





President, Shri V. V. Giri, inaugurated the Bapu Dham Complex in Chanakya Puri, Delhi on April 4, 1970. He also laid the foundation stone of a Community Hafl, he participated in a Community Dinner (Preeti Bhoj) with the Harijan employees of N. D. M. C.

to taken on the occasion shows Shri Giri participating in the community dinner

Shri B. S. Murty, Union Minister of State for Health and Family Planning, inaugor the Silver Jubilee celebrations of the S. C. B. Medical College, Cuttack on April 18.



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REVIEW seeks to provide condensed record of the rities and official announcets of the Government of and other useful information. Many items appear in marised form. Such items ald not be treated as complete authoritative versions.

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H. N. Dasmohapatra, I.A.S., Director of Public Relations & Tourism, Home Department, Government of Orissa.

tant Editor

Samar Bilas Patnaik

OUR COVER: CHAITIGHODA DANCE, Traditional Festival of the Fishermen Community in Orissa.

In Thio Joones ..

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RISSA'S BID TO FORGE AHEAD

nically backward, Orissa which ered a set-back due to recession anned expenditure during the ve-Year Plan, has now been able herself on the road to economic

The present Government which power after the Fourth General on the basis of their joint 21-point ne are determined to lift the people from the slough of poverty and and put them on even ground hey will find it easy for them le to catch up with the other States of the Union. The fulfilled are:

Abolition of land revenue which was one of the important election pledges.

Abolition of irksome Panchayat taxes for giving relief to the poorer sections of the society.

Appointment of a Commission of Inquiry to probe into charges of corruption against former Ministers. On the basis of the findings of the Khanna Commission, criminal proceedings have been started against some of them.

- (4) Tightening of Vigilance Organisation to root-out corruption in the administration.
- (5) Water-rate was reduced in canal irrigated areas.
- (6) Scheme of separation of Judiciary from the Executive was completed in all the 13 districts.
- (7) A code of conduct was prescribed for the Ministers.
- (8) A new Industrial Policy actuated by pragmatic approach was formulated.
- (9) An Evaluation Committee was set up under the presidentship of Dr. P. S. Lokanathan to took into

the problems of major Statesector industries which has already submitted its report and Government are suitably implementing many of the recommendations. Another Evaluation Committee set up to look into the small industries in co-operative sector and Pilot projects, etc., have submitted an interim report.

- (10) Expansion and reorientation of the educational system.
- (11) Green Revolution in the countryside was ushered in by expansion of High Yielding Variety Programme.

Some of the sectorwise achievements in this brief period of three years are indicated in the following paragraphs.

AGRICULTURE

75 per cent of the population depend upon agriculture and it contributes 60 per cent of the income of the State. This sector was neglected in the past. Unforth nately 1966-67 and 1967-68 were years of unprecedented floods, droughts are cyclone. 1968-69 was comparatively bette though there was a little set-back due to drought in certain parts of the State Expenditure on agricultural production schemes including land development and Ayacut development programmes in the last three years are as follows:

	R	upees in lakhs
1966-67		195.10
1967-68		164.19
1968-69	• •	122-32

Agricultural production was boosted through Intensive Cultivation Program like I.A.A.P., I.A.D.P., H.Y.V.P., Maximum commercia production of crops such as jute, oil-seeds, sugarcal paddy, etc., were aimed The below shows the achievements made unit principal crops during last years:the

PRODUCTION OF PRINCIPAL CROPS

			- 15	
1. Rice		1966-67	1967-68	(In lakli tonnes)
	•••	36.92		
2. Other cereals		2.22	37.55	42.12
3. Pulses		2.29	2.63	2.99
		4.34	3.39	4.49
Total—Foodgrains		The second secon		
G- datid		43.55	43.57	49.57

(In lakh tonnes)

		1966-67	1967-68	1968-69
)il-seeds		1.78	1.71	1.70
ugar-cane	••	1.74	1.81	2·10
ute and Mesta		2.64	3.62	4.10

IRRIGATION

combat the vagaries of nature irrigaschemes have continued to receive due attention of Government. The irrigated area under major and medium irrigation projects are as follows:—

Hirakud

		Khariff	Rabi
		(Acres)	(Acres)
1966-67		3,20,000	50,000
1967-68		3,40,000	2,32,000
1968-69		3,61,000	2,32,000
1969-70	• •	3,64,450	

ahanadi Delta—The revised esties of the project are of the order of 68.38 crores and it will irrigate a gross of 16.82 lakh acres. The project is yet completed in all respects. It is irrigating 5.89 lakh acres during triff season in the districts of Puri and Cuttack. The target of Rabi in the current year is 2 lakh acres.

Salandi Irrigation Project (Balasore District)—The project will be completed in 1971. It has provided irrigation to 25,000 acres of Khariff crop in 1967-68 for the first time and this was stepped up to 50,000 acres in 1968-69 and 1969-70.

Salki Irrigation Project (Boudhphulbani District)—Up to the end of Third plan, an area of 29,610 acres under Khariff

> 1966-67 1967-68 1968-69

and 3,000 acres under Rabi was irrigilar The figures for the last three years as follows:-

Khariff	Rabi
(Acres)	(Acres)
36,250	3,000
40,000	5,000
40,000	

Budhabudhiani Irrigation Project (Puri District)—A sum of Rs. 149.72 lakhs has been spent up to the end of 1968-69.

The areas irrigated in the last three! are as follows:—

		Khariff	Rabi
1966-67		(Acres)	(Acres)
1967-68		5,000	300
1968-69		5,500	1,:00
	••	6,170	1,556

Other important Medium Irrigation Projects, such as Ghodahada in Ganjam district, Dhanai in Ganjam district, Darjang Dhenkanal district, Bahuda and Hiradharbati in Ganjam district are nearing completion. Two new Irrigation Projects, such as, Pitamahal in Sundargarh district and Uttei in Kalahandi district have been taken up. Both these projects when completed will provide irrigation to 30,000 acres under Khariff and 10,000 acres under

INDUSTRIES

Important landmarks in the promotion of industries in the State under the present regime are as follows:—

An Industrial Policy Resolution based on pragmatic approach and not on

doctrinnaire consideration has been To encourage private investment following concessions have been and by Government:—

- (1) Land on long-term concessional rate of premium rent.
- (2) $12\frac{1}{2}$ per cent subsidy 0^{11} consumption.
- Tax or Sales on raw-materials machinery for a certain personal (3) Exemption
- (4) Price preference in respect Government purchases to Scale Industries.

ORISSA REVIEW_MAY

ired to provide employment to the l people in their undertakings.

he State Government have pursued vigour a number of applications for it of Industrial Licences. As a result, following parties got Industrial nees and Letters of Intent for establisht of industries during the period from 7 to 1969—

- (1) Orissa Fertiliser & Chemicals, Rourkela (Fertilisers).
- (2) Handidhua Colliery, Talcher (Coal).
- (3) Dodsal Private Limited, Rourkela, (Pipe specials).
- (4) Jamalaprasad Sikaria & Company, Cuttack (Wheat products).
- (5) Titagur Paper Mills Company Limited, Choudwar (Caustic Soda Chlorine).
- (6) Industrial Development Corporation of Orissa, Hirakud (AOSR/ ASC Conductors).
- (7) Jayashree Chemicals Limited, Calcutta, (Expansion Hydro Chloride Acid and Calcium Hypochlorite Plant at Ganjam).

During this period 34 applications for ing up Large Scale Industries and 10 Medium Scale Industries were made I most of them were recommended by State Government. These are now uding with the Government of India. In important landmark is the setting up a Planning & Design Cell in the Induspers Department to supply project profiles parties interested in setting up induses in the State.

ANCILLARY INDUSTRIES

About 879 acres of land has been earmarked as an industrial growth centre at Rourkela for growth of ancillary industries. This is in addition to 34 ancillary industries now existing in the Industrial Estate at Rourkela for supplying various requirements of the Steel Plant. State Government are also actively pursuing establishment of developed areas near Kansbahal, Rajgangpur, Paradip, Sunabeda, Talcher and Jajpur Road.

As a result of consistent promotional and directional activities of the State, several industries have gone into production since 1967. These are—

- (1) Ferro-Silicon Plant at Theruvali
- (2) A Chemical Plant of Jayshree Chemicals at Ganjam.
- (3) I. D. C.'s Cement Plant at Bargarh
- (4) I. D. C's Cables at Hirakud
- (5) I. D. C's Rerolling Factory at Hirakud.
- (6) I. D. C's Ferrochrome Plant at Jajpur Road.
- (7) Utkal Scientific glass equipments
- (8) Cocacola and Paper Sack Plant

A Fertiliser Plant near Rourkela is under construction by Orissa Fertilisers & Chemicals. The Foundation Stone of a Nitrogenous Fertiliser Factory at Talcher was laid on February 3, 1970 by Dr. Triguna Sen. Union Minister for Mines and Metals and Petroleum and Chemicals. The Fertiliser Corporation of India are setting up this Plant.

The following table will indicate the investment the State Government in shares, guarantees and loan under of State-aid to industries:

SHARE INVESTED

Year		Public Sector	Private Sector
		Amount	Amount
1967-68		Rs.	Rs.
1968-69		2,68,40,000	
		2,23,00,000	50,001
1967-68	Gove	rnment Guarantee	
1968-69			187,000
1969-70			120,000
			150,000
	STAT	E-AID LOAN	
1967-68	Amou	nt of loan sanctioned	
1000.00		90,000 (Due to imposit	. averana
1968-69		10 mposit	ion of ban by Gov
1969-70		4,90,450	
		2,45,200 (Up to Decem	
Pilot Projects-4	10 Pilot Project C	Sccem	ber 1969)
	TAUL Propost of		

Pilot Projects—40 Pilot Project Companies were incorporated in 1958. The Scheme did not succeed as entrepreneurs who had only 10 per cent interest in the Share Capital were entrusted with 90 per cent of the capital investment by the State Government. The present Government has evolved a forth-right policy of encouraging the entrepreneurs to purchase Government shares on deferred payment basis. In their bid to revive these dying units, about three such units have been revived and a few more are in the process of being revived.

TRANSPORT AND COMMUNICATI

- (1) The Cuttack-Paradip Rail light been taken up. Its construction inaugurated by the Chief Minister, in February 1969. connect Paradip Port with the hinter
- (2) Survey work for construction Talcher-Bimalagarh line is in progress
- (3) Foundation Stone has been particle Construction of a Cargo Berth at Ship & Traper Shri K. Raghuramaih, Minister for Jail & Transport, Government of India, 1979 foundation stone on January 23,

POWER

Talcher Thermal Project was comed on February 7, 1968 by the Minister of India. The installed y of power generation in the State by been increased to 560 M. W. ita consumption power has increased units in 1968-69 to 84 units in Some of the important schemes to during this period are the follow-

Balimela Transmission Scheme—220 K. V. Double Circuit-line from Balimela to Talcher is under construction. In the last three years transmission towers have been erected over a stretch of 223 Kms. out of a total length of 525 Kms.

132 K. V. Single Circuit line from Rayagada to Theruveli was energised in April, 1967.

- 132 K. V. Single Circuit line from Berhampur to Ganjam Caustic Soda Plant was energised in July, 1967.
- 132 K. V. Single Circuit line from Chowdwar to Khurda was energised in June, 1969.
- During 1967-68, 85 per cent of the construction of 132 K. V. Single Circuit from Jeypore to Sunabeda was completed.
- 33 K. V. Line from Khurda to Pipli was energised in 1968.
- 33 K. V. Line from Khurda to Bhubaneswar was energised in June, 1969.

- (8) 33 K. V. Line from Jajpur Road to Sukinda was completed in 1969.
- (9) 33 K. V. Line from Jajpur Road to Kamakshyanagar was completed in October, 1969.
- (10) 33 K. V. Line from Bhanjanagar to Phulbani was completed in December, 1969. For the first time Phulbani district, the most backward area in the State got electric supply.
- (11) 33 K. V. Line from Nawarangpur to Umerkote was completed in October, 1967.
- (12) 33 K. V. Line from Patnagarh to Padmapur was energised in May, 1969.

RURAL ELECTRIFICATION

Under Rural Electrification Scheme, 84 Kms. of 33 K. V. lines and 248 Kms. of 11 K. V. lines have been drawn in different districts in the last three years for supply of power to villages and lift irrigation points. The number of villages electrified district-wise are as follows:—

Villages
(2)
 36
 4
 75
 9
 65
 11
 3

(8)	(1) Koraput		(2)
Track	Mayurbhanj		5
	Phulbani		8
(11)	Puri		59
	Sambalpur		11
(13)	Sundargarh		3
	LIFT IRRIGATION	DOLL	

ATION POINTS

(1) Balasore	 17
(2) Cuttack	 85
(3) Ganjam	 52
(4) Koraput	 8
(5) Mayurbhanj	 4
(6) Phulbani	 2
(7) Puri	 10
(8) Sundargarb	

CO-OPERATION

3

The policy of the present has been to streamline the Government co-operative structure and to encourage which are economically viable. those units resulted in a healthy trend of membership and working capital remaining steady. The number of the Societies which was 9,286 in 1966 decreased to 8,712 in 1968. The memberhip increased from 1,691,697 to 1,822,893 in 1968. The working capital increased from Rs. 6,345.72 lakhs in 1966 to Rs. 7,917.92 lakhs in 1968.

Primary Agricultural Credit Societies— There are 17 Central Co-operative Banks with 37 branches. The volume of farm

credit has been increased and the operative credit structure has been gear to meet the production programmes. membership of these societies increase from 12.18 lakhs in 1966 to 13.01 in 1968, while the working capital increase sed from Rs. 16.55 crores to Rs. 231 crores during the same period.

Orissa State Co-operative Bank share capital, deposits, borrowing State 0 working capital of the Orissa Rs. 554 operative Bank which were lakhs, Rs. 521.59 | lakhs, Rs. 288.98 and Rs. 893.07 lakhs in 1966 respection Rs. 359 increased to Rs. 75.24 lakhs, Rs. 977 lakhs, Rs. 460.06 lakhs and lakhs, respectively in 1969.

With a view to increasing agriculture production, marginal and sub-margin cultivators Bhag-Chasis including being financed agricultural loan with insisting upon any security to the of Rs. 2,000 for short-term and Rs. for medium-term loan. The loans and ced by the 17 Central Co-operative to Rs. 1 247 as Rs. 885.53 lakhs in to Rs. 1,245.00 lakhs in 1968-69. development of the Agricultural mme in the State, emphasis has on the long-term loan to the agricultus purchase of man for minor irrigation, developme nery measures. Investment made by the and Developine State Co-operative Bank increased from Rs. 105.62 lakes 1966-67 to Rs. 203.00 lakhs The number of Primary Land ment Banks increased from During, (during the last three years. Marketing year 1968-69, 39 Regional Operative Societies have marketed against Rs. 160.86 Jakh tural produce worth

village Co-operative Societies have outed Chemical Fertilisers worth 98 crores and 183 Village Co-operaocieties have distributed consumer s worth Rs. 60.28 lakhs in the rural

EDUCATION

he sphere of education the State has steady progress and expenditure this important sector is gradually increase as will be evident from at that the outlay under education was Rs. 12.62 crores prior to ption on office by the present ment has now increased to 63 crores.

ior College M. C. P. Scholarships ed on the result of High School cate Examination was raised from 650. The number of Junior College um-Poverty Scholarships awarded result of Pre-University and Higher lary Certificate Examination was

raised from 370 to 450. Financial assistance of Rs. 100 each to poor and meritorious students at the time of their first admission to the Colleges was given to 1,100 students in place of 750 students awarded in the previous year. Stipends to children of political sufferers awarded at the different stages of education were raised from 230 to 423 by the present Government.

Women's Education—The management of Queen of Mission's Girls' High School at Berhampur was taken over as a full deficit aided institution, with effect from June, 1967. During the year 1968-69, five aided Girls' High Schools were converted into Government 'A' Type Schools. During 1967-68, 12 Girls' M. E. Schools and 6 Girls' High Schools and during the year 1968-69, 9 Government Girls' High Schools were opened by the present Government. In the month of July 1969, 5 Girls' M. E. Schools were upgraded to Girls' High Schools.

BROWTH IN THE NUMBER OF INSTITUTIONS OF ALL CATEGORIES

יזוני	JVV III III III		A A MARCHINE AND A MA	
	Primary Schools	Secondary including M. E. Schools	Colleges for genera education	
	(1)	(2)	(3)	
67 68 69	26,001 26,074	5,006 4,964 5,202	68 69 72	
69		THE NUMBER OF STUDENTS 4,53,684	22 - 1 - 1	
-67 -68 -69	17,85,991 19,24,938 18,93,565	4,15,684 4,51,640	28,030 33,322	
.09	GROWTH IN	THE NUMBER OF TEACHERS A	-,	
-67 -68	52,663 52,547 53,675	24,781 25,534	1,996 2,140	

.B.—Figures for 1967-68 and 1968-69 are purely provisional

EXPANSION OF MEDICAL FACILITIES

With the successful implementation of various health programmes, e.g. (i) provision of integrated health services, both preventive and curative to the community through establishment of Primary Health Centres, (ii) Eradication of Malaria and Small Pox, (iii) Expansion of Medical Education and Training Programmes and (iv) Family Planning Programme; there has been a marked and rapid improvement in the health condition of the people. The per capita expenditure on health services has risen from Rs. 2.70 paise by the end of Third Plan to Rs. 3.45 paise by

Specialist services have been extended to the Capital Hospital, Bhubaneswar as well as to the two District Headquarters Hospitals at Koraput and Baripada. There are two Paediatric Hospitals in the State one at Cuttack and another at Bhawanipatna. The Cancer Wing attached to the S. C. B. Medical College, Cuttack is being upgraded to a Cancer Institute.

BACKWARD CLASSES' WELFARE

The present Government has consistently upheld the policy of giving special attention to Scheduled Tribes and Scheduled Castes who constitute about 40 per cent of the total population. Percentage of literacy which was only 1.5 and 3.3 among Scheduled Tribes and Scheduled Castes has gone up to 7.4 and 11.6 according to 1961 Census For the purpose of fulfilling constitutional obligations the State Government have reserved 24 per cent of the vacancies for the Scheduled Tribes and 16 per cent for the Scheduled Castes. The present Government have opened the following Schools in the last three years :-

(1) 7 Ashram Schools

- (2) 8 Residential Sevashrams
- (3) 5 Chatsalis
- (4) 20 Upgraded Sevashrams
- (5) 43 Hostels
- (6) 10 Ashram Schools upgraded High Schools.
- (7) 5 Units of purchase, sale and price shops opened in addition the continuing 6 Units.

In order to provide medical facilities the people belonging to Scheduled and Scheduled Castes 19 six-beded tals, 11 Dispensaries, Allopathic Ayurvedic Dispensaries 14 Me and Health established. Units were Providing drinking water facilities to wells, tanks and tube wells, sunk every year.

The past three years were a period consolidation and the stage is now sel achieving all round progress and admin ment. The Green Revolution, has brought about a silent revolution, the country-side has ushered in a new Harnessian Harnessing of the natural resources minerals and forests is advancing trialisation in the State. The trialisation in the sections of the community would go fair deal with greater attention foculs the devel the development of the under-development contribute to pave the way for the of unemployed of unemployed.

No Government, much less the pres Government, much less the red of achievers of achievements. The tasks ahead and doubt differents. doubt difficult. But understanding operation, sacrifice and dedicated alone on the alone on the part of all concerned to the State form State forward in its march ess and pure progress and prosperity.

GANDHI AND NEHRU

vaharlal Nehru was the disciple, I and comrade-in-arms of the tma. Perhaps no two men so differn social background and upbringing, o speak of dress and other externals, ne such kindred spirits.

ith Mahatma Gandhi, Jawaharlal turned ordinary men into men of cation and action, ready to look death to face.

ke Gandhi, Nehru was free from fear; believed in the right means for gainright ends. The adherence to right ns was the essence of Gandhiji's sage. Said Nehru:

"I have been attracted by Gandhiji's stress on right means and I think one of his greatest contributions to our public life has been this emphasis. The idea is by no means new, but his application of an ethical doctrine to large scale public activity was certainly novel. It is full of difficulty and perhaps ends and means are not really

separable and form together one organic whole. In a world which thinks almost exclusively of ends and ignores means, this emphasis on means seems odd and remarkable."

The meeting of two of the greatest minds of the century goes back to 1916, to the Congress session at Lucknow. Since then both drew so close to each other that history will find it hard to separate them.

What drew Nehru to the Mahatma? "I think," says one of Nehru's biographers, "it was the rebel in Gandhiji, a man who hated injustice and cruelty, who refused to be content with the mere enunciation of lofty principles but insisted on action which drew the one to the other."

Freedom to Nehru, like Gandhiji, meant not only political independence but also freedom from economic want. He said:

"If it is to have any meaning, political democracy must gradually or, if you like,

rapidly lead to economic democracy. If there is economic inequality in the country, all the political democracy, and all the adult suffrage in the world cannot bring about real democracy."

As early as 1948, Gandhiji had also said, "Economic equality is the master key to non-violent independence. Working for economic equality means abolishing the enternal conflict between capital and labour. It means the levelling down of the few rich in whose hands is concentrated the bulk of the nation's wealth on the one hand, and the levelling up of the semistarved naked millions on the other. A non-violent system of Government is clearly an impossibility so long as the wide gulf between the rich and the hungry millions persists."

As free India's first Prime Minister for seventeen years Nehru laid the foundation of our democracy, our secularism, and our foreign policy. His thinking, like Gandhiji's, followed an astonishingly consistent pattern.

It was his firm conviction, as it was Gandhiji's, that the progress of India can be and should be measured by the progress of women. "Our political movement swept away many social barriers and brought the women out. That shows that our political movement was something much more than a political movement, because it affected the lives of all classes of people......It affected women. affected children. peasantry, the industrial workers It affected the others. So, it was a vital movement which affected every class and every group in India. That is what a real movement should be. And in this movement be women of India, undoubtedly, played a exceedingly important part."

Again, speaking at Madras in 185 Nehru said: "It may be possible to 186 lect men's education but it is not possible nor desirable to neglect women's education. The reasons are obvious. If you educate women, probably men also will be affected and in any event children will be the by affected."

It is scarcely different from Gandhij remarks:

"I have pointed out from time to that there is no justification for to deprive women of, or to deny to equal rights on the ground of illiteracy. Education is essential for bling women to assert these natural right to exercise them wisely, and to work their expansion."

"The future of India," Gandhiji your knees, for you will nurture the future of India to become simple, God-fearing brave men and women, or you can be storms of life and used to foreign which they would find it difficult in all if to discard."

All this does not mean that Gandhi and Nehru did not have any differences, from did have differences, and they were in discussing them in person or correspondence. The difference mostly of emphasis. But each difference brought them closer, with greater affects for each other.

's deep regard and affection for atma found moving and memoraance when "the light has gone

light has gone out, I said, and yet rong. For the light that shone in ntry was no ordinary light. The it has illumined this country for many many years will illumine this for many more years, and a lyears later, that light will still be this country and the world will lit will give solace to innumerable. For that light represented somethan the immediate present, it ted the living, the enternal truths, g us of the right path, drawing us or, taking this ancient country to

Two days later, on February 2, 1948, Nehru said in the Constituent Assembly:

"Great men and eminent men have monuments in bronze and marble set up for them, but this man of divine fire managed in his lifetime to become enshrined in millions and millions of hearts so that all of us became somewhat of the stuff that he was made of, though to an infinitely lesser degree. He spread out in this way all over India not in palaces only, or in select places or in assemblies but in every hamlet and hut of the lowly and those who suffer. He lives in the hearts of millions and he will live for immemorial ages."

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Government of Orissa, Bhubaneswar

C. and its role Industrialisation

ndustrial Development Corporation iced its operation in the year 1962. time it had only one producing .., Kalinga Iron Works at Barbil. tently, steps were taken to consira Cement Works at Bargarh, ing Mill, Cable Works and Hirakud ia<mark>l W</mark>orks at Hirakud, Tile Factory wdwar, Salt Factory at Sumandi rr<mark>o-Chrome Plant at Jajpur Road.</mark> ese new units were in a state of stress and strain for a considerable due to want of funds. Therefore, : c<mark>ame.up requiring to consolidate</mark> ivities and only since last year, the rial Development Corporation has sed itself in an appropriate manner l its Units have stepped up produccontribute to its stability.

SUSTAINED ENDEAVOUR

Development Corporation has voured to promote some of the which are gradually taking shape.

These are Talcher Industrial Complex, Paradip Fertiliser Plant, Ferro-vanadium Project, etc. For the Talcher Industrial Complex, the Industrial Development Corporation has spent nearly Rs. 18 lakhs and has carried out many valuable tests and survey which have contributed greatly for the preparation of the feasibility report on the Talcher Fertiliser Plant, Carbonisation unit and Pig Iron Plant at Talcher. The Industrial Licence for Ferro-vanadium plant has been secured this year and now tests are being conducted to compile the detailed project report. The Consultants Messrs. M. N. Dastur & Company and UNIDO are helping in the pre-investment studies and compilation of Project Report which has got priority. The construction work may be taken up in 1971.

NEW PROJECTS

Besides. the Industrial Development Corporation is now taking steps to expand the Ferro-Chrome Plant from its rated capacity of 10,000 tonnes to 25,000 tonnes

per annum. It is also giving necessary assistance for the promotion of nickel

extraction plant at Jajpur Road.

The Sponge Iron Plant utilising high grade Iron-ore has been planned to be set up in the iron-ore belt close to Barbil for production of feed-stock leading to the manufacture of billets.

A Lead Smelter has also been suggested to be set-up in Sundargarh district as sufficient reserve of lead bearing material is available there.

The I.D.C. has taken steps to promote a X, Benzene Hea Chloride Plant near the Jayshree Chemicals, a Tyre and Tube Plant and various other ancillary Units.

For undertaking all these new ventures, it is necessary to develop a ning and Design Cell under this Corporation and steps have already been taken to build up this Cell. The Engineers of the Corporation will be participating in the designing, planning and engineering of the Industries for private and public sectors. With the vast mineral resources available in Orissa it has been felt necessary that such a Cell will catalyse the industrial activities to a great extent.

LOCATION OF STEEL PLANTS

In the field of major Industries like Steel Plants, Industrial Development Corporation has already high-lighted the concept of industrial belt with emphasis on Bonai and Nayagarh as ideal Steel Plant sites in our country. On the basis of raw material reserves, investment on infrastructure, transport cost, these two locations have got unique advantage. Couple

of years back, the Steel Ministry ted survey for establishment of Pig with Mo plants in consultation Dastur & Co. and Kuljian and it has indicated in the order of priority two places enjoy very high position both the Consultants have stressed ten million tonnes capacity steel can be easily located in this area any difficulty.

The Corporation previously production contact well-reputed firms like Co., to draw feasibility report and certain restrictions by the Government India, they have not been perpilitake week take up the assignment in spite of instructions to them to do so. It is stood that these restrictions have lifted very recently and the State ment are taking steps now in consult with the I.D.C. to finalise this assignment quickly. One should appreciate such a major task, the Corporation got its limitations, as certain which are which are really essential to process a project, are to be made available. Central authorities.

On the L

On the basis of techno-economic deration the following points mentioned briefly in favour of Botton Nayagarh Steel Plants—

(1) Rich reserves of iron ore stone and manganese dist ranging from 10—100 mig are fact in To fact, in Bonai, iron-ore is the ble at a 2. ble at a distance of 5 miles Fe-content more than cent and so also in

(See Page 32)

PLANNED DEVELOPMENT OF INDUSTRIAL BELTS

ast country like India, where the mexplosion is an acute problem ite the national economy, it is important that the tempo of lisation should be accelerated in achieve the stipulated economic of 5-6 per cent per annum. To employment to her millions, to skills of our talented people and the living standard of common apparatus for planning must be tened in all respect to achieve this and to prevent the country from nal catastrophe.

DEQUATE INFRASTRUCTURE

ng the last three plan periods, the ial development in this country has need tremendous difficulties due to in socio-economic and political re. The strain and stress has ad the growth to a great extent during

the Third Five-Year Plan. In this context, it may be emphasized that in any developing country, the industrialisation is planned and guided by well-defined criteria, i.e., raw materials, water, power, transport and marketability of finished products. In Orissa, although nature has provided raw materials of rare availability, abudant water and power resources, yet the transport inter-link has constituted a major bottleneck in the growth of her infrastructrue. With the realisation of Cuttack-Paradip rail link and subsequently, Talcher-Bimlagarh rail link, an industrial belt, which has been conceived by us sometime back, connecting Rourkela-Bonai-Talcher-Cuttack-Paradip can be developed. Similarly, another industrial belt can also be conceived joining Banaspani-Nayagarh-Gandhamardan-T o m k a-D a i ta r i-Jakhpura-Paradip. In the district Mayurbhanj, another cross industrial belt can be developed joining Gandhamardan-Keonjhargarh-Karanjia-B i s o i-Rairangpur-Gorumahisani. In Koraput district an industrial belt connecting Malkangiri-Sunki-Balimela, etc., can be developed.

In this background, the concept of industrial belts will have to be systematically pursued for the purpose of planning of the State since no industry can find its full growth in isolation. If one realises the development of industries in Germany or in USA or in Japan, the industries always have got a system of growth, which the final product of one industry constitutes the raw material of another industry so as to maximise the productivity. In Orissa, similar planning has to be conducted to ensure the industries on some rational growth of basis atleast for the coming two decades. In the following paragraphs, I shall briefly deal with the industrial potentialities of different industrial belts on the basis of information available with us now.

ROURKELA-BONAI-TALCHER-CUTTACK-PARADIP

Rourkela-Rourkela area, well-known with the existence of the although steel plant, fertilizer plant, Utkal Machinery, and many other small engineering units, has not yet fully developed. Recent survey shows that it is quite feasible to locate chemical equipment manufacturing plant near Rourkela with the plates, available from the Rourkela Steel Plant.

With the intermediate products of the fertilizer plant (ethylene, ammonia, and with the bye-products of the oven plant (benzene, napthalene, coke etc.)

there is possibility of realising a chi organic chemical industries, e.g., str aniline, phthalic-anahydride, caprolactum, and carbon black, etc.

A Lead Smelter can also with the galena available in the district Sundargarh.

Bonai-A million tonne integrated and steel plant can be set up at No area, which is about 50 KM soll Rourkela. The elevation about 550 ft. above mean sea level site is accessible by the S. E. Rly railway station being Patasai Bondamunda-Barsua Branch of S. f from where a branch or a siding 10 KM can be constructed to constructed An all-weather road complete Rourkela, Tansa and Joda passes this area. A large acreage of land 10,000 acres is available, which limitation for its expansion.

Dam of proposed Lodani Brahmani river can be the potential of water with the construction of canal from this Dam to the site.

The existing Hirakud-Talcher grid runs at an aerial distance of from the site. There are sub-state Joda and Rourkela at a distance production of the standard so KM and 50 KM respectively. transmission line between Joda and garh would garh would pass within a distance KM from this site.

meet works and Raw materials which requirements of the steel follows:-

(i) Iron-ore—This complex can be from Khan ore from Khandadhar block owned Orissa Mining Corporation, which is 40 KM from the site. OBJECT TOWN MAY

Al—Jharia coal at a distance of Ramgarh coal at a distance of with suitable percentage from each the coal requirement of the plant. Sport of coal from Talcher can se after completion of the proil link between Bimalagarh and

nestone—Birmitrapur at a distance
M. can be the source of limestone

anganese—Dumaro at a distance 5 KM, and Banspani at a distance t 150 KM, will be the source of f manganese ore for this complex.

zr-As it is well-known, a fertilizer being taken up by the Fertilizer tion of India Limited to produce onnes of urea per day. This r plant is based on the utilisation coking coal available at a distance from the proposed site. Recently, ne has been finalised to instal one 3 gas retort of 120 tonnes coal nout per day to produce reactive or ferro-alloy industries. Arrangebeing made to construct a 'formed mit soon, which will utilise r coal for production of shaped coke ised in the small blast furnaces. oke will be given thorough trial in uall blast furnaces of the Industrial p<mark>ment Corporation of Orissa Limi-</mark> OCOL) at Barbil.

ntually, an iron complex is expected installed at Talcher utilising iron com Tomka and Daitari. The river nani flowing nearly, 6 KM. away from lant site will meet the water require-

ment of this industrial complex and the Talcher Thermal station, which is close by, will cater to the power requirement of various industries. Talcher is about 200 KM. away from Paradip Port. So, he finished products from Talcher can be exported easily to various countries. The low phosphorous pig iron produced at Talcher will meet the requirement of engineering industries to be developed in the area between Talcher, Cuttack and Paradip.

Paradip—There are great potentialities for development of various industries near Paradip. If at a future date, our country needs to have a coast based steel plant, Paralip may offer the most suitable site for following reasons:

- (i) There is abunlant supply of sweet water at Paradip with close proximity of river Mahanadi as well as a perennial sweet water canal. If the existing canal cannot supply sufficient amount of sweet water to the proposed steel plant, a separate pipe line of not more than 20 KM. can be constructed from river Mahanadi to feed sufficient amount of sweet water for the project. This facility is not available in most of the ports of our country.
- (ii) The lagoon of the Paradip Port has got in its bottom sandy soil and therefore, it can be dredged to any depth to admit bigger ships. At present, the provision is made to get 60,000 tonners.
- (iii) The carrier, which is taking iron ore to various countries, can easily obtain coking coal from the countries like Australia, etc. The non-coking coal for blending purpose can be obtained from

Talcher, which is not more than 120 miles from Paradip and is being connected by rail link.

- (iv) The iron ore can be obtained from Tomka-Daitari area, which is at a distance of 92 miles from the Port.
- (v) At the first stage, the steel plant at Paradip can produce billets, which can be easily despatched to countries like Philippines, Indonesia and Malaysia, etc., where ample rolling capacity is fast developing. In this connection, it may be more advisable to export semi-finished goods than a raw material like iron ore.
- (vi) As the Paradip Port is in the process of development, lot of Government land can be made available for the steel plant without any rehabilitation problem.

Besides the steel plant, the following industries can also be planned at Paradip:

In the chemical side, a phosphatic fertilizer plant has already been planned and it is hoped that some of the private entrepreneures may take it up in the near future. This phosphatic fertilizer plant will import phosphatic rock and naphtha ammonia till the refinery is implemented A polyester plant can also be planned at Paradip. Close to Paradip Port, there are areas for development of salt industry. As and when this industry is developed, other industries like soda ash, ammonium chloride, caustic soda, etc., can be planned. With the installation of a petroleum refinery, petra chemical complex will also gain ground. It is relevant to mention here that Paradip may provide an excellent base for an oil

refinery since the infra-structure at Paris well developed to realise this proposed is well developed to realise this proposed in the possible to have a pipe line connected Haldia-Paradip-Vizag. to provide flexibing the operation of the refinery and supply fuel to the mineral belt for development of chemical and metallurgical in stries in the eastern coast.

Another industry of national important which has been planned but has not ground for quite some time, is smelter for manufacture of zinc, supacid, etc. There is ample scope industry to be developed at Parathe sulphuric acid produced will be material for realisation of many chemical industries.

In the case of engineering industries already mentioned above, a heavy and vessel unit can be established Paradip. A ship building yard planned at a future date.

BANSPANI-NAYAGARH-GANDHA MARDAN-TOMKA-DAITARI JAKHPURA-PARADIP

Barbil: The Kalinga Iron Works the management of the IDCOL has designed to produce foundry iron of nearly 200,000 tonnes per using nutcoke and iron ore fines.

Recently, a Sponge Iron Plant using grade iron ore, coke and iron ore been planned at Barbil. The Sponge will be used for the production billets for the Rerolling Mill of the at Hirakud. Besides, a Pelletisation at Barbil is under active consideration the IDCOL.

Joda, ferro-manganese plant is in ation and other ferro-alloys industries be set up there.

jpur Road: The IDCOL has already lled a Ferro-Chrome Plant for producof high carbon ferro-chrome, and low on ferro-chrome. The IDCOL has planned to instal a dichromate plant its Ferro-Chrome Plant. Besides, to the Ferro-Chrome Plant, Governof India are planning to instal a el extraction plant.

yagarh: A big iron complex can be up at Nayagarh near the ipra, which is situated at about ft. above mean sea level. link can 1 Nayagarh-Paradip rail construction this site with the Highway State Km. siding. The ecting Jamshedpur with Keonjhar via Dasa will pass on the eastern boundry e site.

large area of 14,000 acres of land is able, which can very well take care of epansion together with the establishof an industrial estate around this plex. About 60 per cent of this area rren.

e proposed Jharpara Dam on the trans river will meet the water irement of 20—25 cusecs.

ith the construction of 220 KV her-Joda grid through Nayagarh, the mission line will run nearly 2-3 KM from the proposed site.

w materials which can meet the irements of this complex are as ws:—

Iron-ore—Malangtoli block at a nce of 25 KM can supply the iron-

- (ii) Coal—Jharia and Ramgarh at a distance of 280 and 300 KM respectively can meet its coal requirement.
- (iii) Limestone—Biramitrapur at a distance of 290 KM or alternatively, Bilaspur at a distance of 510 KM will supply the required amount of limestone.
- (iv) Manganese--Banspani at a distance of 50 KM will supply the manganese ore to this complex.

Tomka-Daitari-The iron ore mines at Daitari are being developed for the export of iron-ore of plus 12 mm. size. under-sizes ranging from 6 to 12 mm. have been envisaged to be used in the iron complex at Talcher. The fines below 6 mm. can be utilised efficiently for pig iron production after necessary sintering near pelletisation. Therefore, Tomka-Daitari, there is great possibility to instal pelletisation unit, ferro-silicon plant, etc., utilising the raw materials available nearby and the coke from Talcher.

GANDHAMARDAN-KEONJHAR-GARH-KARANJIA-BISOI-RAIRANGPUR-GORUMAHISANI

In this industrial belt, Joshipur has got great scope to develop China clay industry. From Joshipur to Bisoi, there is potentially rich mineral belt in Similipal mountain range, where valuable minerals like nickel, chromium, etc., are available. This area is under investigation of the Geological Survey of India and it has been reported to be very promising.

Near Rairangpur, there are vanadium bearing titaniferrous magnetite ore deposits in Kumardubi and Betjharan areas and recently IDCOL has planned to set up a ferro-vanadium project near Gorumahisani.

In this area, refractory works, ferrosilicon plant can also be planned with the first class quartz clay, etc., available from nearby sources.

INDUSTRIAL BELT IN KORAPUT-KALAHANDI AREA

The area near Rayagada is now quite well developed with an existing Ferro-Silicon Plant near Theruvali, Paper Mills, Ferro-Manganese Plant, and Aero-Engine Factory near Sunabeda. Besides this, the following industries can be planned:

- (i) Pig Iron Plant at Umerkote
- (ii) Integrated aluminium plant Jeypore.
- (iii) Cement Plant at Sunki
- (iv) Calcium Carbide and Silicon carbide plant in Koraput district.
- (v) News-print factory at Jeypore
- (vi) Integrated paper and pulp factory at Jeypore.
- (vii) Hard board and plyboard factories at Jeypore.
- (viii) Sugar factory at Nawarangpur

This industrial belt is not yet fully surveyed since the prospecting work this area is still going on. In this industrial belt, the transport facility constitutes a major bottleneck and the situation has improved considerably after the construction of the new railway line to Vizag.

INDUSTRIAL BELT CLOSE TO MAHANADI BASIN

Due to the realisation of the Hirakud Dam, the area around Hirakud Dam has developed to a considerable extent with the Aluminium factory at Hirakud besides Re-rolling Mill, Cable Plant and an Industrial Works of the IDCOL. The Cement Plant of the IDCOL at Bargarh is very close to Sambalpur. Besides these, a

Refractory Plant at Belpahar and a Pap Mill at Brajrajnagar are in operation a long time. In this area, the follows industries can also be planned:-

- (i) Ferro-silicon plant near Belpal
- (ii) Ferro-titanium industry Sambalpur.
- (iii) Vanaspati industries at Samb
- (iv) Breweries at Sambalpur

GANJAM AREA

In Ganjam area, a caustic soda plant already in at Chatrap operation Besides, a Salt Factory of the IDCOL also in operation at Surla-Sumandi in district of Ganjam. With the available of vast coastal land suitable for salt facturing, salt industries can be developing large and in large and scientific way to harvest trial grade salt, which can help the deep ment of some other industries like sold ammonium chloride, etc.

Lastly, those industrial belts, if proper planned, will provide industrial prosperity of not only and but the entire country. For realising systematic growth, it is most important pursue the pursue the implementation of important links like Talcher-Bimalgarh, Nayagarh-Gandhamardan-Jakhpura lastly, Gandhamardan-Jakhpura It may be mardan-Joshipur-Rairaga It may be mentioned here that the interpretation of the interpreta enclosed by the two industrial belts (i) Rour kela-Bonai-Talcher-Cuttage Paradip, and (ii) Banspani-Nayabil Gandhamardan-T o m k a-Daitari Pura-Paradip, can be termed at complete TRIANGLE' of our country mineral point of view and if political emotion described as a superior of the superio emotion does not stand in the way, poly provide firm base for the development metallurgical electrometallurgical metallurgical, chémical industries.

HOUSING PROBLEMS IN ORISSA

Housing shortage and unsatisfactory tion of houses. Housing shortage both in urban and rural areas, ng shortages are due to increase in areas and the breakdown of tradijoint family system. The unsatisfactory to the conditions of housing are due to interest in the conditions of housing are due to interest in sanitation, watery, public utilities, and poor ventilation.

Orissa, like other States of the country ity of housing is experienced not only was but also in villages. Orissa is a State with total area of 60,164 Sq. State with total area of 60,164 Sq. With total urban population of 3,650 out of the total population of

17,548,846. But the rural population during the same year was 16,439,196. As regards housing the figure in 1961 was 3,702,725 out of which 3,437,840 or 92.8 per cent were situated in rural areas and only 7:2 per cent or 264,885 in urban areas. There is a remarkable change when we compare to population and housing of 1951 with that of 1961 figures. In 1951, the total number of houses was 3,008,716 which increased to 3,573,863 in 1961, i.e., an increase of 565,147 during the decade. In otherwards, when the number of houses has increased by 10 per cent, population has increased by 20 per cent from 1951 to 1961. Thus, there was greater congestion and overcrowding in inhabited dwellings. The decadewise increment of houses in Orissa will give a clear picture.

Decadewise Increment of Houses in Orissa

ar	No. of house	s <mark>(in lakhs)</mark>	Increment (in lakhs) (3)	
	2	4·1 6·4	2.3	
	2	8.9	2·5 1·2	
		90·1 95·7	5.6	

It reveals that the rate of increase was highest in 1961 due to implementation of various housing schemes, both in urban and rural areas.

In order to have a clear picture of the

problem of urban housing in Oriss would be better to analyse the position towns having population of 30,000 above. Such towns with their population of 30,000 and housing stock are given below:

No. of houses available for every 100 population in the towns of Orissa having population of 30,000 and above

SI. No.	Name of the town		population (1961)	No. of houses in (1961)	No. of houses available for ever
(1)		(2)	(3)	(4)	100 population (5)
1	Cuttack	3-44 - 413 - 51 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -	Ed all dive		
2	Rourkela		146,308	27,888	19.0
3	Berhampur		90,287	29,052	32.1
4	Puri		76,931	19,696	25.6
5			60,815	12,980	
17 44 1	Sambalpur		38,915		21.3
6	Bhubaneswar			8,626	22.2
7	Balasore		38,211	8,807	23.0
	Ph 1		33,931	6,958	20.5

The above table reveals that Cuttack city is very much over-crowded. Of the above towns the position in Rourkela, the modern Steel town seems comfortable as there are only 3 persons living in a census house. The reason may be that many of the individuals live without full compliment of family members. Cuttack is over-crowded, as the city has not expanded its housing activities due to geographical barriers. The condition in the rural areas of the State is also equally bad.

A correct estimate of the housing needs of the population vis-a-vis their income-

levels is the first step for evolving at housing policy. Owing to lack of adel data, it is difficult to have a correct mate of the housing needs The recommendation of the Committee Housing, Building and Planning of Nations: Nations is relevant in this contest. Committee underlined "the recognised to adorroom to the recognised for adequate statistical data as a effective projections and programming so housing arrojections and programming for a for a few sections. housing and community facilities for as quantitall sing the housing situation in and qualitative terms and for a periodical review and review and evaluation of housing and developments". In this connection

need for development of basic g, building and urban development cs at the national level" was stressed "the need for close collaboration n housing agencies and agencies sible for the collection and analysis statistics".

HOUSING PROGRAMME

village housing project scheme has a operation in Orissa since 1958-59. a centrally sponsored scheme and t providing adequate housing and amenities in selected villages. The lovernment has set up a Rural g Cell. The functions of the Cell

- to draw up layout plans for villages;
- to prepare suitable design and specification for houses with due regard to local condition;
- 3) to provide overall technical guidance;
- to give attention in providing roads, drainage, sanitation, water-supply and community facilities; and
- 5) to ensure that money available for the project is properly spent.

the end of 1967 this scheme is reporp have covered 291 villages, spread 81 C. D. Blocks.

the Second Plan it was estimated that houses would be constructed out of utlay of Rs. 40 lakhs. But achievement far behind. During Second Plan nditure incurred totalled 27.99 lakh

rupees or 70 per cent of the outlay. During Third Plan 25.37 lakh rupees was spent and target for 1966-67 and 1967-68 were 2.00 lakh and 3.00 lakh rupees, respectively.

The decreasing outlay in the annual plans under the scheme was responsible for reduction in overall plan outlay.

HOUSING BOARD

The Housing Board was set up in Orissa with the following objective:—

- (a) to avail the Central and State Housing fund;
- (b) to collect data regarding housing need of different classes of people and to undertake surveys for the purpose;
- (c) to undertake the construction of houses in selected areas according to approved plans;
- (d) to encourage self-help in house building with necessary aids by way of technical assistance, etc. and
- (e) to organise building trades.

The bottleneck in the housing programme can be enumerated below:—

- (i) Delay and difficulties in acquisition and development of land;
- (ii) Lack of comprehensive development (Master Plan) for the towns;
- (iii) Difficulty in formulating schemes in conformity with the standard fixed by the Central Government such as subsidised industrial

housing scheme and slum clearance; and

(iv) absence of co-ordination among various agencies.

In many cases criticism has come from many quarters with regards to selection of site without due regard to place of work of the occupant and distribution of funds among the various schemes without any regard to the actual demand among various income groups. The tendency even to day for urban housing scheme is to select some Government land or to acquire some vacant land wherever it is easily available without much regard to its location and proximity to the main work centre of the town. Scattered development of small housing area does not faciliate establishment of ideal residential neighbourhood, with basic amenities and services like * schools, shopping centres, etc. Hence avoid all such difficulties it is desirable that all housing activities are brought within frame work of Master Plan prepared for all the towns and implemented by a specialised agency.

The problem of housing shortage can be solved by giving encouragement to private and public housing. Private sector can be encouraged by way of providing loans at lower rate of interest, supply of building material in sufficient quantities and also providing suitable site at reasonable cost. It is also necessary to evolve low cost housing design befitting the climate and

The major bottleneck in implementation of the people of housing scheme is the delay and difference in acquiring land in urban areas. To can be avoided if the State Government or local bodies acquire land in advance for the case in and around the urban area.

Town Planning plays a vital role regard to housing problem arising due unsatisfactory condition of existing house To relieve the congestion in a city or lit requires planning in advance, development of a city or a town is governed by the type of building bye-law

The housing problem is also close associated with the Town Planning the town is not regulated according to plan, the growth is likely to be haphard. The modern theory of Town Planning based on the broad lines of the requirement of the country or the State as a whole brief the aim should be to evolve grated urban-rural region which provide stable and diverse employment reasonable social and economic cost.

Housing is a public necessity like education and public health. In urban healthy manners and morals of people influenced by housing. In view of vastness of the problem and the final difficulties of the State Government for Central Government has to accept a measure of responsibility in final housing programmes.

SELF-RELIANCE IN DEFENCE

fence industries have been firmly lished in the country, the production g crossed Rs. 250 crores annually is making sophisticated warships, sonic aircraft and modern tanks; es meeting the entire needs of small and ammunition.

e country is now self-sufficient l arms, light artillery weapons and ammunition. the of In range artillery more lum weapons, the ones are fast replacing itional weapons. Larger numbers ctiman and Nissan vehicles are being olied to the Services.

Ordnance factories to produce new of arms, ammunition and equipment.

Inance factories have taken up the llenging task of meeting the varied complex requirements of the Armed ces. Side by side, the modernisation he old factories is in full swing.

Production in the two new factories—engineering factory at Ambajhari and

the filling factory at Chanda has started and they are expected to be fully commissioned later this year. The new vehicles factory, which will increase the present production of vehicles two-fold, is expected to be commissioned next year.

The public sector undertakings, the Ministry of Defence have backed defence effort with their performance. Their efficient management has resulted in a profit of Rs. 9.67 crores during 1968-69 These undertakings have been showing profits from 1965 onwards. They comprise the Hindustan Aeronautics Ltd., Bharat Electronics, Mazagon Goa Shipyard, Garden Workshop, Bharat Earthmovers and Praga The production in these public sector undertakings is almost double the output in 1966-67. It is expected that the production will touch Rs. 140 in 1969-70.

The Bharat Electronics Ltd., has won the pride of place among the electronic factories in the country. It has successfully undertaken the manufacture of a whole new batch of electronic equipment for the Services and has also taken up the challenging task of developing futuristic equipment, which will replace the existing equipment.

The major task now is to develop and productionise a family of equipments which will replace the trans-receivers, transmitters and radars now under Services. The Bhart Electronics Ltd., is poised in a very confident position A number of to do this. trans-receivers designed advanced on concepts developed and have been are under test and the Radar Division has developed three types

The production of electronic equipment required by the Air Force and the Navy is being increasingly taken up. Sets required by the Air Force and the Army after what is called 'UHF-isation' are also being developed. It is expected that the expansion of the base for the production of components in the country and the electronic industry in general will contribute to the attainment of self-sufficiency in this field.

AIRCRAFT & WARSHIPS

In the field of aeronautics, the tasks facing the State-owned Hindustan Aeronautics, Ltd. are even more challenging. While the Bangalore factory is producing the supersonic and other aircraft, the MIG complex at Nasik, Hyderabad and Koraput has been fully established and deliveries are on schedule. In the years ahead, the MIG complex will ensure a rapid increase in the indigenous content of its product.

The Hindustan Aeronautics, Ltd. has also been producing the famous Gnat fighter

aircraft, Alouetté-III helicopters, HS. It transport aircraft, a jet trainer and air-observation post aircraft for the American description aircra

The aircraft industry and the deleter requirements for aircraft have recent been surveyed by the Aeronauto Committee. This Committee has made number of recommendations which hoped to guide development of the aircindustry in India even as the Bhall Committee report has guided the growth of the electronic industry.

come to Committee has conclusion that indigenous production development of aircraft in suitable is possible, viable and within the tence of Indian industry. It has endo the attempts at indigenous development aircraft and their engines. If advance planning and proper manage effort is brought to bear, it should possible for the HAL, among other to meet the future requirements of grad attack fighters and helicopters by development and he ment and licence production.

The second India-made frigate is shape, while the first one is being with weapons and electronic equipment order for three frigates. The first christened INS 'Nilgiri', is expected to end of next year. Indigenous production of a large variety of equipment is established in the country and an ancillation built

In the first frigate, the indigenous The value of indigenous items in the second

is expected to go up to Rs. 5 crores, a total of Rs. 18 crores spent on it. ant items like the propulsion ery and radar system will be covered genous production.

Mazagon Dock has also completed a r of jobs for the private sector. in addition to ship repairs which foreign exchange. Two oceaniners have been taken up for ction for the Shipping Corporation a.

her maritime venture under the top, is also forging ahead. A new diesel engine factory is being hed at Ranchi and production is to commence later this year. Reach Workshops are now as the leading shipyard in India construction of dredgers.

RESEARCH

Research project-oriented Defence this defence sation is backing up development. research and thousand scientists are working to the field of nd. They work in electronics. engineering, autics and missiles, besides a number Services. the ler projects useful to

ong the recent successes are a light tain gun, anti tank gun, rocket for f aircraft with high explosive warand an armoured recovery vehicle ijayanta tanks.

Department of Defence Supplies has an impact on the problem of imports itution. The Department handles rocurement of stores, the production ich has still to be established in the trade.

Sample rooms have been set up at Delhi, Bombay, Calcutta and Madras enable the entrepreneurs to have a look at the items and submit their offers types of stores. manufacture different Seven technical committees have been offers received. set up to scrutinise the orders recommend placement of assist the Department of Defence Supplies in technical matters. These committees are guided by a Central Committee.

Due to the special efforts made by the Department, orders for 5,000 items of the value of Rs. 33 crores have been placed with the private sector. Production of some very complex items have been established and bulk supplies have started.

Planned and organised efforts are now being made by the Department of Defence Supplies to harness the resources of the civil trade and the public sector from outside the defence complex to achieve not only import substitution, but also to mobilise the available resources for achieving self-sufficiency. This Department has set for itself a target to achive import substitution to the extent of Rs. 200 crores during the Fourth Five-Year Plan period.

The country is now venturing in a concerted way into the sophisticated fields of weaponary and their equipment, having achieved a good measure of self-reliance in regard to the traditional items of arms and equipment. India is not looking to foreign sources today to do turn-key jobs in the country. The need to establish indigenous capability for sophisticated items for meeting the requirements of the Defence Services is the sheet anchor of the Government's policy, towards which all efforts are attuned.

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MEGHALAYA A STATE WITH IN A STATE

the Assam Reorganisation aya) Act, 1969 of Parliament on December 24, 1969, was inauon April 2, 1970.

new autonomous State which is nature of a State within the State am comprises two hill districts of — United Khasi and Jaintia Hills aro Hills. Of the remaining hill ts the North Cachar Hills and the Hills have opted to remain within sam State while the option of the Hills have opted to remain within Hills district has to be decided on.

and east and Brahmaputra valley on orth and North Cachar and Mikir on the east, the new autonomous has an area of more than \$500

square miles. The total population of the two districts comprising the new State is 769,380 according to 1961 census. But the present population of the State is estimated to be nearly 900,000. The hill areas of Assam have a total population of over one and a half million. The population of Meghalaya predominently consist of the Khasi, Jaintia and Garo tribals. According to 1961 census the density of population per square mile in Garo Hills and Khasi and Jaintia hill districts was 97 and 83 persons respectively.

RESOURCES

Forests and forest products are the chief resources of the new State. Coal and Limestone are available in considerable quantities both in Garo Hills and Khasi and Jaintia Hills. In addition, sillimanite in purest form, fire clay, abrassive, ceramic and clay are also available.

POLITICAL SET-UP

The new State will have a 38-Member Legislative Assembly. The members of Assembly have already provisionally elected by indirect election. The members of the Garo and United and Jaintia Hills autonomous districts councils, having a present strength of 56 elected representatives constituted the electoral college. In the elections the All Party Hill Leaders Conference secured a majority in the provisional Legislative Assembly and the Party Captain Williamson Sangma, has been Chairman. designated the Chief Minister of State. The new State will have control of 61 out of 65 subjects in the State list.

So far as Meghalaya areas are concerned the Government and Legislature of Assam

will have jurisdiction in respect only of certain subjects importance including State highways, and hydroelectric pro industries, While the overall responsibility for and order in Meghalaya will remain Assam Government, have its autonomous State will also and town It will police. far as enforcement of power are conce subjects in its State list The Assam and Meghalaya have concurrent powers requiring fication by both State Assemblies subjects including acquisition of land

The new State will have a common High Court Assam. Shillong, the present Capital Assam and a popular hill station the common capital of both the State

(From Page 16)

The limestone deposit in Bonai (Birmitrapur area) for the Bonai Steel Plant is within a distance of 50 miles and Manganese is also available from nearby source.

- (2) Both Bonai and Nayagarh have no difficulty for water supply as Bonai Steel Plant will be fed by Brahmani and the Nayagarh tarani.
- (3) Large acreage of levelled land is available for the installation of steel plants close to the rail-

way line already developed both the areas.

- (4) After the realisation of Bimlagarh railway line, will be within a distance miles from Paradip Port.
- (5) Talcher coal which is with the coal from easily be transported after the realisation of Bimlagarh railway line coal can be easily transported to Bonai in wagons carrying pre from Kiriburu area.

RIGATION AND POWER POTENTIAL

potential of 2·1 tional irrigation acres was created and 1.4 million added to the installed tion capacity during 1969-70. Rural fication, energisation of pumping control tubewells and flood on a undertaken also were have been ty basis. These facts Report for ht out in the Annual for Power linistry of Irrigation & 70.

tt of 545 major and medium irrigation the beginning ects undertaken since projects have 1e Five-Year Plan, 325 projects the completed. Some of started also er construction have an additional ding partial benefits and million acres gation potential of 24 n major and medium irrigation projects been created since the commencement the First Plan. With the completion of the projects in hand, another 22.5 million acres of irrigation potential will be created. Even so, at the beginning of the Fourth Plan only a third of the usable annual flow is being utilised. While the emphasis in the Fourth Plan will be on the speedy completion of the continuing projects, a few new projects would be taken up to maintain the tempo of irrigation development.

An Irrigation Commission was set up a April 1969, to review the development of irrigation in the country and to report on the future programmes for integrated development of surface and ground-water resources for maximising agricultural production. The report of the Commission is expected by April 1971.

Inter-State disputes concerning the rivers Krishna, Godavari and Narmada

Democracy means tolerance, tolerance not merely of those who agree with us, but of those who do not agree with us.

-NEHRU

could not be settled through negotiations. Three Tribunals were, therefore, constituted under the Inter-State Water Disputes Act, 1956 (as amended in adjudicate on these disputes—two in April 1968) to 1969, for the Krishna and the Godavari and the other in October 1969, for the Narmada. The adjudication proceedings

POWER DEVELOPMENT

The growth of agricultural and industrial production is closely dependent on availability of power supply and hence, the highest priority has to be given to meet the load demands based on sound forward Planning. Power development over the last two decades has been noteworthy but shortages continue to persist in some reigons. By the end of 1969-70, the installed capacity would touch 15.5 million K.W. as against the installed capacity of 2.3 million K. W. at the commencement of the First Plan-thus achieving more than a six-fold increase. However, we have still a long way to go before we reach a reasonable level of per capita consumption of power. The load growth is being reviewed continuously and steps are being taken to establish an installed capacity of at least 22 million K.W. and if possible more by 1973-74.

Rural Electrification has received special attention, as electricity supply to rural areas meets the urgent needs for stepping up the

utilisation of ground water resources agriculture and for agro-based industrial The number of irrigation sets energised increased from 18,700 in 1951 to about lakhs by the end of March 1969. Fourth Plan period, it is expected about 12.5 lakh additional pumping would be energised—of these 7.5 pumping sets would be financed the Plan outlays and about 5 lakh pull sets through loan assistance to be proby the Rural Electrification Corpor which has been set up in the public set The main objective of the Corporation to provide financial assistance outside State Plan ceilings for rural electrification schemes, including assistance of terms to rural electric co-operatives. Corporation will have, at its old Rs. 150 crores during the Fourth

The number of villages electrified to September 30, 1969 stood at 73,59 presenting about 13 per cent of the number of villages in the country population benefited by rural electrical up to the end of September 1969, was million comprising about 31 per central total runs. total rural population in the Special efforts are being made to make resources and accelerate the programme

An Expert Committee has been set up the Government of India to atility measures to achieve utmost expedition

Democracy demands discipline, tolerance and mutual regard. Freedom demands and persuasion and not by violent means. If a Government by mutual discussion discussion and persuasion and not by violent means. If a Government by mutual discussion and persuasion and not by violent means. If a Government which commands that popular support has no popular support. and persuasion and not by violent means. It a Government has no popular support takes its place.

—N

onstruction of power projects, better tion of existing generating facilities ng of future schemes to utilise the economic energy resources in the and reduction in transmission This Committee is also availing of the assistance of foreign experts in lds of power survey, power system ion, manufacture and operation of s and generators.

e attention is being given to transn and distribution schemes and for etion of regional grids for the inteoperation of power systems in egion. Inter-regional tie lines are roposed to be constructed for evolh All-India grid.

FLOOD CONTROL

year 1969 witnessed floods of severe tude causing a total damage of about 3 crores to property and crops. Parts am, Uttar Pradesh, Bihar, West l and Rajasthan were the worst hit. re cyclone hit the coastal areas of Pradesh in May 1969, and theu in November 1969, causing immense The total damage was over 0 crores.

ing the year under report, a Central Forecasting Organisation was estad in the Central Water and Power Gauhati. centres at with nission Patna, Varanasi and ore, Surat. iguri. Of these, the flood forecasting

work by Centres at Patna and Surat was particularly useful and the forecasts issued by these centres assisted the States in making timely arrangements for relief and evacuation operations. A chain of Radar Stations is to be set up on the eastern coast of India to facilitate issue of timely warnings to the areas which are frequently hit by cyclone. One such Radar has already been set up and 5 more are to be installed in the course of next three years.

The periodic ravages caused by the floods in the Brahmaputra and its tributaries have been of serious concern to the Government of India as well as the Government of Assam. The Government of India have proposed the setting up of a Brahma. putra Flood Control Board to evolve and implement a comprehensive plan of flood control.

WATER AND POWER DEVELOPMENT CONSULTANCY SERVICES (INDIA) LTD.

As an important step in making India's expertise in the field of irrigation and power available to developing countries, a Consultancy Organisation by the name of Water and Power Development Consultancy Services (India), Ltd., has been set up in the public sector. WAPCOS which was set up in June 1969, has registered itself with U. N. agencies, Asian Development Bank, etc., so hat these agencies could consider inviting WAPCOS to bid for

-NEHRU

A University stands for humanism, for tolerance, for reason, for progress, for the A University stands for humanism, to the stands for the onward march of the adventure of ideas and for the search for truth. It stands for the onward march of the human race towards even higher objectives.

investigation, planning, design, consultancy and other similar work in respect of projects assisted by them.

INDUS WATERS TREATY

The Indus Waters Treaty, 1960 concluded between the Government of India and the Government of Pakistan provided inter alia (i) for a Transition Period during which, to the extent specified in the Treaty, India was to make deliveries to Pakistan from the Eastern Rivers and (ii) for making a fixed contribution of Pounds Sterling 62,060,000, in ten equal instalments, towards the part cost of the system of works which inter alia will accomplish replacement, from the Western Rivers and other sources of water supplies for irrigation channels in Pakistan which, on August 15, 1947, were dependent on water supplies from the Eastern Rivers. The Transition Period which was for a period of 10 years from April 1, 1960, would expire on March 31, 1970.* the ending of this period, all the waters of the Eastern Rivers (Ravi, Beas and Sutlej) would be available for unrestricted use in India. The tenth and the last instalment of India's contribution was paid on October

FARAKKA BARRAGE PROJECT

The construction of the Farakka Ban Project, so essential for the preservation the Port of Calcutta, has made satisfate progress. The work on all the 100 has the Barrage has been completed except raising of the piers. The Road Bridge the Barrage has been completed for after the Barrage has been completed for after the Left Bank. Efforts are made to accelerate the work on the canal and other ancillary works synchronise with the completion of Barrage.

INDO-PAK TALKS ON EASTERN BILL

The Fourth Secretary level meeting Eastern Rivers was held at Islamabal February 24 to March 2, 1970. Details on the Padma proposed by Pakistan Indian and Pakistan Projects on the issue relating to the Karnafulli in East Pakistan, and co-operative in regards to river training works on rivers in the eastern region, were cussed. It has been agreed that New Delhi within four months for carred forward the discussions.

*The Transition Period has since

I am proud of India, not only because of her magnificent heritage but also open to fresh and invigorating winds from distant lands.

-NEHRU

Technical Education and Employment Opportunities

the Twentieth second half of India with a ry has confronted ox. She has been drawn into the ution in Science and, by inference, ology that has changed the face of orld and expanded industrial develop-

There is at the same time an acute ulty in employing her own highlyfied engineering graduates.

THE PROBLEM

nc<mark>e 1947, when our country attained</mark> pendence, there has been an almost nomenal expansion of technical educaat all levels. In 1947, we had only engineering colleges with an admion capacity of about 3,000 students each

year. There were only 53 polytechnics with an admission capacity of about 3,700 students. Today, we have 120 engineering institutions at the first degree level which have an admission capacity of 25,000 year. The number of each students polytechnics has leaped to nearly 300 with an admission capacity of about 50,000 students each year. In 1947, we had hardly any facilities for advanced studies and research in engineering. Today, in addition to the Institutes of Technology and the Institute of Science, Bangalore, thirty centres have been developed for post-graduate studies and research in a wide range of engineering subject-fields. Provision exists for the training of 4,000 students at the post-graduate and research

Jawaharlal Nehru was one of the greatest figures of our generation, an outstanding Statesman whose services to the cause of human freedom are unforgettable. As a fighter for freedom he was illustrious, as a maker of modern India his services were unparalleled.

Dr. S. RADHAKRISHNAN

level. This is a record of which any country could be justifiably proud.

Unfortunately, we have today to face the problem of unemployment among many of our qualified engineers. According to a detailed study recently carried out, the total stock of our engineering manpower in 1965 was 2,29,300 of whom only about 7 per cent were not gainfully employed. The stock rose by 1968 to 3,32,000 and unemployed engineering graduates and diploma-holders shot up to 17 per cent. This was the period of our major recession. Today, we have about 10,000 engineering graduates and 46,000 diploma-holders who are still looking round for suitable work.

WHAT HAS BEEN DONE

Obviously, the problem has to be tackled on a priority basis. Fortunately, something has already been done. Last year, the Central Government announced a series of special measures to increase demand. These included the employment of engineers for preparatory investigations for irrigation and power projects; road transport development soil surveys etc. employment of engineers for the operation and maintenance of thermal power stations; employment of engineers in vacant posts in several organisations including Short Service Commissions in the Defence Services; development of Indian Consultancy

Services; the employment of engined private contractors; and the formatico-operatives by engineers to undeconstruction work and to render ser facilities in rural areas for agricultural machinery.

The State Governments, too, recothe urgent need for such decisions and vigorous steps to help engineers from operatives and set up small and scale industries. Through their lad Development Corporations, Governments have helped engineers up small and middle-sized industrie their own. The Gujarat Industrial poration gives to each engineer-enti neur fixed assets like land and fat sheds on easy terms. The Governmen Maharashtra has a scheme to help 3,000 engineers on various projects.

It is too early to assess the impact these measures but over 22,000 engines graduates and diploma-holders are report to have secured employment in 1968.

TARGET FOR TODAY

The question for 1970 is: what can do quickly and effectively to meet this awkward position? To consider first to do in the short-term with the engineers. The Madurai Polytechnic Tamil Nadu has allowed the use workshop equipment and machinery

I am not wedded to any dogma or religion but I do believe in the innate spirituality every individual should be given equal opportunity of the individual. I do believe that of the poor.

I dislike the vulgarity of the rich as much as the poverty

NEHRU

ed diploma-holders for production whenever this is not needed for are secured work. Job orders l industry for such products as nuts, making fastners and compooss arms for electric polls and ictural fabrications. The diplomactually execute these orders under nce of polytechnic staff. Then, ipal helps diploma-holders to get 's. Raw-materials are provided icts produced are sold to industrial city. About ions in the holders have done this productive d earned anything between eight rupees net per day, that is, ne cost of materials, hire charges nery, transport of finished goods

Participants under the scheme own self-confident and will be able p small workshops or repair shops own to become self-employed. It is no reason why this experiment be extended to all our polytechnics gineering colleges in a big way. We lise workshops, laboratory drawings a faculty of technical institutions in adustrial movement to re-vitalise the nic life of India.

ng-term in which we continue to ce engineering graduates that the

Apart from containing admissions to engineering colleges, we must here and now equip our students with the self-confidence and resourcefulness born of the skills of entrepreneurship, so that they can start small industrial units of their own. This means that we have to reorient our courses, survey the industrial potential of specific areas and help students to exploit this potential.

THE NEXT STEP

The Fourth Five-Year Plan that we have formulated reflects our concern about employment opportunities. So far, we have been concerned with establishing new institutions and expanding old ones. Today we are compelled to concentrate on the improvement of quality.

What is the full implication of a revolution in quality? The first essential requirement that any country can have for quality improvement is the improvement of the Teacher. In the last three Five-Year Plans, there has, as I said earlier, been a phenomenal expansion of technical education. We tried to equip staff to deal with its expanding student population both at colleges of engineering and in polytechnics. But there is still an acute shortage of staff on colleges of engineering (16·4 per cent in 1969) and in polytechnics (about 15 per cent).

Pandit Nehru had no hatred, prejudice or enmity against any one. He placed before the country the ideal of Poorna Swaraj. He wanted India and Indians to be completely independent and did not want the sovereignty of India to be hampered in any way. He independent and did not want the sovereignty of edges which is the message of put before the citizens of India the ideal of absolute freedom which is the message of the Cita also.

Faculty development is a continuous process that must provide for a wide range of opportunities for the serving teacher to improve his knowledge and professional competence. To do this, we started in 1963-64, Summer Institutes for engineering teachers. Every year, we run 30 of these Institutes with an average enrolment of 1,000 teachers. The Summer Institutes have done substantial work, but by themselves they cannot help to meet all the demands of faculty development. We have, therefore, to organise a carefully planned scheme of participation in field work for serving teachers at selected industrial organisations. To these centres, we must bring teachers from polytechnics engineering colleges for a period of a year or two depending upon the needs of each

For many years, we have stressed the need for technical education and industry to co-operate closely. We have urged that experts from industry should work as parttime lecturers and that our faculty should go out into industry to give a practical bias to their expertise. One of the main criticisms about our polytechnics, for instance, is that they are not sufficiently practical in their training programmes. The polytechnics are engaged in producing the middle-level manpower that is necessary for a wide range of professional duties. The technician that the polytechnic duces has to act as liaison between the engineer and the skilled craftsman to interpret the engineer's plans, to determine the type of production and to choose the tools and machines best suited to the job. The training of a technician is a long process that takes place partly in a technical partly in industry.

education of our polytechnics must cross-fertilised with practical experient industry so as to expose the techniques to actual working met techniques and skills relevant to his of specialisation. All this implies a retion in polytechnic education, so that can relate theory to practice, teaching industrial work

NEW RATIOS

For this is our immediate property Though we have 120 engineering and 300 polytechnics, the proportion engineer to technician is still In developing countries, the proportion 1:3 or 4. This that we means employing engineering graduates lo jobs of technicians. A recent su showed that over 40 per cent of technician jobs in India are at photographic deposition of the state o being done by graduate engineers, half tly a waste of manpower. We correct this correct this imbalance. We have towards a reasonable ratio of one one one to three or four technician in the court the next five years.

How shall we go about this vital charge in the practical training becomes an industry of the total educational process, hope to produce the kind of that industry needs.

TIME OUR MASTER

s an important factor in a develop-We have to do in five years ers have done in 50 years. Yet enge is salutary and if we can rise may possibly be We have risen to it in the Green Revolution. The Ministry of Agriculture has a or opening about 2,000 servicing rural areas that will, incidentally, loyment to a large number of and diploma-holders. I have no at if quick advantage is taken of 1 Revolution among the peasantry ntial number of engineers and holders can be suitably employed. has been done in agriculture by n revolution can also be done in especially in the realm of small s and in an extensive manner over of the country, provided we go in ld and imaginative programme of orks in the rural sector. ulverts and bridges, rural school programmes (a large number of mary schools today are either buildings or are otherwise housed unsatisfactory conditions), low using in urban areas accompanied a clearance, and other construction m be undertaken on a planned and basis in the next four years. The situation is favourable for Food such a programme. ng is growing ; there is surplus capacity ent; it is not difficult to increase the of other materials needed for ection and road building and technils are available in the shape of engineers, diploma-holders her educated supervisory and auxipersonnel. The threat of inflation, is always held out against a big less works programme, is much

today than it was two or three years ago. If we harness the technical manpower resources of our country and provide the necessary capital and other facilities, we will have ushered in a Revolution in Industry parallel to the Green Revolution.

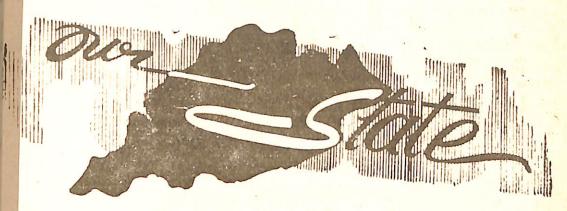
It is good sense to recognise that jobs cannot automatically be created for engi-They can emerge only as a link of economic development. in the chain We have, therefore, first, to increase productivity. because only through productivity will we have a surplus for reinvestment. As increasing investments are made. increasing employment opportunities are generated. The primary task of our engineers and technicians is to accelerate the pace of production. In this enterprise the Universities and Institutes of Technology can find opportunities valuable experience both for their teachers and students, and for the people of India. By their initiative and example, they can break for ever the isolation that tends to divide learning from the lives of the masses of the people of India. If our Universities can function as centres where students of merit may go to learn, not merely the theory of engineering but its full psychological implication, namely, our social commitment that will transform our society, they will have served us in the age of science.

Perhaps there are greener pastures in more affluent countries of the world but I know of no country that has become rich without intensive work of her own people to enable her to grow to full stature. With our Universities and our Institutes of Technology and with Industry, rest the solution through a co-operative and sustained endeavour, to make better engineers of our engineers and to provide them with suitable employment.

CALENDAR OF EVENTS—ORISSA 1-4-1970 ... Orissa Formation Day was observed throughout the State

3-4-1970 ... Orissa Fisheries Development Corporation wound

announcement by the Minister for Fisheries in the Sta	ţe
A bill to legalise abolition of land revenue was introduction in the State Assembly.	d
6-4-1970 The Orissa Cess Amendment Bill and Electricity Amendment Bill passed in the Orissa Assault	ty
world Health Day observed	
Orissa Assembly adjourned sine die Orissa Assembly adopts an unanimous resolution describit the Andhra Assembly claims for certain areas of Orissa unfortunate.	ng as
10-4-1970 Indoor Patients' Department in the Homoeopathic Hospitat Bhubaneswar was inaugurated by Shri Murari Prass Mishra, Minister for Health and Family Planning. Shri R. N. Singh Deo, Chief Minister inaugurated at Bhubaneswar.	he
14-4-1970 Bisuba Milana at Cuttack	
16-4-1970 Foundation stone of the	þý
the Chief Minister Shri R. N. Singh Deo at Dhenkanal. Location of steel plant at Vizagpatnam Salem and Host political and administrative circles in Orissa as the considered. 18-4-1970	il il
10 1-1370 S. C. B Mod:	ol.
Labour Seminar was inaugurated by Shri Rajballal	bh
The first Rice No.	a ⁵
29-4-1970 Orissa Cabinet I	,55 ·
allowance to the State Government employees.	



JUVENILE DELINQUENCY

y undertaken by the Juvenile Delin-Bureau of the State Police from reals that 387 juvenile delinquents rested and dealt with by the Police court during the period in Orissa. ire for 1969, was highest being 80 23 in 1959. Out of 387 delinquents, e sent up to face trial and remainwere released for want of sufficient Out of 365 delinquents sent up 1 271 were convicted, 62 acquitted <mark>na</mark>ining 32 cases are subjudice. This that 94.6 per cent of the juveniles d by the Police were sent up in specis and out of them 81.6 per cent were ed. The study further reveals group of juvenile delinquents, i. e., mbers belong to the age-group of 16 119 persons to 12—16 age-group and 2 belong to 7—12 years. It has been uned that delinquency among girls gligible, i. e., there were only 8 girls 387 juvenile criminals.

lysis of types of delinquency made in eport indicate that thieving has taken

the first place accounting for 63-4 per cent and out of these incidents pick-pocketing was very high. Besides thieving, juvenile delinquents are involved in violation of law; stone throwing, protest demonstrations and black-marketing of cinema tickets, etc.

A study of the causes of delinquency high lights the influence of unhappy family life, quarreling parents, maltreatment of child, negligence and indifference by the parents, broken homes due to death, divorce or separation of the parents, etc., on children produce delinquents. Besides treatment of the teachers in schools and other environmental influence also attribute to a great extent.

While emphasising the need for proper and adequate child-parent relationship, the study suggests introduction of Childrens' Act, and Juvenile Courts, establishment of reformation schools, remand homes, after care centres,; Juvenile guidance clinics and for providing institutional treatment of the destitute and delinquents for children.

SETTLEMENT OF JAGIR LANDS

It has come to the notice of Government that some jagirholders of the ex-State of Athmallik comprised in the district of Dhenkanal have not been able to apply for settlement of their jagir lands with them on ryoti basis within the fixed time, i. e., within December 4, 1969 in response to the Press Note, dated July 15, 1969.

With a view to giving an opportunity to all the Jagirdars to apply for settlement of

their jagir lands with them, Government have after careful consideration been assed to extend the date fixed in the cited press note for filing of applicability till the end of May, 1970.

The Jagirdars desirous of availing selves of this opportunity may apply Collector, Dhenkanal or to any Revenue Officer authorised by the Collin this behalf on or before May 31, 19

INCREASED REVENUE THROUGH DISTILLERY SPIRIT

A monthly revenue of about Rs. 40 thousand is now expected for the State Exchequer with the introduction of distillery spirit this year in the Parlakhemundi Subdivision of Ganjam district adjoining Orissa-Andhra border. Supply of spirit for the purpose from the existing distillery at Rayagada in the Koraput district will be an additional advantage.

The out-still shops in Orissa, on the other hand, paid Rs. 3 crores, 27 lakhs and 91 thousand to the Government in shape of

licence fees during the current part year. This accounts for an increase Rs. 18 lakhs, 68 thousands over year's receipts which stood at Rs. 3 of 9 lakhs 23 thousands

Among the districts, Koraput tops having paid the maximum revenue from out-still shops. As against Rs. 52 lake thousands collected by way of licence from this district during the last (1969-70), the current year's receipts increased to Rs, lakhs 57 thousands.

SAINIK SCHOOL BETTERS PERFORMANCES

The Sainik School, Bhubaneswar, has recorded a remarkable achievement during 1969 with 95.7 per cent of the students coming out successful in the All-India Higher Secondary Examination of the year. Of the 46 students who appeared in this examination 44 have come out successful with 9 in 1st Division and 34 in 2nd Division.

The Sainik School, Bhubaneswar, was established in the year 1962 and 6 batches

have passed out from this institution 1964. The school has made a contribution to the increasing tion of the officers cadre in Forces. In the All-India examinations, the students of swar Sainik School have shown performances and 45 boys have pareed National Defence Academy for the Armed Forces.



N Singh Deo, Chief Minister, Orissa, was the Chief Guest in the annual prize ceremony of the N. A. C. girls High school in Old Bhubaneswar. The girls ted a cultural programme of open air opera on "Parsuram Matruhatya" written by late Baisnava Pani

shows a seen of the opera, keenly watched by Chief Minister of Orissa on 30-3-70

NEWS IN PICTURES

Dr. Hanneman's Birth Day was observed at Bhubaneswar on April 10, 1970

Photo shows the Chief Minister Shri R. N. Singh Deo speaking on the occasion at a public meeting at Rabindra Mandap. Dr. Bewan Harishchanda, who was the Chief guest, is seen to the right of the Chief Minister





The annual State Ievel function of the Small Savings Scheme was held at Rabindra Mandap on March 27, 1970

Photo shows the Chief Minister Shri R. N. Singh Deo awarding the shield to Shri S. Sundar Rajan, I. A. S., Collector Sundargarh for highest collections under Savings Securities in Sundargarh district

NEWS IN PICTURES

The Chief Minister Shri R. N. Singh Deo addressing a Public meeting on April 9, 1970





Handloom Exhibition was opened by the Cultural Affairs Minister, and Mohapatra at Bhubaneswar on April 5, 1970. The Minister is seen examining a handloom pattern

NEWS IN PICTURES

Shri Raghunath Singh Samant, grand son of Mahamahopadhyaya Samanta Chandrasekhar, is presenting the 'Sanand' to Shri Nityananda Mohapatra, Minister for Cultural Affairs at a function held at Bhubaneswar on April 7, 1970 for preservation in the State Museum





The 4th General Body Conference of the Orissa Secretariat and Heads of Departments Typist's Association was held at Rabindra Mandap Bhubaneswar on April 19, 1970. Shri Nityanand Mohapatra, Minister for Supply and Cultural Affairs inaugurated the conference

NEWS IN PICTURES

Shri Nityananda Mohapatra, Minister for Supplies and Cultural Affairs is ting the drum for second draw of the State Lottery on 15 April, 1970 at



POLICE AWARD FOR EXEMPLARY PUBLIC SERVICE



Rames Chandra Batra, Reserve or of Police of Kalahandi district, nabandhu Kabi, Constable, Special of Berhampur and Shri Banchha Constable of Ganjam district were ed with one wrist-watch each on the prissa Police Formation Day in recognition of exemplary devotion to duty, determination and courage displayed by them in the past to save the life of others. Shri B. B. Misra, I.P., Inspector-General of Police, presented the awards at the ceremonial Police Parade held on the 1st April 1970 at Cuttack.

NEW RATES OF DEARNESS ALLOWANCE FOR STATE GOVERNMENT EMPLOYEES

Pay Ranges		OTLES
(Rs.)		Dearness Allowance
Below 110		(Rs.)
110 and above but below 150	•••	71
150 and above but below 210	•••	98
210 and above but below 400	•••	122
400 and above but below 450		146
450 and above but below 499		160
Above 499 but below 543	•••	164
543 and above but up to 1,000	••••	Amount by which pay falls short of Rs. 663.
1,001—2,250	•••	120
The above rates of Dec		100

The above rates of Dearness Allowance will be admissible with effect

The arrears of Dearness Allowance on account of this increase for the period from the 1st April 1969 to the 30th April 1970 will be paid to their Provident Fund Account and not in cash.

These revised rates of Dearness Allowance will also be applicable to drawing pay in the regular scales of pay under different Departments

Orders regarding the revised rates of Dearness Allowance of (i) and (iii) employees of local bodies will be issued separately.

OGP-MP TE



lay Mishra. Minister for Labour & Employment is seen addressing a Labour seminar at Sunabeda on April 18,1970

arasimhan. General Manager, H. A. L., Shri G. N. Das, Secretary, Labour Government of Orissa, Shri U. N. Sahu, State Labour Commissioner and A. N. Tiwari, G. A. Q., H. A. L., are also seen in the Photograph

NEWS IN PICTURES

The Seminar on Modern Concepts in Building was inaugurated by the Industrie Minister Shri Harihar Patel at Rabindra Mandap, Bhubaneswar on April 5, 1970. The Minister is seen delivering his inaugural address





Health Minister Shri Murari Prasad Mishra opened the 24-bedded Homoeopathic at Bhubaneswar on April 10, 1970

NEWS IN PICTURES

nion Minister of State for Health and Works Shri B. S. Murty who arrived at Bhubanear on April 18, 1970 to attend the Silver Jubilee celebration of the Sriram Chandra anj Medical College, Cuttack, was received at the airport by the State Health Minister Shri Murari Prasad Mishra and other high officials





Chhau Dance festival at Baripada on April 13th and 14th, 1970



Chhau

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Shri Banamali Patnaik, Minister, Education seen inaugurating the Gandhi La Councillor, Shrimati Ava Gandhi and Shri S. Sunderarajan, Collector.

