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**Afro-Asian Industrial Co-operation Meeting
within the Framework of the Industrial
Development Decade for Africa and Economic
and Technical Co-operation among
Developing Countries**

New Delhi, India, 17-21 November 1986

REPORT *

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I. ORGANIZATION OF THE MEETING

Representation

The meeting was attended by 199 participants from 38 countries as well as by 26 representatives from 9 United Nations and other international organizations, including the African Development Bank and the Islamic Development Bank.

The list of participants is given in Annex III.

Opening addresses

The meeting was inaugurated by the Hon. Union Industry Minister Shri J. Vengala Rao who welcomed the participants to the Afro-Asian Industrial Co-operation Meeting.

In his speech, the Minister emphasized that many developing countries have acquired significant skills and capabilities in the industrial field. The most valuable element of these capabilities is their relevancy and appropriateness to the special needs and conditions of developing countries. He believed that there was considerable scope for developing countries to pool and share their skills, expertise and experience to their mutual advantage.

He referred to the imperfect nature of the international investment and technology markets and said that developing countries experienced comparatively weak bargaining power in these markets. It is against this background that South-South Cooperation for sharing skills and resources became relevant. There is a vast reservoir of appropriate technologies and methods of production available within the developing countries which is both relevant and cost-efficient for meeting the needs of other developing

countries. The challenge is to bring the needs and opportunities together within the developing world for mutual prosperity. He said that UNIDO was playing an active and commendable role in this area, and that the present meeting which brings African and Asian countries together was a valuable part of such efforts. The Minister commended UNIDO and its senior officials for their efforts in organizing the meeting.

He said that over 290 industrial projects had been identified for consideration at the meeting, under which Asian countries can make available expertise and resources for the process of African industrialization. The Minister recalled that India and Africa are bound by a long and enduring tradition of friendship and economic co-operation, they cherish many common values and goals and there is much that they can share in the process of their economic growth. The Minister hoped that bilateral discussions would result in the identification of projects that could attract the necessary financial and other resources for speedy implementation. The developing countries from the Asian region can help in the industrialization of Africa, and thus further the aims of the Industrial Development Decade for Africa. In conclusion he said that UNIDO's Director-General, Mr. Domingo L. Siazon Jr., deserved full appreciation and support for the efforts he is making to provide inputs for the programme, despite the financial constraints faced by UNIDO. He firmly believed that ECDC/TCDC was an effective means of supporting the industrialization of Africa and that India would continue to extend its whole-hearted support.

The Director-General of UNIDO, Mr. Domingo L. Siazon Jr., in his address thanked His Excellency, the Minister of Industry of the Government of India, and expressed the gratitude of UNIDO to the Government for its substantial contribution to the Industrial Development Fund of UNIDO. As the Director-General of the new UNIDO, he attached the highest priority to technical and economic co-operation among developing countries and in particular to the development of small-scale industries, investment promotion and enterprise-to-enterprise co-operation.

He stressed that in the implementation of any development strategy in Africa, industry had a central role to play. The current crisis, however, exposes the fragility of the economic structure of the region. Despite abundant natural resources and great industrial potential, most African countries have small populations and low levels of income which limit the attainment of economies of scale in many branches of industry. The situation is aggravated by the deteriorating economic environment, in particular the global recession, the limited flow of foreign aid as well as the unfavourable terms of trade, all of which are beyond the control of African countries.

With the proclamation of the Industrial Development Decade for Africa, there came formal recognition of the fact that if a sustained improvement in the standard of living of the ever-growing African population is to be achieved, the pattern must shift from primary production to secondary processing. The adoption of the programme for the Decade evoked greater political, financial and technical support at the national, regional and international level for the industrialization of Africa. This meeting reflects international commitment to alleviate, through accelerated industrialization, the economic crisis in Africa - a commitment that UNIDO fully shares. Geographic proximity, traditions and cultural ties, the level of economic development as well as the experience gained and problems faced by the countries of Africa and Asia offer broad scope and potential for the expansion of South-South Co-operation - one of the pillars on which international co-operation strategies rest.

The Director-General expressed his particular satisfaction that more than 290 projects had been submitted by African countries and that 200 project offers had been received from Asian countries. He said that financing was the most crucial issue and hoped that the involvement of the development banks in the meeting would help resolve the financial implications in as large a number of cases as possible. He suggested that in appropriate cases, enterprises might enter into mutually beneficial joint ventures.

He also said that with a view to enhancing inter-regional co-operation between Asian and African countries, eleven projects were being put forward at the meeting which relate specifically to human resource development, technologies for building materials industries, construction of mini-hydropower stations, national engineering capabilities and the promotion of small-scale industries.

In conclusion, the Director-General said that he hoped that the meeting would witness the conclusion of numerous agreements between African and Asian enterprises on joint ventures, technology transfer, marketing, training, equity participation and equipment supplies. The meeting marked the beginning of an era of South-South Cooperation which would extend far beyond well-intentioned expression of resolve. UNIDO stands ready as a committed ally and honest broker to lend full support and assistance to this worthy cause.

The Head of the delegation of Cameroon, Mr. Albert Che Niba, Vice-President of the Chamber of Commerce and Industry of Cameroon, delivered a statement on behalf of the African participants. He said that it was a pleasure and an honour for Cameroon to speak on behalf of the African countries. He said that the economic situation of Africa was of great concern to the entire international community and that the support of all concerned, especially that of third world countries, is greatly needed. He said that expanded and more concrete co-operation in the industrial field, between Asia and Africa, would contribute to raising the level of development of both continents and would be of mutual benefit to the partners involved. The African countries attached great importance to the meeting and looked forward to fruitful discussions which would strengthen the ties of co-operation and friendship that already exist between the two continents.

He also expressed his sincere gratitude to the Government and people of India for hosting the meeting and for the warm and friendly welcome and hospitality enjoyed since arrival in India. He took the opportunity to pay special tribute to the achievements of India, especially in the industrial field, under the dynamic leadership of its Prime Minister whose commitment to third world development and solidarity was well-known and respected.

Finally, he thanked UNIDO for its initiative and for the excellent arrangements.

Election of officers

The bureau for the meeting comprised the following:

Chairman	Mr. S.D. Srivastava Secretary, Department of Industrial Development, Ministry of Industry, India
1st Vice-Chairman	Mr. Albert Che Niba Vice President Chambre de Commerce et de l'Industrie et Mines, Cameroun
2nd Vice-Chairman	Mr. T.Z. Farooqi Additional Secretary, Ministry of Industry, Pakistan
Rapporteur	Mr. Nelson J. Galiwango Kiyegga Secretary Small Scale Industries Association, Uganda

Adoption of the Agenda

The meeting adopted the following agenda:

1. Opening of the Meeting
2. Election of the Chairman, Vice-Chairmen and Rapporteur
3. Adoption of the Agenda
4. Presentation by UNIDO on:
 - a. UNIDO's activities for promoting the Industrial Development Decade for Africa;
 - b. UNIDO's activities for promoting and implementing economic and technical co-operation among developing countries; and
 - c. Project proposals for industrial co-operation between African and Asian countries.
5. Presentation of India's experience in industrial co-operation with African countries
6. Bilateral and group discussions on specific projects
7. Adoption of the report
8. Closure of the Meeting

Presentation of UNIDO documents

The representatives of UNIDO introduced the working documents prepared for the meeting. With regard to ECDC/TCDC it was stressed that the promotion and implementation of economic and technical co-operation among developing countries was an important aspect of UNIDO's activities and is accorded the highest priority in UNIDO's programme of work. New terms and new institutional machinery for industrial co-operation and the establishment of multinational production enterprises in developing countries were explained.

African and Asian countries had presented an important number of proposals which covered fields such as agro and agro-based industries, building materials, chemical industries, engineering industry, etc., as well as training and transfer of technology in the above fields. With a view to improving facilities for training and for transfer of know-how, projects for inter-regional co-operation were presented related to the following fields:

human resources development, technologies for building materials industries, mini-hydropower stations, biogas technology, biomass gasification, women participation in industrial development.

It was said that the Industrial Development Decade for Africa reflected the urgent economic and development needs of Africa enshrined in the Lagos Plan of Action. The current economic situation and the role that industrialization plays in economic development and in the attainment of self-sufficiency in agriculture and food production in particular were highlighted.

It was stressed that the crisis facing African countries had generated considerable international concern culminating in the recent adoption of the United Nations Programme of Action for African Economic Recovery and Development 1986-90, and the proclamation of the Decade. Industrialization, because of its importance in providing inputs to agriculture, transport and communication, health, education and housing, had been recognised as a necessity in accelerating the economic development of the continent.

The purpose of the Decade was to create a greater awareness among African decision makers and to mobilize international technical and financial assistance in support of the action being taken by African countries in the industrial field. An important aspect of the Decade programme relates to the mobilization of co-operation in the developing countries themselves. This is of particular relevance in view of the commonality of problems encountered by both Asian and African countries in the process of industrialization. South-South Cooperation must provide a new dimension in international industrial co-operation by providing opportunities, favourable terms and conditions for transfer of technology, joint venture agreements, development of industrial manpower and mobilization of financial resources.

The delegate of India presented a national paper tracing industrial development in India since independence, in particular the strategy adopted in the Industrial policy Resolution 1956 and the complementarity of the roles of the State and Private sectors. He mentioned that a three-tier industrial sector has emerged, namely the village, cottage and small scale sector, medium size industries and ancillaries and the heavy industries units. He emphasized the role of India in assisting a number of developing countries

within the framework of economic and technical co-operation among developing countries. The capabilities of Indian enterprises in assisting other developing countries in their industrial development and specially in setting up turnkey projects in small-scale industries were highlighted.

Documentation

The documents issued before and during the meeting are listed in Annex IV.

Adoption of the Report

The Meeting adopted the report at its last plenary session on 21 November 1986.

Closure of the Meeting

During the closing session, the Chairman of the Meeting highlighted the success of the meeting for promoting economic and technical co-operation among developing countries, as proved by the great number of agreements reached upon during bilateral discussions. Emphasizing the importance of effective follow-up, he stated that it would call for the establishment of special units in each of the co-operating countries and within UNIDO for monitoring the implementation.

The representative of UNIDO underlined the importance of follow-up so that the momentum gained in the meeting would not be lost and that the decisions taken at the meeting should be effectively pursued and implemented. He thanked the Government of India on behalf of the Director-General of UNIDO for the excellent arrangements and for the warm hospitality. He also thanked the African and Asian countries for their participation and positive contribution to the success of the meeting. Thanks were also expressed to the African Development Bank, Islamic Development Bank and other financing institutions.

The Head of the delegation from Cameroon, speaking on behalf of the African participants, expressed his gratitude to His Excellency the Prime Minister of India, the Government and people of India and UNIDO for the warm hospitality and the excellent arrangements made for the meeting. He stressed the importance of setting up appropriate mechanism for follow-up by both participating countries and UNIDO, as a pre-requisite for the implementation of agreed projects. He said that the meeting had demonstrated the value and importance of UNIDO in the industrialization efforts and looked forward to greater assistance from that organization. He urged UNIDO to provide adequate financial resources for follow-up of the meeting.

The Head of the delegation of Pakistan, speaking on behalf of Asian participants, thanked the Government of India and UNIDO for ensuing success of the meeting, which would contribute substantially to the further promotion of South-South co-operation. After highlighting the positive results obtained, he stressed the necessity to ensure the follow-up on all the decisions taken during the meeting. Further, he underlined the catalytic role UNIDO would have to play in the future.

The Chairman of the Meeting thanked all the participants for their contribution to the discussions and their positive approach during the bilateral and group discussions. He also thanked everyone who had been involved in the planning, organizing and servicing the Meeting, and who had contributed to its success. He then officially closed the Meeting.

II. SUMMARY OF BILATERAL DISCUSSIONS ON INDUSTRIAL PROJECTS

After intensive deliberations, the participating countries have reached agreements on the implementation of 296 industrial projects. The success of the method of enterprise-to-enterprise co-operation has been amply proved by the signing of more than 60 memoranda of agreement between 26 African countries and 12 Asian countries. In all cases the nature of co-operation and the co-operating parties (institutions, firms, corporations, associations, etc.) have been clearly identified.

The agreed projects cover areas such as: pre-investment studies, including feasibility and pre-feasibility studies; projects designed to rehabilitate existing units that are in running at low capacity utilization; turnkey projects; technology transfer; delivery of equipment; training and expert services; projects to establish and/or to enlarge small-scale industrial units.

The results of the bilateral discussions are given in Annex I.

III. SUMMARY OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

The meeting examined and recommended implementation of 19 projects of industrial co-operation at the interregional level aiming at strengthening the infrastructure for industrial development. For all proposed projects, the objectives have been clearly defined, and the sponsoring countries as well as the interested countries identified. Training, transfer of technology, setting-up of national, subregional and regional institutions are the primary objectives of the agreed projects.

The results of the group discussions are given in Annex II.

IV. RECOMMENDATIONS

General recommendations

Following intensive discussion of the projects presented to the meeting, including the inter-regional projects, the meeting recommended that:

- (i) The UNIDO Secretariat should review and integrate these projects into an Afro-Asian Industrial Co-operation Programme, within the framework of TCDC/ECDC, which should include an outline of the industrial priorities and orientation of Africa as defined in the Programme for the Industrial Development Decade for Africa and define the modalities for the implementation of that Programme;
- (ii) The Programme should be reproduced and widely circulated not only among the participating countries and organizations present at the meeting but also among other African and Asian countries as well as those investment and financial institutions which may be in a position to finance projects.

Recommendations for action at the national level

To ensure that the momentum generated by the meeting is maintained and to re-inforce Afro-Asian Industrial Co-operation, it was recommended that:

- (i) National institutions for economic co-operation among developing countries should be strengthened and new ones established where appropriate, to enable the countries concerned to take immediate and effective follow-up action on the contacts established during the meeting with a view to early implementation of the agreed projects.

The institutions should define clearly the focal points in each country for monitoring the implementation of the agreed projects, for co-ordinating ECDC/TCDC activities and for providing UNIDO with sufficient information to permit effective monitoring of the programme as a whole;

- (ii) Each of the co-operating countries should contact financial and investment institutions such as the African Development Bank, the Asian Development Bank, the Islamic Development Bank, the IFC as well as national and other development banks to mobilize the resources required for implementation of agreed projects;
- (iii) Consideration should be given to the organization of a National Investment Round Table in each African country concerned, in association with the co-operating partners from Asian countries, to provide a forum at which financial institutions can discuss the financing aspects of the projects agreed upon;
- (iv) The co-operating countries should consider making further contributions to the Industrial Development Fund of UNIDO for the projects agreed upon, especially the inter-regional projects.

Recommendations for action at the regional and sub-regional level

The regional and sub-regional organizations in Africa and Asia such as the Organization of African Unit (OAU), Economic Community of West African States (ECOWAS), Southern African Development Co-ordination Conference (SADCC), Preferential Trade Area for Eastern and Southern African States (PTA), Economic Community for Central African States (ECCAS), Central African Customs and Economic Union (UDEAC), Association of South-East Asian Nations (ASEAN), South Asian Association for Regional Co-operation (SAARC), etc. should be invited to incorporate the Afro-Asian Industrial Co-operation Programme in their regional industrial programmes and to take follow-up action with their member states towards implementation of the agreed projects.

Recommendations for action by UNIDO

- (i) As recommended in para. (i) of the general recommendations, UNIDO should, as an immediate follow-up action, review and integrate the agreed projects into an Afro-Asian Industrial Co-operation Programme and circulate it widely to all countries and organizations concerned in Africa and Asia;
- (ii) The Afro-Asian Co-operation Programme should be incorporated in UNIDO's technical assistance programmes including the Industrial Development Decade for Africa;
- (iii) UNIDO should pay special attention to Afro-Asian co-operation projects in its promotional activities with donors and investment institutions to assist the co-operating countries concerned to mobilize financial resources for implementation of their projects;
- (iv) Subject to the availability of resources, UNIDO should provide technical assistance to co-operating countries to help them take appropriate follow-up action for the development and implementation of agreed projects;
- (v) UNIDO should monitor closely the implementation of the Afro-Asian Industrial Co-operation Programme;
- (vi) In view of the positive results obtained from the Afro-Asian Industrial Co-operation Meeting, UNIDO should consider organizing further meetings to promote industrial co-operation between Africa and other developing regions and sub-regions.

Annex I

Statement showing number of agreed projects
for African countries

<u>Country</u>	<u>Number of agreed projects</u>
1. Algeria	4
2. Burkina Faso	5
3. Burundi	6
4. Cameroon	30
5. Comoros	6
6. Côte d'Ivoire	5
7. Egypt	7
8. Ethiopia	14
9. Gambia	1
10. Guinea	2
11. Lesotho	11
12. Liberia	7
13. Madagascar	6
14. Malawi	28
15. Mali	3
16. Niger	3
17. Nigeria	5
18. Rwanda	5
19. Sénégal	14
20. Somalia	37
21. Sri Lanka	2
22. Swaziland	3
23. Togo	15
24. Uganda	28
25. Tanzania	30
26. Zambia	18
27. PTA*	2
<hr/>	
Total	296

*) Preferential Trade Area

Results of Bilateral Discussions
on Industrial Projects

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Algeria</u>		
1. Mini cement plant 100,000 - 200,000 tons per year	Turnkey project	Ministry of Heavy Industry, Algeria, and National Industrial Development Corporation Ltd., New Delhi, India
- " -	Nature of co-operation to be identified later.	Yugoslavia
2. Feasibility study for brick machinery and ceramic units	Fields of co-operation to be identified later.	Yugoslavia
3. Consultancy services for computer software	Fields of co-operation to be identified later.	Yugoslavia
4. Manufacturing of antifriction bearings	Possible joint venture	Hindustan Machine Tools (HMT) (International), India
- " -	Fields of co-operation to be identified later.	Yugoslavia

Country/Project

Nature of Co-operation

Co-operating Partners

Burkina Faso

- | | | | |
|-------|--|--|--|
| 1. | Factory for the formulation of phytosanitary products - 2.3 million litres of liquid pesticides and 2,750 tons of powder annually | Technical training and know-how | Ministère Promotion Economique, Burkina Faso, and
Ministry of Industry, Pakistan |
| 2. | Manufacture of pharmaceutical products - annual output 250 million tablets; 500,000 bottles of syrup; 1 million bottles of solution. | Feasibility study, possible joint venture and exchange of information | - " - |
| 3. | Manufacture of dairy products and vinegar - 120,000 litres of vinegar per year | Vocational training | - " - |
| 4. | Cement bricks plant and clay bricks manufacturing | Request for information on cost equipment, expert service and feasibility report | Ministère Promotion Economique, Burkina Faso, and
National Small Industries Corporation, (NSIC)
and
National Research Development Corporation, (NRDC),
India |
| - " - | | Feasibility study | Ministère Promotion Economique, Burkina Faso, and
Ministry of Foreign Economic Relations and Trade, China |

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
5. Cream separators	Turnkey project	M/S Public Relations, Ouagadougou, Burkina Faso, and M/S Bhandari Mfg. Works M/S NOIDA Entrepreneurs Association, NOIDA Associate of NSIC Ltd., New Delhi
<u>Burundi</u>		
1. Factory for manufacture of jute bags from imported jute	Turnkey project	Centre de Promotion Industrielle Burundi, and Ministry of Industry, Pakistan
2. Production of canvas shoes 125,000 pairs per year (500 pairs of canvas shoes per day)	Turnkey project Sri Lanka will provide training for two Burundi technicians.	Centre de Promotion Industrielles, Burundi, and Ministry of Industries and Scientific Affairs, Sri Lanka
- " -	Turnkey project	M/S NOIDA Entrepreneurs Association, NOIDA Associate of NSIC Ltd., India
3. Kaolin based paints	Technical feasibility to be conducted by NSIC	Centre de Promotion Industrielles, Burundi, and NOIDA Entrepreneurs Association, NOIDA Associate of NSIC Ltd., India
- " -	Sample testing	Ministry of Industry, Pakistan

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
4. Grey cast-iron foundry - 500 tons per year	HMT will submit project proposal.	Centre de Promotion Industrielle Burundi, and HMT (International) Ltd., India and, NSIC, India
5. Small paper plant - 3-5 tons per day	Request for information on technology	Centre de Promotion Industrielle Burundi, and Larsen and Tubro Ltd., India
- " -	Feasibility study, selection of equipment and transfer of technology	Philippines
- " -	Technology to produce small machinery for paper production Feasibility study to be carried out by Sri Lanka specialists.	Ministry of Industries and Scientific Affairs, Sri Lanka
6. Project of essential oil	Feasibility studies, project on turnkey basis and joint venture	Centre de Promotion Industrielle Burundi, and Bharduranj Essential Oils, India
- " -	- " -	Yugoslavia

Remarks:

Memorandum of understanding were signed for production of builders hardware in cement/plastic material, paint factory, ink production, production of paper sack bags and production of candles between Mr. Musaraganyi, Promoter of Burundi, and his Indian partners, V.B. Haskar - Electro Ceramic, NOIDA Entrepreneurs Association, NOIDA Associate of NSIC Ltd., New Delhi, M/S Micro Matics, Madras.

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Cameroon</u>		
1. Setting up of saw mills and timber related industry - 144,000 M ³ per year	Feasibility study, supply of equipment, transfer of technology and training	Ministry of Industry, Pakistan
2. Fertilizer plant - 25,000 tons/year	- " -	- " -
- " -	- " -	Yugoslavia
3. Forest exploitation, veneer peeling and saw mills - Sawing : 30,000 M ³ Timber : 75,200 M ³	- " -	Ministry of Industry, Pakistan
- " -	Feasibility study	Yugoslavia
- " -	- " -	Ministry of Foreign Economic Relations and Trade, China
4. Manufacturing of furniture and furniture items	Feasibility study, supply of equipment, transfer of technology and training	Ministry of Industry, Pakistan
	Expert services from Yugoslavia	Yugoslavia
5. Production of aluminium rods, conductors, door and window frames, etc.	Feasibility study, supply of equipment, transfer of technology and training	Ministry of Industry, Pakistan
- " -	Provision of information and documentation	Yugoslavia

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
6. Cattle and poultry feed	Exchange of information Cameroon will conduct preliminary study and marketing survey.	National Small Industries Corporation, (NSIC), India
7. Fruit preservation (Mangoes, oranges, bananas, strawberry) 2-3 tons per day	- " -	Ministry of Industry, Pakistan
8. Candles	Setting up of the project NSIC will provide detailed project profile.	NSIC, India
9. Chalk crayons	- " -	NSIC, India
10. Paper pins, gem clips and staples	- " -	NSIC, India
11. Air letters and envelopes	- " -	NSIC, India
12. Leather shoes	- " -	NSIC, India
13. Socks	- " -	NSIC, India
14. Manufacturing of acrylic exsopy aerosol paint	Thailand will provide samples of the products to Cameroon.	Ministry of Industry, Thailand

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
15. Machine tools	Market survey, feasibility studies, transfer of technology, execution of project including supply of machines and equipment, expert services and training	Société Nationale d'Investissement du Cameroun, Cameroun, and HMT (International) Ltd., India
16. Water meters and gas meters and regulators	- " -	- " -
17. Standard parts such as fasteners, springs, oil seals, 'O' rings and other rubber moulded parts	- " -	- " -
18. Electric motors (transformers)	- " -	- " -
19. Lamps and lighting fittings	- " -	- " -
20. Domestic electrical accessories	- " -	- " -
21. Automobile maintenance workshop	- " -	- " -
22. Industrial maintenance workshop-cum-spare parts manufacturing unit	- " -	- " -
23. Foundry	- " -	- " -
24. Dairy products and milk bottles manufacturing (expansion project)	Technical assistance, supply of machines, expert services and training	Société Africaine des Produits Laitiers (Saplait S.A.) Cameroun, and HMT (International) Ltd., India
- " -	Yugoslavia required more detailed technical and financial information on dairy products	Yugoslavia

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
25. Electric bulbs	Proposal of industry installation	Crompton Greaves, India
26. Palm oil refinery	Project proposal available, engineering services and training requested	Yugoslavia
27. Manufacture of yeast and alcohol from molasses	Expert service for feasibility study	- " -
28. Mini cement plants	Information and documentation will be provided by Yugoslavia for further discussions.	- " -
29. Extension of slaughter house and setting up of an industrial complex	Feasibility study available. Yugoslavia will offer possible co-operation within one month.	- " -
30. Pulp and paper	Information and assistance on pulp and paper making technology	Fonds d'Aide et de Garantie des Crédits aux Petites et Moyennes Entreprises (FAGCPME), Cameroun and Philippines
<u>Comoros</u>		
1. Coconut oil plant	Feasibility study	Division de l'industrie, Ministère du Plan, Comoros, and Ministry of Foreign Economic Relations and Trade, China
- " -	Turnkey project, including training	Division de l'industrie, Ministère du Plan, Comoros, and NSIC, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
2. Production of fruit juice concentrates	Turnkey project	NSIC, India
- " -	Pre-feasibility and feasibility study	Yugoslavia
3. Fish (tuna) cannery	Turnkey project	NSIC, India
4. Construction of a unit for bottling and export of table water	Exchange of information and feasibility study	Yugoslavia
5. Dry coconut powder	Turnkey project	Ministère du Plan, Comoros, and NSIC, India
6. Table salt	- " -	- " -
<u>Côte d'Ivoire</u>		
1. Centre for Entrepreneur development	Setting up of a centre on the basis of a project report provided by Côte d'Ivoire	C.I.G.E. Côte d'Ivoire, and NSIC, India
2. Edible oil from palm and cotton seed cokes	Transfer of technology, including machinery and equipment	- " -
3. Butter production from karite nuts	Equipment	- " -
4. Production of industrial ink	Equipment	- " -
5. Manufacture of coconut fibre and charcoal	Technology	- " -

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Egypt</u>		
1. Dairy products 3,536 tons of powder milk 800 tons of fats	Feasibility study and training	Ministry of Industry, Pakistan
2. Edible oil extraction unit 200,000 tons per year	- " -	- " -
3. Ready-made garment 88 million pieces	- " -	- " -
4. Footwear project 300,000 pairs	- " -	- " -
5. Setting up of an industrial estate in the 10th of Ramadhan City	NSIC will provide expertise on planning, design and consultancy.	NSIC, India
6. Establishment of National Institute for the development of small industries	NSIC will provide expertise.	- " -
7. Expansion of Capital Goods sector	PDTC-NSIC will work out the details and send offers.	- " -

Country/Project

Nature of Co-operation

Co-operating Partners

Ethiopia

1. Establishment of a pulp plant 17,000 tons per year	Expansion of present capacity. Indian Firm will submit the necessary information for the project	Larsen and Tubro Ltd., India
2. Rehabilitation and expansion of wine factories	The Ethiopian side will provide basic information of the project upon completion of the study.	Yugoslavia
3. Setting up of small-size sugar factories (integrated with the farm)	The necessary information will be communi- cated to Yugoslavian side which is interested in the execution of the projects.	- " -
4. Manufacture of car batteries	- " -	- " -
5. Sheet glass manufacturing plant	- " -	- " -
6. Manufacture of fertilizers	- " -	- " -
7. Baby food manufacturing plant	Exchange of information and documentation with possibility of transfer of technology, engineering design, equipment supply and training	- " -
8. Manufacture of electrical bulbs	Transfer of technology, supply of machines, equipment and component, expert services and training	Ministry of Industry, Ethiopia, and IBMT (International) Ltd., India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
9. Engineering design and manufacturing centre	Execution of project including supply of machines and equipment, expert services and training	Ministry of Industry, Ethiopia and HMT (International) Ltd., India
10. Setting up an electrical engineering complex for motors and transformers	- " -	- " -
11. Manufacture of agricultural machinery and implements	- " -	- " -
12. Manufacture of low cost vehicles	Project planning, transfer of technology, execution of project including supply of machines and equipment, expert services and training, development of ancillary industrial estate	- " -
13. Manufacture of auto parts and components	- " -	- " -
14. Sectoral study of problems of existing plastic industry	Training, transfer of technology and know-how, raw materials and product assessment	Central Institute of Plastics Engineering and Tools, India

Gambia

1. Manufacture of glass	Feasibility study	Ministry of Economic Planning and Industrial Development, Gambia and Ministry of Foreign Economic Relations and Trade, China
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<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Guinea</u>		
1. Mini hydro power programme in ECOWAS countries	Feasibility study and possible setting up of a pilot plant	Ministry of Environment and Energy, Guinea and Ministry of Foreign Economic Relations and Trade, China
2. Edible oil production mill	Exchange of information and documentation on machinery and equipment as well as costs	Pakistan
<u>Lesotho</u>		
1. Refuse bin	Turnkey project	Ministry of Trade and Industry, Lesotho, and M/S Bhaskar Ceramics, India, and The Imperial Metal Works, Aligarh (UP) Associate of NSIC Ltd., India
2. Bucket (10 lit. and 15 lit.)	- " -	- " -
3. Flowers watering cans	- " -	- " -
4. Food containers	- " -	- " -
5. Bath tub round and elliptical	- " -	- " -
6. Steel cabinet	- " -	- " -
7. Tubular table and chair	- " -	- " -

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
8. Ceramic tiles 375,000 sq. m. of tiles per year	Turnkey project	Ministry of Trade and Industry, Lesotho and M/S Bhaskar Ceramics, India, and The Imperial Metal Works, Aligarh (UP), Associate of NSIC Ltd., India
9. Builder's hardware	Feasibility study for joint venture	Ministry of Trade and Industry, Lesotho, and Ministry of Foreign Economic Relations and Trade, China
- " -	Technical assistance, execution of project including supply of machine and equipment, expert services and training	Lesotho National Corporation, Lesotho and HMT (International) Ltd., India
10. Sheet metal fabrication unit	Technical assistance, execution of project including supply of machines and equipment, expert services and training	Lesotho National Development Corporation, Lesotho, and HMT (International) Ltd., India
11. Forge shop	- " -	- " -

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Liberia</u>		
1. Fruit and vegetable preservation	Turnkey project	Ministry of Planning and Economic Affairs, Liberia and M/S Mather and Platt, Bombay, India
2. Handmade paper	- " -	M/S Coromandal Hydraulic, Dindigul, Associates of NSIC Ltd., India
3. Mini Sugar Plant	- " -	
4. Ceramic	Training	Ministry of Planning and Economic Affairs, Liberia and
5. Rattan and wicker	- " -	
6. Leather tanning	- " -	Co-ordinating Committee for Industrial Technical Co-operation (CCITC), Ministry of Industry, Indonesia
7. Pulp and paper	Technical information on pulp and paper for small-scale industry	Ministry of Planning and Economic Affairs, Liberia and Philippines
<u>Madagascar</u>		
1. (List of projects identified by Madagascar to be forwarded.)	Turnkey project Small industries common facilities centre Transfer of technology	Ministère de l'Industrie de l'Energie et des Mines, Madagascar and NSIC, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
2. Production of biogas	Establishment of biogas generating pit	Ministère de l'Industrie de l'Energie et des Mines, Madagascar and Ministry of Foreign Economic Relations and Trade, China
3. Watch Assembly Unit	Technical know-how Execution of project including supply of machines and equipment Expert services and training	Société d'étude et de réalisation pour le développement de l'industrie, Madagascar and PWT (International) Ltd., India
4. Ancillary industrial units	Market study Execution of project including supply of machines and equipment Expert services and training	Ministère de l'Industrie de l'Energie et des Mines, Madagascar and PWT (International) Ltd., India
5. Establishment of Promotion Centre for the Development of Small and Medium Industries	Training and technical assistance Financing	Ministère de l'Industrie de l'Energie et des Mines, Madagascar and NSIC, India
6. Kaolin manufacturing plant	Supply of information and expertise as per request to be framed by the Government of Madagascar	Ministère de l'Industrie de l'Energie et des Mines, Madagascar and Pakistan

Country/ProjectNature of Co-operationCo-operating PartnersMalawi

1.	Micro oil mills	)			M/S TABWERA Investments, Malawi
2.	Starch from cassava	)			and
3.	Oil from different seeds like sesame, ground nut, etc.	)			M/S Pentam Industries, Madurai
4.	Plastic flash light torches	)			M/S Coromandal Hydraulics, Dindigul,
5.	Cattle and poultry feed	)			Associates of NSIC Ltd., India
6.	Wicks for lanterns)			
7.	Pencil eraser, ink eraser, type writing eraser	)	Turnkey project		
8.	Tooth brushes)			
9.	Tooth picks)			
10.	Shoe polish)			
11.	Toilet soap)			
12.	Spokes for bicycle)			
13.	Safety pins)			
14.	Rubber reclamation	)			M/S Frank Industries, Malawi
15.	PVC reclamation	)			and
	Rubber eraser *	)	Turnkey project		M/S Project and Equipment, New Delhi
	Cattle and poultry feed *	)			M/S Dutta Scientific Works, New Delhi
16.	Buttons from animal horns	)			M/S Premeur Castings, Calcutta
					M/S Coromandal Hydraulics, Dindigul,
					Associates of NSIC Ltd., India
17.	Handmade paper		Turnkey project		M/S Frank Industries, Malawi
					and
					NSIC, India
	- " -		Feasibility study		M/S Frank Industries, Malawi
					and
					Pakistan

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
18. Salt refining	Turnkey project	N/S Frank Industries, Malawi and NSIC, India
- " -	Study of technical and financial feasibility	Ministry of Industry, Trade and Tourism, Malawi and Pakistan
19. Absorbent cotton)	Turnkey project	M/S Frank Industries, Malawi and
20. Medical dresses		M/S Mather and Platt, Bombay M/S Dhiman Sales Corporation, Chandigarh, Associates of NSIC Ltd., India
21. Manpower development and integrated small scale projects	Expert services for training	Ministry of Industry, Trade and Tourism, Malawi and Small Enterprise Development Organisation of Malawi and HMT (International) Ltd., Bangalore
		NSIC Ltd., India
22. Small scale production of lime	Setting up lime kiln and training operations	Ministry of Industry, Trade and Tourism, Malawi and
		Small Enterprises Development Organization, Malawi and
		Dyershire Chemicals, Delhi
- " -	- " -	Ministry of Industry, Pakistan

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
23. Paper plant of capacity of 30 tons per day	Execution of project	Ministry of Industry, Trade and Tourism, Malawi and India
24. Leather goods 25. Curving of hides and skins	Training	Ministry of Industry, Trade and Tourism, Malawi and Co-ordinating Committee for International Technical Co-operation (CCITC), Ministry of Industry, Indonesia
26. Integrated small scale industries	Expert services for training of personnel for small scale industries	Small Enterprise Development Organisation, Malawi and HMT (International) Ltd., India
27. General engineering workshop	Execution of project including supply of machines and equipment Expert services and training	- " -
28. Sheetmetal fabrication shop	- " -	- " -

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Mali</u>		
1. Establishment of facilities for manufacture of hosiery towel and grey cloth	Formulation of a framework possibility of technical assistance	CEPI, Mali and Ministry of Industry, Pakistan
2. Bricks manufacturing plant	Feasibility study	CEPI, Mali, and Ministry of Foreign Economic Relations and Trade, China
3. Fruit and vegetable processing project	Exchange of information and preparation of project profile	CEPI, Mali, and M/S Mohan MEAKIN, India
<u>Niger</u>		
1. Village mills, crushers	Training	M/S Commission Mixte Nigro Nigerian de Coopération, Niger and PDTC, NSIC, India
2. Water pumps	Consultancy (Commissioning and management)	- " -
3. Processing of cereals	Study for restructuring	Ministère de l'Industrie, Niger and Ministry of Foreign Economic Relations and Trade, China

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Nigeria</u>		
1. Fertilizers)	Exchange of information and documentation	Nigeria firms and Ministry of Industry, Pakistan
2. Dairy products)		
3. Food processing)		
4. Agricultural machinery and implements)		
5. Writing and printing paper mills	Supply of necessary information for local businessmen	M/S Larsen and Tubro Ltd., India
<u>Rwanda</u>		
1. Bicycle tyres and tubes	Exchange of information, possible joint venture	Ministry of Industry, Rwanda, and Ministry of Industry, Thailand
- " -	- " -	Ministry of Industry, Rwanda, and India-Ambadi Enterprise, Madras
2. Tannery	Feasibility study for rehabilitation and development of existing tannery will be made available to Thailand for consideration of possible joint venture	Ministry of Industry, Rwanda, and Ministry of Industry, Thailand
3. Biogas factory	Feasibility study, engineering study, supply of equipment and training	Ministry of Industry, Rwanda and Sri Lanka

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
4. Rehabilitation and development of forge and machine shop	Study of feasibility and economic viability of the project	Ministry of Industry, Rwanda and NSIC, India
5. Small foundry	- " -	- " -
<u>Sénégal</u>		
1. Plant for the manufacture of ice for consumption)	
2. Establishment of a fruit juice processing unit (SITRAF))	
3. Manufacture of enamel household articles)	
4. Establishment of semi-industrial exploitation and processing of salt at Lake Ratba in the village of Niaga	)	Société Nationale d'Etudes et de Promotion Industrielles, Sénégal
5. Plant for the manufacture of iron and steel sections	)	and
6. Medium boiler-making project	)	Ministry of Industry, Pakistan
7. Manufacture of pharmaceutical cotton)	
8. Utilisation of Sugar Cane Molasses)	
9. Manufacture of cattle feed)	
10. Promotion, development and assistance to small and rural industrial projects - Medical dressing unit	Feasibility studies, preparation of project report, exchange of experts and technicians, and exchange of information	Société Nationale d'Etudes et de Promotion Industrielles, Sénégal, and NSIC, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Sénégal</u>		
Utilisation of sugar molasses *	Project document was submitted to Thailand for possible investment.	Ministry of Industry, Thailand
11. Salt refining	Feasibility studies, preparation of project report, exchange of experts and technicians, exchange of information	Société Nationale d'Etudes et de Promotion Industrielles, Sénégal and M/s. Dutta Scientific Works, New Delhi, Associate of NSIC Ltd., New Delhi
12. Manufacture of centrifugal pumps	Market survey and feasibility study Transfer of technology Execution of project including supply of machines and equipment Expert services and training	Société Nationale d'Etudes et de Promotion Industrielles, Sénégal and PMT (International) Ltd., India
13. Production of tractors	Transfer of technology Execution of project including supply of machines and equipment Expert services and training	Société Nationale d'Etudes et de Promotion Industrielles, Sénégal and PMT (International) Ltd., India
14. Manufacture of enamel household articles	- " -	- " -

* same project as no. 8

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Somalia</u>		
1. Leather factory)	To establish framework agreements for joint venture	Ministry of Industry and Commerce, Somalia, and Ministry of Industry, Pakistan
2. Mini-cement plant)		
3. Extraction of edible oil)		
4. Manufacture of cooking oil)		
- " -	- " -	Philippines
5. Manufacture of glass bottles	Joint venture, technical assistance and training	- " -
6. Shoe production	Technical assistance	- " -
7. Rehabilitation of Textile Mill	Balancing, modernization and rehabilitation study	- " -
8. Training in foundry and mechanical engineering technology	Training	Foundry and Mechanical Workshop, Somalia, and Ministry of Heavy Industries, Iran
9. Setting up of a sanitary fittings and builders, hardware items	Feasibility study followed by technology transfer agreement	Foundry and Mechanical Workshop, Somalia, and Bhaskar Electro Ceramics, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
10. Manufacture of LPG gas bottles	Feasibility study	Ministry of Industry and Commerce, Somalia, and
- " -	- " -	Ministry of Foreign Economic Relations and Trade, China
- " -	- " -	Yugoslavia
- " -	- " -	NOIDA, India, Association, NOIDA
		HMT (International) Ltd., India
11. Farm implements	Feasibility study	Ministry of Foreign Economic Relations and Trade, China
- " -	Training	Philippines
12. Manufacture of Kerosene stoves	Feasibility study and possible turnkey project	Ministry of Foreign Economic Relations and Trade, China
- " -	Feasibility study	Hulasi Metal Industries, Jaipur, Associate of NSIC Ltd., India
- " -	Turnkey project	NOIDA Entrepreneurs Association, Associate of NSIC, India
13. Up-grading of small foundry projects and agricultural implements manufacturing units	Feasibility studies	Foundry and Mechanical Workshop, Somalia, and NSIC/PDTC, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Somalia</u>		
14. Lime producing plant	Feasibility study	Ministry of Industry and Commerce, Somalia, and Dyers Lime and Chemicals Pvt., Ltd., India
15. Hand dying	Training)	Co-ordinating Committee for International Technical Co-operation (CCITC), Ministry of Industry, Indonesia
16. Batik	Training)	
17. Wood carving	Training)	
18. Leather tanning	Training)	
19. Mini steel foundry	Up-grading of production and possible joint venture		Ministry of Industry and Commerce, Somalia, and Yugoslavia
20. Food processing machinery manufacture	Exchange of preliminary information with possible negotiations of the type of co-operation	- " -
L.P.G. gas bottles *)	M/s. Foundry and Mechanical Workshop, Somalia and NOIDA Entrepreneurs Association, NOIDA Associate of NSIC Ltd., New Delhi
21. Foundry/cast iron (Casting with Cupola oil Rotary Furnace)	) Turnkey projects
22. Die-casting)	
23. Kerosene stove)	
)	

* same project as no. 10

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Somalia</u>		
24. Cement plant 600 tons/day	Expert services, feasibility study, turnkey project and training	Ministry of Industry and Commerce, Somalia
25. Paper plant 50 tons/day	- " -	and M/S Project Development Consultants Pvt., Ltd., Delhi
- " -	- " -	M/S Development Consultants Pvt., Ltd., Calcutta, Associates of NSIC Ltd., India
26. Wind mills for water pumping	Feasibility study Training Transfer of technology	M/S Larsen and Tubro Ltd., India Technical Committee for Energy and Members of Arab Committee for Renewable Energy, Somalia, and
- " -	Expert services Technical assistance	Marketing Wind Energy Centre Institute of Engg. and Rural Technology, Allahabad HMT (International) Ltd., India Philippines

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Somalia</u>		
27. Manufacture of agricultural equipment and hand tools	Technical know-how Execution of project including Supply of machines and equipment Expert services and training Exchange of information with possible technical assistance	Foundry and Mechanical Workshop, Somalia and HMT (International) Ltd., India
- " -	- " -	Foundry and Mechanical Workshop, Somalia and Yugoslavia
28. Metal casting and mechanical workshop	Execution of project including supply of machines and equipment Expert services and training	Foundry and Mechanical Workshop, Somalia and HMT (International) Ltd., India
- " -	- " -	Foundry and Mechanical Workshop, Somalia and Yugoslavia
29. Hardware production)	Feasibility study followed by joint ventures	Foundry and Mechanical Workshop, Somalia and Pakistan
30. Mini steel foundry **)		
31. Manufacture of brass sanitary fittings)		
32. Manufacture of agriculture implements and hand tools) Kerosine stoves *		
33. Food processing machinery manufacture ***)		
	* same as project no. 23	** same as project no. 19
		*** same as project no. 20

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Somalia</u>		
34. Energy management seminar for East African countries	Expert participation	Philippines
35. Building hardware	Joint venture Technical assistance	- " -
36. Masters in engineering	Fellowships (5)	- " -
37. Production of alcoholic beverage	Joint venture Technical assistance	- " -

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Sri Lanka</u>		
1. Natural rubber	Fields of co-operation to be further identified	Sri Lanka firms and Yugoslavia
2. Mini hydro power plant	- " -	- " -

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Swaziland</u>		
1. Paper mill	Feasibility study	Ministry of Foreign Economic Relations and Trade, China
2. Oil mills	Turnkey project	Ministry of Commerce, Industry and Tourism, Swaziland and M/s. Pentam Industries, Madurai Associate of NSIC Ltd., New Delhi
3. Foundry	Transfer of technology Execution of project including supply of machines and equipment Expert services and training	Ministry of Commerce, Industry and Tourism, Swaziland and IBT (International) Ltd., India
<u>Togo</u>		
1. Plastic toys	Setting up of the manufacturing unit including supply of machines and equipment Expert services and training	Société Togolaise d'études de développement (STED), Lomé, Togo and IBT (International) Ltd., Bangalore, India
2. Development of small industries	Turnkey project Co-operation in management Exchange of information	Direction de l'Industrie et de l'Artisanat, Lomé, Togo and National Small Industries Corporation (NSIC), New Delhi, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
3. Small foundry	Turnkey project based on the conclusion of the feasibility study	National Small Industries Corporation (NSIC), New Delhi, India
4. Fruits and vegetables processing	Exchange of information and preparation of project profiles	Direction de l'Industrie et de l'Artisanat, Lomé, Togo and Mohan Meakin, New Delhi, India
5. Metal containers)	Turnkey project	Direction de l'Industrie et de l'Artisanat, Lomé, Togo and 1. M/s. Rhiman Sales Corporation, Chandigarh, India 2. M/s. Apollo Engg. Works, Delhi, Associate of NSIC Ltd., New Delhi, India
6. Nuts and bolts)		
7. Mechanical engineering workshop)		
8. Engineering and design centre)		
9. Surgical bandages)		
10. Surgical cotton)		
11. Glass tableware (lens glasses))		
12. Glass laboratory equipment)		
13. Palm oil and derivatives	Exchange of information with a view to studying the possibility of joint venture	M/s. Pentam Industries Madurai Associate of NSIC Ltd New Delhi
14. Fruit juice	Exchange of information and examination of existing study with a view to implementing the project	HMT (International) Ltd. Bangalore, India
15. National Centre of Technology	Training and experts services	1. Technology Consultants Faridabad, India 2. National Small Industries Corporation (NSIC) New Delhi, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Uganda</u>		
1. Plastic wares	Execution of project including supply of machines and equipment Expert services and training	Road Master Construction and Building Materials (EA) Ltd., Kampala, Uganda and MIT(International) Ltd., Bangalore, India
2. Foundry	Assistance in expansion of the existing fabrication and machine shop to a foundry Execution of project including supply of machines and equipment Installation of plant machinery Expert services and training	Jisk Engineering Ltd., Kampala, Uganda Small Scale Industry Association, Uganda and National Small Ind. Corp., Ltd., Delhi, India and MIT (International) Ltd., Bangalore, India
3. Organic Fertilizer Plant	Feasibility study already done. Joint venture	National Coffee Association, Uganda and Ministry of Industry, Pakistan Philippines
- " -	- " -	
4. Small scale industry - Horns button making	Feasibility study Turnkey project Training	Ministry of Industry, Uganda and National Small Ind. Corp., Ltd. Delhi, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Uganda</u>		
5. Paper pins, gem clips and staple pins making unit)	Feasibility study	M/S. Cottomax, Kampala, Uganda
6. Oil extraction)	Turnkey execution	and National Small Ind. Corp. Ltd., Delhi, India
7. Briguetting machine	Training	
	Supply of machine	Small Scale Industry Association Uganda and National Small Ind. Corp. Ltd., Delhi, India
8. Plaster of Paris and Gypsum product plant - 100 Mt/Month	Provision of equipment and training	Cottomax Ltd., Uganda and Electro Ceramics, India and NSIC, India
9. Paper Mill 30T/day	Implementation of the project on the basis of feasibility study already done	Small Scale Industry Association Uganda and Larsen and Tubro Ltd., India
10. Shoe manufacturing)	Training	Coordinating Committee for International Technical Cooperation (CCITC), Ministry of Industry, Indonesia
11. Leather tanning) Curving of hides and skins)		

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Uganda</u>		
12. Cassava starch)	Turnkey projects	M/S Roadmaster General Stores (EA) Ltd., Kampala, Uganda and M/S Mather and Platt., Bombay M/S Coromandal Hydraulics, Dindigul M/S National Sugar Industries, Meerut (U.P.), Associates of NSIC Ltd., India
13. Sugar mini plant)		
14. Mirrors)		
15. Bicycle fasteners)		
16. Leather gloves)		
17. Bricks and tiles)		
18. Paper (Handmade))		
19. Socks)		
20. Shoe laces)		
21. Toughened safety glasses	Turnkey project	M/S Roadmaster Construction and Building Materials (EA) Ltd., Kampala, Uganda and M/S Super Tough Industries, NOIDA (UP) NOIDA Entrepreneurs Association NOIDA (UP), Associates of NSIC Ltd., India NSIC, India
22. Hacksaw blade	Turnkey project	M/S Radio African Ltd. Kampala, Uganda and M/S Pentam Industries, Madurai, Associate of NSIC Ltd., India
23. Water pumps	- " -	- " -

Country/Project

Nature of Co-operation

Co-operating Partners

Uganda

24. Fuel briquetting plant	Turnkey project	M/S Young African Metal Works, Kampala, Uganda and PDTIC, India
25. Paper (Handmade) *	Turnkey projects	M/S Young African Metal Works, Kampala, Uganda and M/S Coromandal Hydraulics, Dindigul M/S Indo-Europa, Bombay Associates of NSIC Ltd., India M/S Mather and Platt, Bombay NSIC, India
26. Fruit and vegetable preservation)		
27. Poultry and cattle feed)		
27. Maize and surgam flour mill)		
28. Foundry for sanitary fittings (manhole covers, rain drain pipes)	Training	Uganda Small Industries Association, and NSIC, India

* same as project no. 18

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Tanzania</u>		
1. Improvement of production, design and techniques of the garments for export to the EEC	Upgrading of the quality of garments Nature of co-operation to be identified later.	India
- " -	- " -	Pakistan
2. Fruit and vegetable processing	Exchange of information, preparation of project profiles and feasibility study	Ministry of Industry, Tanzania and Mohan Meakin, India
3. Black wood processing mill	Feasibility study	Ministry of Foreign Economic Relations and Trade, China and Ministry of Industry, Tanzania
4. Wood carving	Training	Co-ordinating Committee for International Technical Co-operation (CCITC), Ministry of Industry, Indonesia
5. Ceramics	Training	- " -
6. Leather tanning	- " -	- " -
7. Batik	- " -	- " -
8. Hand dyeing	- " -	- " -
9. IPP Limited Glass project	Expert services and training of technical personnel from Tanzania in an operating glass plant in India	The All India Glass Manufacturing Federation, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
10. Ink for ball-point refills	Identification of additional product mix, transfer of technology for manufacturing ball points ink	Luxor Pen Co., India
11. Furniture industry	Transfer of technology and training of personnel	Democratic People's Republic of Korea
12. Manufacture of coconut	Training and expert services	Indonesia
- " -	- " -	Philippines
13. Palm oil mill	Supply of plant and machinery for palm oil and palm-kernel extraction, turnkey project	Industrial Management Services Ltd., India
14. Toughened sheet glass for bus body, etc.	Transfer of technology and supply of plant equipment	NOIDA Industrial Estate, India
15. Soft drink plants	Supply of plant equipment	Yugoslavia
16. Mineral water plants	- " -	- " -
17. Agriculture joint ventures	- " -	- " -
18. Water purifier candle	Transfer of technology and supply of plant equipment	NRDC-NSIC, India
19. Tyre retraining unit	Upgrading the quality of manufacturing process	NSIC-SWASTIK, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Tanzania</u>		
20. Automotive rubber hose for radiator	Feasibility study, turnkey project	COMAFRIC Ltd., Tanzania and NSIC, India
21. Automotive rubber moulded components	- " -	- " -
22. Automotive oil seal and 'O' ring	- " -	- " -
23. Automotive brake rubber kits and parts	- " -	- " -
24. Cold process tyre retreading	- " -	- " -
25. Radiator updating/modernization of existing plant	- " -	- " -
26. Hydraulic press (100 tons)	Balancing machine for manufacturing radiator	NSIC, India
27. Dye casting machine	Balancing machine for automotive spares	NSIC, India
28. Press brake	Balancing machine for metal fabrication unit	NSIC, India
29. Mini hydro power project	Training	Ministry of Industry, Tanzania and China
30. Hack saw mill	Feasibility study, turnkey project	Industrial Promotion Services, Tanzania, and NSIC, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Zambia</u>		
1. Industrial ink	Turnkey execution	M/S General Pharmaceuticals Ltd., Zambia, and M/S Swastik Rubber Industries, Pune, Associate of NSIC, India
2. Hand operated paper making unit	Turnkey execution	Ministry of Commerce and Industry, Zambia and M/S Khadi Village Industries Commission, India
3. Biogas	Exchange of information	NSIC, India
4. Kaolin based paints	Turnkey execution	M/S General Pharmaceuticals Ltd., Zambia and M/S Rajdoot Paints, India Associate of NSIC, India
5. Medical Dressing and Hospital	Turnkey execution	M/S General Pharmaceuticals Ltd., Zambia and M/S Dhiman Sales Corporation, Chandigarh, Associate of NSIC, India

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Zambia</u>		
6. Vacuum flasks	Turnkey execution	M/S General Pharmaceuticals Ltd., Zambia and M/S NOIDA Entrepreneurs Association, NOIDA (UP) Associate of NSIC, India
7. Cryogenic flasks	- " -	- " -
8. Rubber goods	Turnkey execution	M/S General Pharmaceuticals Ltd., Zambia and M/S Micro Matics, Madras
- " -	- " -	M/S Swastik Rubber Industries, Pune, Associates of NSIC, India
9. Electric bulbs	- " -	M/S General Pharmaceuticals Ltd., Zambia and NSIC, India
10. Tablets)	Turnkey execution	M/S General Pharmaceuticals Ltd., Zambia and M/S Lupin Pharmaceuticals Ltd., Aurangabad M/S Asian Printing Press, Delhi, India Associates of NSIC, India
11. Capsules)		
12. Toiletries/Cosmetics)		
1) Soaps)		
ii) Shampoos)		
iii) Nail polish)		
iv) Nail polish removers)		
v) Hair oils)		
13. Machinery for printing packing and)		
packaging oils, ointments and creams)		
14. Special product Arnica hair oil)		

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Zambia</u>		
15. Setting up of Edible Oil Extraction Unit	Installation and commissioning of machines and training	AEE (ltd.), Zambia and Ministry of Foreign Economic Relations and Trade, China
- " -	Formulation of project proposal	Ministry of Commerce and Industry, Zambia and Bhaskar Group of Companies, India Penterm Industries, India
16. Sericulture	Formulation of project proposal, transfer of technology and supply of machinery	Ministry of Commerce and Industry, Zambia and Department of Technical Cooperation, Democratic People's Republic of Korea
17. Pharmaceutical and Pesticide Industry	Possibility of transfer of technology, training and equity participation	Pakistan

<u>Country/Project</u>	<u>Nature of Co-operation</u>	<u>Co-operating Partners</u>
<u>Preferential Trade Area (PTA)</u>		
1. Cement production	Plant operations particularly rehabilitation	Organization in Kenya and Uganda to be identified by PTA and China
- " -	- " -	Organizations in PTA member States to be identified by PTA and Pakistan
2. Fertilizer and pesticides	Plant operations and rehabilitation	Organizations in PTA member States to be identified by PTA and Pakistan

Annex II

Statement showing the agreed projects
for interregional co-operation

1. Network system amongst management training institutions in Asia and Africa
2. Strengthening of training capacities and capabilities on entrepreneurial development, small industry and business consultancy in African countries
3. Development of Mini Hydro Power Programmes in African countries
4. Strengthening of training capacities and capabilities for Food Processing Industries in African countries
5. Transfer of biogas technology to African countries
6. Transfer of technology for making briquettes from biomass
7. Technical co-operation in the safe development and use of pesticides in African countries
8. Engineering and Capital Goods Industries Centre
9. Development of construction technologies and building materials industries for low-cost housing
10. Technical co-operation for enhancing the participation of women in industrial development in African countries
11. Training in Foundry
12. Assistance to the African Regional Centre for Engineering Design and Manufacture (ARCEDEM)
13. Assistance to the Organization for Standardization (ARSO)
14. Assistance to the African Regional Centre for Technology (ARCT)

15. Inplant Group Training Programmes in the field of:

Iron and steel

Cement

Small scale industry management

Packaging

16. Regional network for cement in French speaking African countries (CIMA-FRIQUE)

17. Survey of iron and steel industry in West Africa and Central Africa

18. Assistance to PTA in the fields of sponge iron and cement

19. Development of telecommunication industry in Africa

RESULTS OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

PROJECTS	NATURE OF CO-OPERATION	SPONSORING COUNTRY	COUNTRIES/ORGANIZATIONS WILLING TO PARTICIPATE
1. Network system amongst management training institutions in Asia and Africa	Networking of existing national focal points to upgrade their capacity and share existing experience		Côte d'Ivoire Gambia India Madagascar Philippines Thailand
2. Strengthening of training capacities and capabilities on entrepreneurial development, small industry and business consultancy in African countries	<u>Adapted programme for African entrepreneurs</u> - Training in India for trainees to train African entrepreneurs - Training in Africa for African entrepreneurs with the assistance of India and international organizations - Training in various related industrial development fields (banking, rural industry, etc....) - Seminars in Africa with the assistance of India to conceive and to develop adapted programmes	<u>India</u> and African countries to be identified.	Burkina Faso Burundi Cameroon Comoros Côte d'Ivoire Guinea India Malawi Mali Niger Nigeria Senegal Somalia Tanzania Togo Zambia
	<u>Financial and human resources to support the programme</u> - UNIDO and other international organization would be approached. - Indian Government would also be approached. - Contribution is expected from the African Governments interested in such a programme via their support to strengthen institutions and entrepreneurial promotional programmes.		

RESULTS OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

PROJECTS	NATURE OF CO-OPERATION	SPONSORING COUNTRY	COUNTRIES/ORGANIZATIONS WILLING TO PARTICIPATE
3. Development of Mini Hydro Power Programmes in African countries	Technical assistance	China	
	Guinea may be interested to serve as a test country for mini hydro plants installation where such experience may be developed for the benefit of the other countries of Economic Community of West African States (ECOWAS)	Guinea (Ministry of Industry - subject to confirmation by the Government.)	Guinea Mali Tanzania Zambia
	China will send a study team to Mali to review and assess the possibilities for mini hydro development in Mali.	Mali (Centre for Industrial Studies and Industrial Promotion - subject to confirmation by the Government)	
	In the context of the existing bilateral agreement between China and Tanzania, China will provide training in China for 3 Tanzanians in mini hydro technology.	Tanzania (Ministry of Industry - subject to confirmation by the Government)	
4. Strengthening of training capacities and capabilities for Food Processing Industries in African countries	Training, study tours, rehabilitation	India, Pakistan (subject to the agreement of the Government of Pakistan), Yugoslavia	Algeria Burkina Faso Cameroon Comoros Lesotho Madagascar Somalia Tanzania

RESULTS OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

PROJECTS	NATURE OF CO-OPERATION	SPONSORING COUNTRY	COUNTRIES/ORGANIZATIONS WILLING TO PARTICIPATE
5. Transfer of biogas technology to African countries	Expert services Training Supply of machinery	China	Liberia Madagascar Tanzania
6. Transfer of technology for making briquettes from biomass	Transfer of technology Training Supply of machinery	India	Cameroon Liberia Madagascar Tanzania
7. Technical co-operation in the safe development and use of pesticides in African countries	Training, study tours, rehabilitation	India	Burundi Ethiopia Malawi Somalia Tanzania Zambia
8. Engineering and Capital Goods Industries Centre	Technical support and expert assistance in project and plant engineering, design, maintenance production technology, training standardization, spare part planning and manufacture	India	Algeria Cameroon Ethiopia Somalia Tanzania OAU

RESULTS OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

PROJECTS	NATURE OF CO-OPERATION	SPONSORING COUNTRY	COUNTRIES/ORGANIZATIONS WILLING TO PARTICIPATE
<p>9. Development of Construction technologies and building materials industries for low-cost housing</p>	<p>a) Cameroon and Gambia stressed the importance and urgency of the project which should aim at developing building materials from local materials for the masses. UNIDO should immediately implement the project which should include the expert advice.</p> <p>b) Indonesia prepared to co-operate in the project especially in the field of training. Indonesia also offered to repeat the course in the field of ceramics for 8 African participants for a period of 3 months. Costs could be borne by Indonesia and UNIDO. A project proposal will be submitted bearing in mind the expressed needs of the African countries.</p> <p>c) NCCBN of India prepared to provide assistance in training, development of local building materials, testing, construction technologies and can send experts to African countries for on the spot assistance. Financing arrangements to be worked out with the sponsoring agency.</p>	<p>Cameroon</p>	<p>Gambia India Indonesia</p>

RESULTS OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

PROJECTS	NATURE OF CO-OPERATION	SPONSORING COUNTRY	COUNTRIES/ORGANIZATIONS WILLING TO PARTICIPATE
10. Technical co-operation for enhancing the participation of women in industrial development in African countries	Exchange of experience Study tours	To be identified.	Cameroon China Gambia Pakistan Philippines Tanzania OAU PTA
11. Training in Foundry	Iran/UNIDO/NSIC Joint-training contributions in foundry	Iran	Cameroon Gambia Uganda Zambia
12. Assistance to the African Regional Centre for Engineering Design and Manufacture (ARCEDEM)	NSIC of India/Iran/Pakistan joint contributions for assistance to ARCEDEM	<u>Nigeria</u> and other Member states of ARCEDEM	Algeria Burkina Faso Burundi Comoros Egypt Guinea Liberia Mali Niger Senegal Sudan Tanzania Togo Zambia

RESULTS OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

PROJECTS	NATURE OF CO-OPERATION	SPONSORING COUNTRY	COUNTRIES/ORGANIZATIONS WILLING TO PARTICIPATE
13. Assistance to the Organization for Standardization (ARSO)	NSIC of India to contact the Indian Standards Institution (ISI) which could co-operate with ARSO. Full information on project should be sent to NSIC for ISI.	Kenya and other Member States of ARSO	Burkina Faso Cameroon Côte d'Ivoire Egypt Ethiopia Sudan Tanzania Togo Uganda Zambia
14. Assistance to the African Regional Centre for Technology (ARCT)	Senegal stressed the importance of ARCT which should be fully supported. NSIC of India could provide for prototypes of equipment for the commercialization of African indigenous technologies as well as training. Finance to be borne by sponsoring agency.	Senegal and other member States of ARCT	ARCT member States India Botswana Cameroon Côte d'Ivoire Egypt Ethiopia Ghana Guinea Kenya Malawi Morocco Nigeria Sierra Leone Tanzania Zambia Zimbabwe

RESULTS OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

PROJECTS	NATURE OF CO-OPERATION	SPONSORING COUNTRY	COUNTRIES/ORGANIZATIONS WILLING TO PARTICIPATE
15. <u>Plant Group Training Programmes in the field of :</u>			
Iron and steel Cement Small scale industry management Packaging	a) <u>Pakistan</u> intended to hosting programmes in <u>iron and steel and cement</u> , and will bear all local cost. External costs to be borne by sponsoring agency.	Pakistan	PTA member Countries
	b) <u>India (NCCSM)</u> well equipped and ready to offer training in <u>cement</u> in India or Africa. Financial arrangements could be negotiated with sponsoring agencies.		PTA member Countries
	c) <u>NSIC and NISI of India</u> prepared to co-operate in organizing the training programme in SMI management. Finance arrangements to be worked out with sponsoring organization. Cameroon and Uganda prepared to host the programme if held in Africa.	Cameroon Uganda	PTA member Countries
16. Regional network for cement in French speaking African countries (CINAFRIQUE)	a) Contacts will be established with the Cement Research Institute at Gersik, Surabaya in <u>Indonesia</u> which is owned by the Cement industry if it would be interested to carry out the project but at no cost to Indonesia.	Indonesia	ECOMAS/ECCAS member Countries
	b) <u>India (NCCSM)</u> prepared to participate but financial arrangements to be worked out with CINAFRIQUE and sponsoring agency.	India	French speaking Afric. Countries

RESULTS OF GROUP DISCUSSIONS ON INTERREGIONAL PROJECTS

PROJECTS .	NATURE OF CO-OPERATION	SPONSORING COUNTRY	COUNTRIES/ORGANIZATIONS WILLING TO PARTICIPATE
17. Survey of Iron and Steel industry in West Africa and Central Africa	<u>Pakistan and India</u> prepared to carry out survey if funds are made available by sponsoring agency.	Pakistan India	ECOWAS/ECCAS member Countries
18. Assistance to PTA in the fields of sponge iron and cement	a) <u>China</u> prepared to carry out the projects if funds are made available. b) <u>The NCCSM of India</u> interested in carrying out one cement project. Financial arrangements could be worked out with the sponsoring agency.	China India	PTA member countries
19. Development of telecommunication industry in Africa	a) <u>Pakistan</u> interested in the project, especially in the training aspects. It will absorb local costs but external costs will have to be provided by the sponsoring agency. b) <u>India</u> also willing to participate in the project.	Pakistan India	PTA member countries PTA member countries

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37. YUGOSLAVIA

Ms. Radmila MARICEVIC GAVELA
Head of Department for Multilateral Co-operation
Federal Committee for Industry and Energy

Ms. Vida POPOVIC
Counsellor, Yugoslav Bank for International Economic Co-operation

Mr. Zvonimir VUJCIC
Section Director, Invest-Import

Mr. Dzemil METILJEVIC
Marketing Manager, Energoinvest

Mr. Jovan RADA KOVIC
Counsellor (Economic Affairs)
Yugoslav Embassy, New Delhi

Mr. Mehmet KURAJA
Yugoslav Trade Commissioner, New Delhi

Mr. Mirko PEROVIC
Resident Director, RUDNAP, Export-Import

Mr. Dragoljub CIRIC
Head, Marketing Department, Association IPM

Mr. Ranko MANDIC
Assistant, Yugoslav Trade Commissioner, New Delhi

38. ZAMBIA

Mr. Goodson C.L. MUBANGA
Economist, Ministry of Commerce and Industry

Mr. Luke C. MBEWE
General Manager, AFE Ltd.

Mr. Mwima ILUYA
General Manager, General Pharmaceuticals Ltd.

ORGANIZATIONS

1. UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION (UNIDO)

Mr. N.N. Tandon
Mr. H. Fan
Mr. S. Ndam
Mr. F. Roche
Mr. M. Touré
Mr. N. Constantin
Mr. A.R. Diallo
Mr. N. Popov
Mr. V.K. Chanana
Mr. S. Sachdeva

- - -

Mr. K. Hussein, SIDFA, New Delhi
Ms. A. Jibidar, JPO, Cameroon

2. UNITED NATIONS DEVELOPMENT PROGRAMME (UNDP)

Mr. G. Handy, Resident Representative
New Delhi

3. AFRICAN DEVELOPMENT BANK

Mr. Mustapha EL GHALI
Expert

4. COMMONWEALTH SECRETARIAT

Mr. A.F. Couto
Director, Industrial Development Unit

Dr. O.A. Ajayi
Assistant Director, Industrial Development Unit

5. INTERNATIONAL CHAMBER OF COMMERCE (ICC)

Mr. C.P. Rao
Consultant, Madras

6. ISLAMIC DEVELOPMENT BANK

Mr. Abdurahman HERSI
Adviser

Mr. Suat OKSUZ
Senior Economist

7. ORGANIZATION OF AFRICAN UNIT (OAU)

Mr. F.Y. Alipui
Head, General Economic Affairs Division

8. PREFERENTIAL TRADE AREA FOR EASTERN AND SOUTHERN AFRICAN STATES (PTA)

Mr. J.E.O. Mwencha
Senior Industrial Expert

9. WORLD ASSEMBLY OF SMALL AND MEDIUM ENTERPRISES

Mr. Chakradhari AGRAWAL
Secretary General

Mr. S.E. JOSEPH

Mr. P.C. JAIN

Annex IV

List of Documents

1. Provisional Agenda, CRP No. 1
2. Provisional working programme, CRP No. 2
3. Background paper on the Industrial Development Decade for Africa (IDDA), CRP No. 3
4. UNIDO's activities for promoting and implementing economic and technical co-operation among developing countries, CRP No. 4
5. Project proposals for industrial co-operation between African and Asian countries, CRP No. 5 and Add. 1 + 2
6. India - A partner in industrial co-operation

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In addition, the following papers were distributed during the meeting.

1. Training programme (TCDC) in the Republic of Indonesia
2. Offers for co-operation in the areas of transfer of technology, training and expert services - Democratic People's Republic of Korea
3. Note on Saudi Arabia's contribution to the implementation of IDDA.