE 1963

XXXV

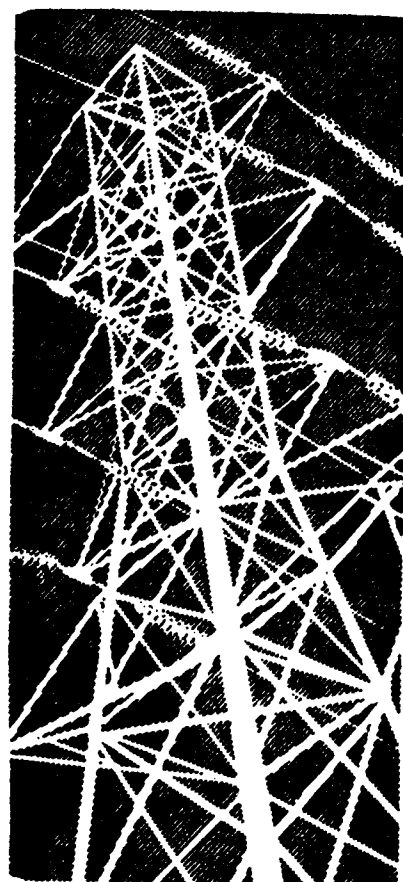
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<i>The name of the original owner/the original name of the undertaking</i>	<i>The name of new owner/the new name of undertaking</i>	<i>Licence No. and date</i>
R. R. Engineering Co. Ltd.	R. R. Steels & Alloys Ltd.	L/1 A (3) 56 MEI 60 5-10-60 U. P.
Moon Mills	Elphinstone Spg. & Wvg. Mills Co. Ltd.	L/10 (A) 82/54 17-4 54 Maharashtra
Cibatul Private Ltd.	Cibatul Ltd.	L/19 (4) N 24/59 22-10-59 Gujarat
Reichold Chemical India Private Ltd	Reichold Chemicals India Ltd.	L19/ (4) 4/60 Ch II 17-11 60 Madras
DECEMBER 1962		
International Equipment Corporation (Private) Ltd.	Hoisting Equipment Co. Ltd.	L/8 B (2) 22 MEI 61 29 11-61 Andhra Pradesh
India Cements Ltd.	Chemicals & Plastics India Ltd.	L/19 (4) (4) 61 Ch II 30-5 61 Madras
Lederle Laboratories (India) Ltd.	Cynamid India Ltd.	R 22/14 19-9-52 Maharashtra
do	do do	L/22 (22) 54 20 9-54 Maharashtra
do	do do	L/22 M 138/60 29-1-60 Maharashtra
do	do do	L/19 (11) 10/61 A & I 24-4-61 Maharashtra
Cherimeri Colliery Company	Seth Ramnath Kastur Chand Daga, Proprietor, Chirimire Colliery Co.	R/31/120—R/2 (1) 319 30-4-54 Madhya Pradesh
Eastern Structurals (Private) Ltd.	A. Stock and Company Private Ltd.	L/1 A (4) N 52/60 24-3 60 West Bengal
Indian Manufacturing Co. Ltd.	Damodhar Thackers Moolzee and Co.	R/10 A 356—R/23 (1) 327 31-5-54 Maharashtra
Indraprastha Steel Industries Ltd.	Indraprastha Steel Industries.	L/1 A (3) 11 MEI 15-7-60 Punjab
do	do do	L/1 A (3) 55/62 EIM 25-1-62 Punjab

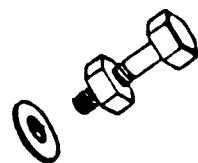
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<i>The name of the original owner/the original name of the undertaking</i>	<i>The name of new owner/the new name of undertaking</i>	<i>Licence No. and date</i>
Biharilal Ramcharan Cotton Mills Ltd.	<i>Name of undertaking</i> The Morarjee Galdas Spg. & Wvg. Co. Ltd. Mill No. 2. <i>Name and address of the owners</i> Piramal Sons Private Ltd. Soparibaug Road, Porel, Bombay-12.	R/10 (A) 109—R/23 (1) 101 31-5 54 Maharashtra
Bihar Cable & Wire Industries Ltd.	Mithila Iron & Steel Co. Ltd.	L/1 A (7) N 259/62 29-1-62 Bihar
Photophone Ruttonsha Private Ltd.	Photophone Equipments Ltd.	L/6 (4) N 35/60 4-1 60 Maharashtra
do	Mopeds India Ltd.	L/7 (5) 69/61 AEI 29-8-61 Andhra Pradesh
Bihar National Cotton Mills Ltd.	Magadh Textile Mills Ltd.	L/23 (1) 247 Tex B 4-4-62 Bihar
Surrendra Overseas (Private) Ltd.	Oriental Spun Pipe Company Ltd.	L/1 A (5) 10 MEI 60 12-8-60 Punjab
Crescent Agencies (Private) Ltd.	Calama Industries Ltd.	L/7 (5) 32 AEI 60 26-10-60 Maharashtra
Shree Krishna Gyanoday Sugar Ltd.	Guraru Chini Mills.	L/8 (14) 54—L/25 (8) 30-4-54 Bihar
Assam Jute Industries Ltd.	Pancharatna Industries Ltd., Goalpara.	L/23 (2) N 2 Tex (D) 61 28-8 61 Assam
The Coimbatore Oils & Fertilizers	Oils & Fertilizers.	L/28 (1) N 19/57 29-12-57 Madras
E Ruttonsha Private Ltd.	RI—Semikran Private Ltd.	L/5 (1) 14 EEI 60 10-10-60 Maharashtra (N A)
Ramchander Heera Lall	Shalimar Iron Works.	L/1 A (7) 2 LEI (B) 61 27-1-61 (S E)
Hindustan Magnets	General Magnets Ltd.	L/6 (4) N 44/60 1-7 60 West Bengal (N U)
Ramchander Heera Lall	Shalimar Iron Works.	L/28 (6) 56 15-11-56 West Bengal (COU)

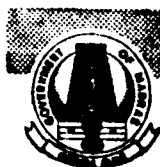


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LICENCES REVOKED DURING OCTOBER—DECEMBER 1962

OCTOBER 1962

Name of the industrial undertaking	Articles of manufacture	Licence No. and date
The Radhey Lal Steel Rolling Mills, Kanpur	Steel rolling mills and non-ferrous mills.	L/9 N 70/60 16-9-60 (N A) Kanpur, U. P.
Mysore Kirloskar Ltd., Yantarpur	Automatic lathes, precision measuring instruments.	L/9 65/60 31-5-60 (E S) Yantrapore, Mysore
Purnima & Co. Vrindaban	Cast iron pipes and cast iron castings.	L/1 A (5) N 21/59 22-10-59 (N U) Kanpur, U. P.
National Industrial Corporation, Bombay	Steel structurals.	L/1 A (7) 30 MEI/61 22-2-61 (N U) Maharashtra
The Northern Foundry (Pvt.) Ltd., New Delhi	Cast iron spun pipes	L/1 A (5) N 25/60 25-2-60 Ambala, Punjab
Shevaray Bauxite Products Co. Private Ltd., New Delhi	Synthetic emery grains.	L/8 C 3 N 4/59 13-11-59 (N U) Faridabad, Punjab
Dharap & Ogale, Bombay	Steel forgings and hand tools.	L/1 A (3) 37 MEI 60 5-9-60 (N U) Poona, Manarashtra
T. E. Thomson & Co. Ltd., Calcutta	Steel structurals including fabricated steel pipes.	L/1 A (7) 26 MEI 61 1 2 61 (N U) West Bengal
Shri G. Mangi Lal Surana, Secunderabad	Steel castings.	L/1 A (3) 20 MEI 60 2-8-60 (N U) Secundrabad, Andhra Pradesh
Bharat Techno Mechanical Industries Private Ltd., Navsari	Electric motors.	L/5 (2) N-22/59 21-2-59 (N A) Navsari, Gujrat
National Electrical Appliances Co., Calcutta	Fractional Horse Power motors.	L/5 (2) N 31/59 28-10-59 (N U) Behala, West Bengal
Gautam Shantilal Nanavaty, Ahmedabad	Electric capacitors.	L/5 (1) 49 EEI 62 28-10-61 (N U) Ahmedabad, Gujarat

(Contd.)

(Contd.)

Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Hindustan Development Corporation	Glycerine.	L/29 (2) (6) 61 Ch II 10-2-61 (N A) Calcutta
K. N. Khanna & B. K. Khanna	Heavy earth moving equipment, structurals etc.	L/11 N 9/59 31-3-59 (N U) Madras
Rane (Madras) Ltd., Madras	Woven brake linings and woven clutch facings.	L/7 (5) 25 AEI 60 3-9-60 (N A) Madras
Breja Financing Corporation, Calcutta	Double handed spanners.	L/12 (2) 11 MEI 61 17-1-61 (N U) Orissa
Shri Vasant Kale, Bombay	Chemical and industrial equipment.	L/8 A 9/12 MEI 61 27-2-61 (N U) Bombay
Kotak & Co., Bombay	Black heat malleable iron castings	L/1 A (3) N 46/59 17-8-59 (N U) Bangalore, Mysore
Kalani Brothers (Indore) Private Ltd., Indore	Cast iron spun pipes.	L/1 A (5) 9 MEI 60 28-7-60 (N U) Indore, Madhya Pradesh
Shri Krishan Kumar Agarwal, Jaipur	Steel castings and C. I. castings.	L/1 A (3) 81 MEI 60 30-12-60 (N U) Jaipur, Rajasthan
Harbans Lal Malhotra & Sons Private Ltd., Calcutta	Amponle cutters.	L/12 (2) N 36/60 27-1-60 (N A) Belur, West Bengal
Shri Narsingh Dass Gupta, Delhi	Cast iron casting.	L/1 A (3) 99 MEI 61 4-3-61 (N U) Ghaziabad, U. P.
Smt. Shakuntala Devi, Delhi	do do	L/1 A (3) 100 MEI 61 8-3-61 (N U) Faridabad, Punjab
Shri Roshanlal Lekraj, Bombay	Industrial and pharmaceutical equipment.	L/8 A (9) 21 MEI 61 9-6-61 (N U) Thana, Maharashtra
Shri Indra San Rai, Arjunpur, Bihar	Cast iron castings.	L/1 A (3) 18 MEI 60 30-7-60 (N U) Buxar, Bihar
Himkamal Electric Motors Ltd., Ahmedabad	Electric motors.	L/5 (2) N 28/59 23-6-59 (N U) Ahmedabad, Gujarat
Ispat Mills (Regd.) Bayana, Rajasthan	Steel pipes.	L/1 A (5) N 10/58 17-2-58 (N U) Bayana, Rajasthan

(Contd.)

(Contd.)

Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Bagalkot Cement Co. Ltd., Bombay	Portland cement.	L/35 (1) 7/60 Cement 15-11-60 (S E) Bagalkot, Mysore
Shree Krishnanath Engineering Co., Belur	Iron clad switches etc.	L/5 (1) N 84/60 26-8-60 (N U) Belur, West Bengal
Calcutta Castings & Engineering Works, Calcutta	General cast iron castings.	L/1 A (3) N 96/60 3-9-60 (N U) Howrah, West Bengal
Tendulkar Industries Private Ltd., Bombay	Portland cement.	L/35 (1) 8/60 Cement 15-11-62 (N U) Rajur, Maharashtra
Rajasthan Ceramic Industries, Bombay	Metal clad switches, switch board, metal clad switch gear.	L/5 (1) 23 EEI 61 7-1-61 (N A) Maharashtra
Eastern Equipment & Sales Ltd., Calcutta	Hand back saw blades.	L/36/20/56 18-12-56 (N U) Sultanpur, West Bengal
Shri P. Shah, Bombay	Spring steel.	L/1 A (6) N 15/61 4-8-61 (N U) Gujarat
Shri P. R. Bagri, Calcutta	Malleable iron castings.	L/1 A (3) 90 MEI 61 1-2-61 (N U) West Bengal
Shri A. Visweswara Rao, Gudivada	Cast iron spun pipes.	L/1 A (5) 26 MEI 61 19-1-61 (N U) Andhra Pradesh
West Khandesh Solvent Extractors, Dhulia	Vegetable oil from oil cakes and rice bran by solvent extraction process.	L/28 (1) N 117/60 2-6-60 (N U) Dhulia, Maharashtra
Shri Bijoy Kumar Khaitan, Calcutta	Malleable iron castings.	L/1 A (3) 89 MEI 61 19-1-61 (N U) Calcutta, West Bengal
Delhi Cloth & General Mills Co. Ltd., Delhi	Super phosphate.	L/18 (1) 6/60 Ferts 14-6-60 (Shifting from Delhi to Allahabad)
do	Sulphuric Acid	L/18 (1) 7/60 Ferts 22-11-60 (N A) Allahabad, U. P.
Palanpur Vegetable Products Ltd., Bombay	Tin containers.	L/1 A (7) 15 IEI (B) 61 4-11-61 (S E) Palanpur, Gujarat
Shri P.R. Saboo, Calcutta	Fire bricks.	L/34 (1) 24/60 L. Ind. 7-10-60 (N U) Allahabad, U. P.

(Contd.)

(Contd.)

Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Kettlewell Bullen & Co. Ltd., Calcutta	High tension and low tension insulators.	L/34 (6) 31/61 L Ind. 19-11 60 (N U) Rairangpore, Orissa
Jaam Chemie Colour Co., Bombay	Gelatine & Dicalcium phosphate.	L/32 N 7/59 10-8-59 (N U) Shukaltirath, Maharashtra
National Machinery Manufacturers Ltd., Kalwe, Thana, Bombay	Draw frames, flyer frames.	L/8 A (1) 10 60 MEI 15-9-60 (N U) Maharashtra, Thana
ACOP Industries, Bombay	Metal sheathed, magnesium oxide embaded electric heating elements complete with temperature control devices.	L/5 (9) N 15/60 9-1 60 (N U) Bhandup, Maharashtra
K. C. A. Private Ltd., Bombay	Vegetable oils from oil cakes by solvent extraction process.	L/28 (1) N 82/59 9-11-59 Jamnagar, Gujarat
Bishnoi & Sons Private Ltd., Calcutta	Malleable iron castings including malleable iron pipe fittings.	L/1 A (3) N 83/60 19 4-60 (N U) Fardahad, Punjab
Mysore Machinery Manufacturers Ltd., Bangalore	Malleable iron castings.	L/1 A (3) 86 MEI 61 11-1-61 (N A) Mysore
United Foundries, New Delhi	Cast iron castings and steel forgings.	L/1 A (3) 66 MEI 60 27-10-60 (N U) Durgapur, West Bengal
Guru Angad Engineering Works, Ludhiana	Cast iron castings.	L/1 A (3) 34 MEI 60 27-8-60 (N U) Ludhiana, Punjab
Shira Industries Private Ltd., Calcutta	Cast iron castings and forgings.	L/1 A (3) 79 MEI 60 20-12-60 (N U) Dum Dum, Calcutta
Indian Steel Forgings Co., Delhi	Cast iron castings and steel forgings.	L/1 A (3) 95 MEI 61 22-2-61 (N U) Ballabgarh, Punjab
G. G. Dandekar, Machine Works Ltd., Bombay	Shaping machines, hack saw machines, lathe, hydraulic jacks etc.	L/9 N 28/59 2-7-59 (N A) Bhiwandi, Maharashtra
The Jeypore Sugar Co. Ltd., Madras	Food yeast.	L/26 (2) (2) 61 Ch II 31-7-61 (N A) Chagallu, Andhra Pradesh
Northern Engineering Co., Pearl Buildings, Ludhiana	3/4 capacity Radial drill and Planing machines.	L/9 N-32 62 9-10-59 (N U)
Shri S. Srinivasan, Bombay	Piston rings and cylinder liners.	L/7 (5) 10 AEI 60 2-6-60 (N U)

(Contd.)

(Contd.)

Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Indian Metallurgical Industries Ltd., New Delhi-5	Propeller shafts	L/7 (5) 65 AEI 61 31-7 61 (N U)
Modern Engineering & Moulding Co., Ahmedabad 2	Electric motors and starters.	L/5 (2) N 26-59 3-6 59 (N A)
Kanyaka Parameswari Rice & Oil Mills, Hisamganj, Secunderabad (Dn.)	Vegetable oil.	L/27 A 58-56—L/28 (1) 39 1-6 55 (N U)
N. C. Gupta, Patiala	Steel structurals including transmission towers etc.	L/1A (7) 39 MEI 61 21-4-61 (N U)
The Ahmedabad Manufacturing & Calico Printing Co. Ltd., Bombay	Sodium sulphate.	L/19 1) 23 N A Ch. (1) 60 1-12-60 (N U)
Shri B. K. Jajodia, Bihar Paper Mills (Private) Ltd., Patna	Printing and writing Paper.	L/24 (1) 58 Ch. (1) 61 30-8-61 (N U)
Surrendra Overseas (Private) Ltd., Dolapur Road, Thana	Writing, printing and wrapping paper and pulp.	L/24 (1) 38 Ch. 1) 61 7-4 61 (N U)
NOVEMBER 1962		
Associated Cement Co. Ltd., Bombay	Portland cement.	L/12/31 55 L/35 (1) 30 (N A) Assam
Deepak Industries Private Ltd.,	Permanent magnets, electric magnets, magnetic seperators and magnetic appliances.	L/5 (1) N 71/60 6-5-60 (N U) West Bengal
Ashok Iron & Steel Industries, Allahabad	Steel castings.	L/1 A (3) N 102/60 24-11 60 (N U) Uttar Pradesh
Hind Overseas Private Ltd., 7, Narain Prasad Babu Lane, Calcutta	Steel forgings.	L/1 A (3) 22 MEI 60 6-8-60 (N A) West Bengal
General Pharmaceuticals Private Ltd., Bombay	Photographic gelatine Edible and pharmaceutical gelatine and technical gelatine.	L/32 (3) Ch. IV 61 6-12-61 (N U) Maharashtra
The National Iron & Steel Co. Ltd.,	C. I. & C. S. Rolls.	L/1 A (3) N 92/60 2-7-60 (N U) West Bengal
Agarwal Iron Works, Agra	Forgings, ferrous and non-ferrous.	L/4/153/57—L/1 A (3) 13 30-4-57 (N A) Uttar Pradesh
Rajasthan Ceramic Industries, Bombay	Fractional horse power motors.	L/5 (2) N 16/58 11-10-58 (N U) Punjab
Shri Shubhkaran Saksaria, Dholpur	do do	L/5 2) N 42/60 13-10-60 (N U) Rajasthan

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Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Phillips India Ltd.,	Nuclear measuring and test equipment.	L/5 (8) N 3 EEI 61 1-5-61 (N A) Maharashtra
The Hindusthan Gas Co. Calcutta	Sulphuric acid.	L/19 (1) N 75/60 18-1-60 (N A) West Bengal
Shri Manmal Bhutoria	Writing and printing paper and pulp.	L/24 (1) 51 Ch. (1) 61 19-5-61 (N U)
Shri S. L. Soni, C/o. The Elgine Mills Co. Ltd., Post Box No. 11. Kanpur	Cotton yarn.	L/23 (1) 256 Tex (B) 62 5-4-62 (N U) Uttar Pradesh
Moderan Mills Ltd.	Bleached rayon grade pulp.	L/24 (5) N 13/60 23-3-60 (N U) Mysore
S. G. Chandra & Hemant Kumar, U.P.	Citric acid	L/26 (2) N 12/60 27-5-60 (N U) U. P.
Hindusthan Potteries Howrah (West Bengal).	High tension and low tension insulators etc.	L/34 (6) 54 Chem. IV 61 6-3-61 West Bengal
Shri G. D. Narendra	Cast iron spun pipes	L/1A (5) 30 MEI 1 21-1-61 (N U) Kerala
The Punjab Steel Rolling Mills	Steel forgings	L/1A (3) 10 EI(M) 61 10-7-61 (N A) Punjab
Begee Corporation Private Ltd.	Latice fabrication posts, light towers etc.	L/1A (4) 2 EI (M) 61 20-7-61 (N A) Punjab
Jaipur Iron Foundry	Cast iron castings.	L/1 A (3) 26 MEI 60 20-8-60 (N U) Rajasthan
Sita Ram Hari Ram (under the name & style of Eastern Malleable Ltd.	Malleable iron pipe fittings and castings.	L/1 A (3) 113 MEI 61 17-5-61 (N U) West Bengal
S. G. Jayaraj Nadar & Sons Private Ltd.	Clutch plates and brake linings for automobiles.	L/7 (5) 57 AEI 61 11-4-61 (N U) Madras
National Machinery Manufacturers Ltd.	Centre rolling bearing spindles. Ball bearing top roller for ringframes. Pendulum arm weighting arrangement.	L/8 A 1 N-46/60 9-1-60 (N A) Maharashtra
Indian Plastics Ltd.	Plastic moulded and extruded goods.	L/12 (1) L. Ind. 60 29-6-60 (S E) Maharashtra
K. T. Steel Industries Ltd.	Panel pin making machines.	L/18/5/56 14-12 56 (N A) Maharashtra

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Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Shri Rama Kant Loiya (Under the name & style of R. R. Paper Mills)	Writing, printing and tissue paper.	L/24 (1) 50 Ch. (I) 61 19-5-61 (N U) Madhya Pradesh
Birla Jute Manufacturing Co. Ltd., (Cement Dept.)	Fire clay refractories	L/34 (2) 42/60 Ch. IV 5-1-61 (N A) Madhya Pradesh
Madhya Pradesh Rice Bran Oil Co. Ltd.	Oil from rice bran by solvent extraction process.	L/28 (1) 41 Ch II 61 30-1-61 (N U) Madhya Pradesh)
Asian Industries Corporation	Heat resisting glass and laboratory and industrial heat resisting glass wares.	L/33 (5) 1/61 Ch. II 14-2-61 (N U) Maharashtra
Protecto & Insulation Materials Private Ltd.	Carbon resisters and paper condensers.	L/6 (4) 41 EEI 61 5-9-61 (N U) Maharashtra
P. S. Nanjappa Chetty & Sons	Marine Diesel Engines	L/4 (2) 22/61 AEI 31-7-61 (N U) Madras
Gore & Co.	Bicycle tyres and tubes	L/30 (1) N 14/60 20-7-60 (N U) Maharashtra
DECEMBER 1962		
New Standard Engineering Co. Ltd.	Mild steel fabricated pipes.	L/1 A (5) 1 MEI 60 13-4-60 (N U) Maharashtra
Brunton & Co. Engineers Ltd.	Hot forged and hot pressed bolts and nuts.	L/4/106/56 3-8-56 (N U) Madras
Aluminium Cables & Conductors (UP) Private Ltd.	Paper insulate power cables.	L/5 (6) 13 AEI 61 5-1-61 (N U) West Bengal
Central India Machinery Manufacturing Co. Ltd.	5 Bowe rolling and friction calenders Full automatic jiggers Automatic under water jiggers. 5 Colour printing machines.	L/8 A 1 N-50/60 7-3-60 (N A) Madhya Pradesh
Crescent Agencies (Private) Ltd.	Precision long turning and screwing automatics.	L/9/12 MEI 60 12-9-60 (N A) Maharashtra
National Steel Works Ltd.	Double ended spanners Socket spanners Ring spanners Pliers, nippers etc.	L/12-2 N-45/60 25-4-60 (N A) Maharashtra
Jairamdas & Sons	Double ended spanners Pliers Pipe wrenches Chain pipe wrenches Ring spanners Socket spanners	L/12-2 N-37/60 27-1-60 (N U) Mysore

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(Contd.)

Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Andhra Sugars Ltd.	Cellulose acetate flaxes.	L/19 (2) 11 N U Ch (1) 61 22-6-61 (N U) Andhra Pradesh
Shri A. R. Chowdhury, (under the name and style of M/s. Electro-Metallurgical Corporation of Orissa Ltd.)	Manganese di-oxide.	L/19 (14) N-40/59 12-9-59 (N U) Orissa
Commercial Sales Agency, Lessees of M/s. Morvi Vegetable Products Ltd.	Cotton Seed oil.	L/28 (1) N 150/61 30-3-61 (S E) Gujarat
Rajputana Mining Agencies (Private) Ltd.	Ossein, dicalcium phosphate and glue.	L/32 (4) Ch IV 61 6-4-61 (N U) Maharashtra
Gujarat Insulators Ltd.	High tension insulators and low tension insulators.	L/34 (6) 23 L. Ind. 60 7-10-60 (N U) Gujarat
B. R. Herman & Mohatta (India) Private Ltd.	Stoneware pipes.	L/34 (4) 4/26/60 22-10-60 (N U) Gujarat
Woodcrafts, Assam Proprietors: (Jay Shree Tea & Industries Ltd.)	Chip board.	L/36 (2) 15/60 Ch. IV 29-10-60 (N A) Assam
India Ferro-Manganese Manufacturing Co.	Ferro-manganese	L/1 A 2) N 5/59 6-11-59 (N A) Maharashtra
Engineers Union Private Ltd.	Steel structurals, metal doors, grills, gates, etc.	L/1 A (4) N 53/60 4-4-60 (N U) West Bengal
Steel Construction Co.	Steel structurals.	L/1 A (7) 37 MEI 61 6-4-61 (N U) West Bengal
Shri B. M. Patel	Steel slotted angles and other sections.	L/1 A (7) 19/61 EI (M) 3-11-61 (N U) Punjab
Hindusthan Malleable & Forgings Private Ltd.	Paper capacitors electrolytic capa- citors.	L/6 (4) 9 EEI 60 10-10-60 (N U) Bihar
R. B. L. Tirath Ram Shah (India) Ltd.	Sugar Mill Machinery.	L/8 A 4 N 13/60 23-8-60 (S E) U. P.
Madhya Pradesh Chemicals & Fertilisers Ltd.	Sulphuric acid and superphosphate.	L/18 (1) N /60 Ferts 30-3-60 (N U) Madhya Pradesh
Purshottamlal Jhunjhunwala.	Bleached rayon grade pulp from cotton linters.	L/24 (5) 2 60 Ch (1) 10-8-60 (N U) Maharashtra
Bihar Firebricks & Potteries Ltd.	Firclay refractories.	L/34 (2) 8/60 L. Ind. 15-7-60 (S E) Bihar

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Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Bharat Fire Bricks & Pottery Works (Private) Ltd., Calcutta	Fire bricks, high alumina bricks, Industry bricks and Fire Cement.	L/34 (2) N 4/58 4-7-58 (S E) Bihar
Sri Ravi Rekhy	Salt-lazed stone ware pipes and specials.	L/34 (4) 66/61 Chem IV 2-12-61 (N U) Punjab
Shri B. N. Bhasker, Managing Director, Ishwar Industries Ltd.	Magnesite refractories, magnesite chrome-magnasice refractories and forterite.	L/34 (2) N 17/60 9-11-60 (N U) Madhya Pradesh
India Industries	Cast iron spun pipes.	L/1 A (5) N 15/59 31-3-59 (S E) Orissa
Serajuddin & Co.	Ferro-chrome and ferrow silicon.	L/1 A (2) N 3/58 8-5-58 (N U) Orissa
Hind Overseas Private Ltd.	Steel castings.	L/1 A (3) 39 MEI 60 5-9-60 (S E) West Bengal
Kalani Electronics Ltd.	Radio components	L/6 (4) 34 EEI 24-3-61 (NU) Rajasthan
Enamelled Wire (Private) Ltd.	Machines and equipment for caustic soda nitric acid, etc.	L/8 A 9/25 MEI 61 7-8-61 (N U) Maharashtra
Shri M. CT. Muthiah	Ball bearings etc.	L/8 (C 1) 10 MEI 61 17-8-61 (N U) Madras
Sarvaraya Textiles Ltd.	Spindles for the manufacture of cotton yarn.	L/23 (1) 353 Tex (B) 62 22-5-62 (N U) Andhra Pradesh
Sree Katteri Textiles (Private) Ltd.	Cotton/staple fibre yarn.	L 10 (a) 227/55 L/23 (1) 140 12-7-55 (N U) Madras
The New Swadeshi Sugar Mills Ltd.	Alcohol	L/26 (1) 6 Ch. II 61 22-9-61 (S E) Bihar
Alimchand Topandas Oil Mills	Vegetable oils and deoiled cakes from ground nut oil and cotton seed oil cakes.	L/28 (1) N 114/60 4-4-60 (S E) Andhra Pradesh
Kumardhubi Fireclay & Silica Works Ltd., Calcutta	Silica refractories	L/34 (2) 36/60 Ch IV 14-12-60 (S E) Bihar
K. S. B. Pumps Ltd., Bombay	Pole changing high efficiency motors for sugar centrifuge. Switchgear and panels.	L/3 (2) 15 EEI 62 19-2-62 (S E) Maharashtra
Deepak Industries Ltd., Calcutta	Automobile and Railway leaf springs	L/7 (5) N 3/57 5-3-57 (N U) West Bengal

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Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Beni Ltd., Calcutta	Machine Tools.	L/9/35/61 MEI 20-2-61 (N U) West Bengal
The Tatna Sugar Mills Co. Ltd., Varanasi	Power alcohol, methylated spirit Rectified spirit and bye-products.	L/26 (1) 12/61 Ch II 19-1-61 (N U) Uttar Pradesh
Industrial & Commercial Trust Private Ltd., Bombay	Road construction machinery.	L/11 (1) 61 LEI (A) 23-8-61 (N U) Maharashtra
Mehta Brothers (Private) Ltd., Chheharta, (Amritsar)	Tannic acid B. P. and tannic acid technical.	L/19 (3) 3/60 Ch II 29-10-60 (N A) Punjab
Premier Beltings Ltd., Kottayam	Rubber conveying Belting	L/30 (4) 1/60 L. Ind. 22-7-60 (N U) Kerala
Shri M. T. Shah, Bombay	Flash dryers Rotary dryers Tubre dryers Roller dryers Vacuum dryers Pneumatic dryers Heat exchangers Distillation column Absorption column.	L. 8 A (9) 13 MEI 61 5-4-61 (N U) Maharashtra
Rajen & Santosh (Private) Ltd., Ludhiana	Ampoule cutters	L/12/2/4 MEI 60 9-4-60 (N A) Punjab
Indian Engineering Industries, Bombay	Galvanised steel, steel tanks, cisterns and cylinders. Cylindrical petrol and other fuel oil tanks. Bins such as corn bins, coal bins, airlight bins.	L. 1 A (7) 41 MEI 61 25-4-61 (N U) Maharashtra
Shri Anandlal Hiralal Sheter, Baroda	Slide rules.	L. 17 (5) 61 LEI (A) 23-10-61 (N U) Gujarat
Novelty Engineering Works, Ludhiana	Medium carbon steel wires and mild steel wires.	L/1A (7) N 208-60 1-8-60 (N U) Punjab
Jhinguri Ram Mahabir Ram, Calcutta	M. S. Heavy gauge wire.	L/1A (7) N 185/60 3-5-60 (N U) West Bengal
Universal Lamp Manufacturing Co. Private Ltd., Calcutta	Flash light casings.	L/5 (9) N 3-57 27-8-57 (N A) West Bengal
Killick Industries Ltd., Bombay	Planning irons Paper cutting machine knives.	L. 12 (2) N 14/59 10-3-59 (N A) Maharashtra
Dhrangadhara Chemical Works Ltd.,	High test calcium hypochlorite.	L/19 (1) 25 N A/Ch. I 60 8-12-60 (N A) Madras

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Name of the industrial undertaking	Articles of manufacture	Licence No. and date
Shri N. J. Aggarwal, Bombay	Vegetable oil by solvent extraction process.	L/28 (1) N 144/60 1-10-60 (N U) Madhya Pradesh
Hassanally Gulam Husin Oil Mills, Bhavnagar	Groundnut oil and cakes.	L/28 (1) N 18/57 14-12-57 (C O B) Gujarat
Sanchalal Chagenmal Bafna & Co., Dhulia (West Khandesh)	Cotton seed oil and vegetable oil by solvent extraction process.	L/28 (1) N 143/60 17-9-60 (N U) Mahara-htra
Shri Jagmohan Modi Ranchi	Fire bricks.	L/84 (1) 35 Ch. IV 60 13-12-60 (N U) Bihar
Jain & Rai Bhilai	Silica bricks.	L/34 (1) 33 L. Ind. 60 5-12-60 (N U) Madhya Pradesh
Agarwal & Agarwal (Private) Ltd., Assam	Fire bricks.	L/34 (1) N 11/60 28-4-60 (N U) Assam
Sonajuli Tea & Industries Ltd., Calcutta	Silica refractories.	L/34 (2) 37 Ch. IV 14-12-60 (N U) West Bengal
Andaman Timber Industries Ltd., Calcutta	Chip board.	L/36 (2) N 32 Ch. IV 61 8-8-61 (S E) West Bengal

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