

# Diversification of crop farming pattern stressed

Agriculture experts at a workshop here Wednesday stressed the need for diversifying the country's present farming pattern through agriculture mechanisation to boost cereal production, reports UNB.

This is imperative to maintain harmony in cultivation and attain self-sufficiency in food production, they told the workshop on "Mechanisation for Diversified Agriculture" organised by Bangladesh Agricultural Research Council (BARC) at its auditorium.

The experts emphasised on increasing cropping intensity and production as the crop area is shrinking. Crop diversification can also help earn foreign exchange and maintain environmental balance.

About 40 experts from agriculture, farm machinery and irrigation equipment manufacturers, banking and financial institutions, donors, NOOs and farmers participated in the day-long workshop.

Agriculture Secretary ANM Yusuf, Member-Director of BARC Dr Z. Karim, Member-Director of BARC Dr AKM Moniruzzaman, Executive Director PIU and CDP AK Munshi and Resident Project Manager of CEA and CDP Malcom MacGregor spoke at

the inaugural session of the workshop.

Dr AKM Moniruzzaman, Dr RI Sarkar, AR Bose, AA Chowdhury and DN Sharma presented three papers on "Mechanisation for Diversified Agriculture: Present Status and Potential," "Institutional vs commercial approaches to machinery research and development" and "Production and marketing of agricultural machinery: Private sector perspectives."

The Agriculture Secretary underlined the need for crop diversification to increase the production of pulse, oil seed and tuber crops in comparison with rice production.

He pointed out that the country used to cultivate many more crops in the past with special emphasis on rice, it is now self-sufficient in rice production but not in other crops. Huge amount of foreign currency has to be spent for importing pulses, oil seed and other crops.

Yusuf said huge amount of foreign currency could be earned and environmental balance could be maintained through crop diversification programme. "We can easily double our production capacity by our own technologies. We

have to increase cropping intensity and production as crop area is shrinking day by day."

Dr AKM Moniruzzaman said increasing trend of rice production is creating an imbalance situation and compelling the country to import pulses and oil seeds.

Boro was produced 6357 tons on 2548 hectares of land in 1990-91 as against 3350 tons on 1401 hectares of land in 1983-84. Pulses was produced 523 tons on 734.28 hectares of land and oil seed 446 tons on 573.87 hectares of land in 1990-91 as against 551 tons on 810.11 hectares of land and 468 tons on 613.46 acres of land respectively.

Farmers will continue to expand growing Boro unless the cultivation of pulses and oilseeds are made profitable compared to Boro, Dr Moniruzzaman said.

To make the pulses and oil seeds as profitable as Boro at the present level of yields, mustard would need a price rise of about 60 per cent, lentil and blackgram about 100 per cent and Kheshari about 300 per cent.

Rice is grown on about 10.5 million hectares over three main growing seasons of the

year. Out of this area, Boro covers more than 2.5 million hectares which is about 25 per cent of the total rice area and 27 per cent of the cultivable area, he added.

Regarding agriculture mechanisation, he said shortage of draft power, shorter length of turn around time between seasons, abundance of labours and suitability of technology determine the mechanisation process.

He said land preparation, irrigation, insecticide spraying, threshing, crushing and shelling, husking and milling have been mechanized partially and their magnitude are expanding gradually throughout the country.

Prof Dr RI Sarkar Dean of the Faculty of Agricultural Engineering & Technology of Bangladesh Agricultural University, said agriculture provides half of the country's GDP, employing about 70 per cent of the total population of 115 million.

He said lack of committed farm mechanization policy and the prevailing socio-economic constraints in the country have, to some extent, limited the growth of mechanisation.

# Tea prices remain firm

By Staff Correspondent

Good general demand led most tea prices to remain firm at this week's auction sale held in Chittagong Tuesday.

According to a Unity Brokers market report, demand for the bolder broken was sustained and prices moved up in the sellers' favour.

However, fannings met with selective demand and there were withdrawals where sellers were unwilling to meet the market.

Poland, Pakistan and Commonwealth of Independent States (CIS) were the main foreign buyers at the sale while the internal buyers lent useful support and operated strongly for the market.

A total of 14,767 packages of leaf along with 171 packages of old season teas and another 2,286 packages of dust were offered at the sale. Withdrawals stood at 23 per cent of the offerings as against last week's 27 per cent.

In the leaf category, of the total offerings export buyers accounted for 42 per cent of the sale while the internal traders purchased 32 per cent and the remaining 24 per cent was withdrawn.

In the dust category, the local buyers procured 72 per cent of the sale while the export buyers brought 21 per cent and the rest seven per cent was unsold.

Following is the category-wise market performance report at the sale as prepared by the Unity Brokers:

**CTC:** Brokers were once again the strongest feature of the sale and prices inclined by Taka one to two per kg for most types. Selective popular types sold between Tk 54.00 to Tk 55.40 per kg.

Most fannings were about firm to occasionally easier except for the medium and plainer types which often moved up by poisha 50 to Tk one per kg. Selective popular types sold at between Tk 53.50 to Tk 55.60 per kg.

**Dust:** 2,286 packages along with 208 packages of old season teas were on offer. There was good demand and prices were generally firm with the clean powdery types gaining by Tk three to five per kg over valuations.

The next tea auction sale will be held on May 25 and total offerings will consist of about 13,500 packages of leaf and another 2,000 packages of dust.

# Dhaka Stock Prices

At the close of trading on May 19, 1993

## Grim trading

Dhaka Stock Exchange (DSE) suffered from a grim trading on Wednesday. The DSE index and turnover fell further.

The DSE Composite index fell to 372.0643 showing a decline of 0.256 point. Turnover in volume decreased by 20,839 per cent. It dropped to 7373 from 9314 while turnover in value term declined from Taka 940410.00 to Taka 649637.00, a fall of 30,919 per cent.

Number of stocks traded on the floor also dropped. These totalled 30 against Tuesday's 50. Of the stocks traded Wednesday, 12 gained and 12 lost while six were traded at previous rates.

Modern Dyeing topped the gainers list. It reached Taka 35.00 from Taka 34.00 showing a 2.94 per cent rise.

On the other hand, G Q Ball Pen fell to Taka 77.88 from Taka 81.70 heading the losers list on the floor.

## DAY'S TRADING AT A GLANCE

DSE Share Price Index	372.0643
Market Capitalisation (Tk)	10,637,194,139.00
Turnover in Volume	7373
Turnover in Value (Tk)	649637.00

Company's name	Previous price Tk	Closing price Tk	Change (absolute) Tk	Change (% over price)	Number of shares sold
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Gains (12)					
Shares:					
Modern Dyeing	34.00	35.00	1.00	2.941	5
Eagle Star Textile	14.20	14.50	0.30	2.112	620
IDC	221.91	226.00	4.09	1.843	40
B Autocars	55.00	55.91	0.19	1.654	80
Ambee Pharma	12.30	12.50	0.20	1.626	50
2nd ICB M Fund	173.00	175.00	2.00	1.156	100
Tallu Spinning	93.00	94.00	1.00	1.075	140
Bengal Food	121.50	122.80	1.30	1.069	565
Dulamia Cotton	75.00	75.44	0.44	0.586	450
BGC	173.00	173.65	0.65	0.375	600
B Thai Aluminium	74.76	75.00	0.24	0.321	20
Rahim Textile	78.00	78.04	0.04	0.051	60
Losses (12)					
Shares:					
G Q Ball Pen	81.70	77.88	3.82	4.675	1300
Eagle Star	15.00	14.30	0.70	4.666	50
Apex Tannery	365.00	350.00	15.00	4.109	75
Rupam Oil	4.00	3.90	0.10	2.500	100
National Bank	91.15	90.00	1.15	1.261	10
Bata Shoe	35.00	34.70	0.30	0.857	200
Afah Automotives	166.76	166.00	0.76	0.455	100
6th ICB M Fund	61.73	61.46	0.27	0.437	1270
Bextimco Infusion	240.00	239.00	1.00	0.416	20
Eastern Cables	72.57	72.40	0.17	0.234	780
Padma Textile	166.90	166.14	0.36	0.216	140
United Insurance	196.31	196.23	0.08	0.040	110

**Traded at previous rates (06)**

Shares: Aziz Pipes (70), Renwick Jaineswar (175), Cig Vegetables (70), Ashraf Textile (33), Tamijuddin Textile (10), Paper Processing (40).

## DSE SHARES AND DEBENTURES

Company	FV/ML Tk	Shanwer Jute	100/5	100.00
<b>BANKS (10)</b>				
Al Baraka Bank	1000/1	923.00		
A.B. Bank	100/5	176.00		
City Bank	100/5	320.00		
IDC Ltd	100/20	226.00		
IFIC	100/5	165.92		
Islami Bank	1000/1	1699.00		
National Bank	100/5	90.00		
Pubali Bank	100/5	100.00		
Rupali Bank	100/10	70.00		
U.B.R.	100/5	90.00		
Utara Bank	100/5	94.00		
<b>INVESTMENT (06)</b>				
1st ICB M.Fund	100/5	362.00		
2nd ICB M.Fund	100/5	175.00		
3rd ICB M.Fund	100/5	150.00		
4th ICB M.Fund	100/10	150.67		
5th ICB M.Fund	100/10	93.50		
6th ICB M.Fund	100/10	61.46		
ICB Unit Cert.				
Sales Price		120.00		
Re-purchase		115.00		
<b>INSURANCE (04)</b>				
BGC	100/10	173.65		
Green Delta	100/10	178.00		
Peoples	100/10	270.32		
United	100/10	196.23		
<b>ENGINEERING (19)</b>				
Afah Automotives	100/5	166.00		
Atlas Bangladesh	10/50	42.50		
Aziz Pipes	100/5	235.00		
Bangladesh Autocars	100/5	55.91		
Bangladesh Lamps	100/5	230.92		
B. Thai Aluminium	100/10	75.00		
Bengal Carbide	100/5	242.91		
Bengal Steel	10/50	20.00		
Eastern Cables	100/5	72.40		
Howland PVC	100/10	94.00		
Kartim Pipe	100/5	84.00		
Metalex Corp.	100/5	40.00		
Monno Stafflers	100/5	152.00		
00				
Monno Jute	100/5	270.00		
National Tubes	100/10	60.50		
Panther Steel	10/50	8.00		
Quasem Drycells	10/50	9.20		
Renwick Jaineswar	100/5	68.00		
Singer Bangladesh	100/5	1505.00		
<b>FOOD &amp; ALLIED (20)</b>				
A.B. Biscuit	100/5	300.00		
Alpha Tobacco	10/50	48.00		
Amam Sea Food	100/5	18.00		
Apex Food	100/5	650.00		
Aroma Tea	100/5	60.00		
Bangas	100/5	160.00		
B.D. Plantation	100/5	500.00		
Bengal Food	100/5	122.80		
B.L.T.C.	100/5	600.00		
B.T.C.	10/50	62.00		
Cig. Vegetable	100/10	69.50		
Dhaka Vegetables	100/5	75.00		
E.L. Camella	100/5	1040.00		
Frogleg Export	10/50	2.50		
Genral Sea Food	100/5	100.00		
Hill Plantation	100/5	550.00		
Modern Industries	100/5	220.00		
N.T.C.	100/5	207.00		
Rabeya Flour	10/100	3.90		
Rupam Oil	10/100	3.90		
Tulp Dairy	100/10	50.00		
Yousaf Flour	10/50	NT		
Zuel Bangla Sugar	10/50	6.80		
<b>FUEL &amp; POWER (06)</b>				
BD Oxygen	10/50	62.00		
Eastern Lubricant	10/50	14.00		
National Oxygen	100/10	52.00		
Padma Oil Co.	10/50	42.00		
<b>JUTE (20)</b>				
Ahad Jute	100/10	NT		
Anowara Jute	10/50	NT		
Delta Jute	10/50	8.50		
Gawson Jute	10/50	NT		
Islam Jute	100/5	40.00		
Jute Spinner	100/5	80.00		
Mutual Jute	100/5	105.00		
Northern Jute	10/50	NT		
<b>DEBENTURES (04)</b>				
Bextimco			1881.00	
17% 1998		1999/1		
Bextimco Infusion	1500/2		1650.00	
<b>(17% 1998)</b>				
Bextimco Pharma	1428/1		1250.00	
(17% 1998)				
Quasem Silk	1500/1		1150.00	
(17% 1994)				

Note: FV = Face Value ML = Market Lot NT = Not Traded AL = Allotment Letter

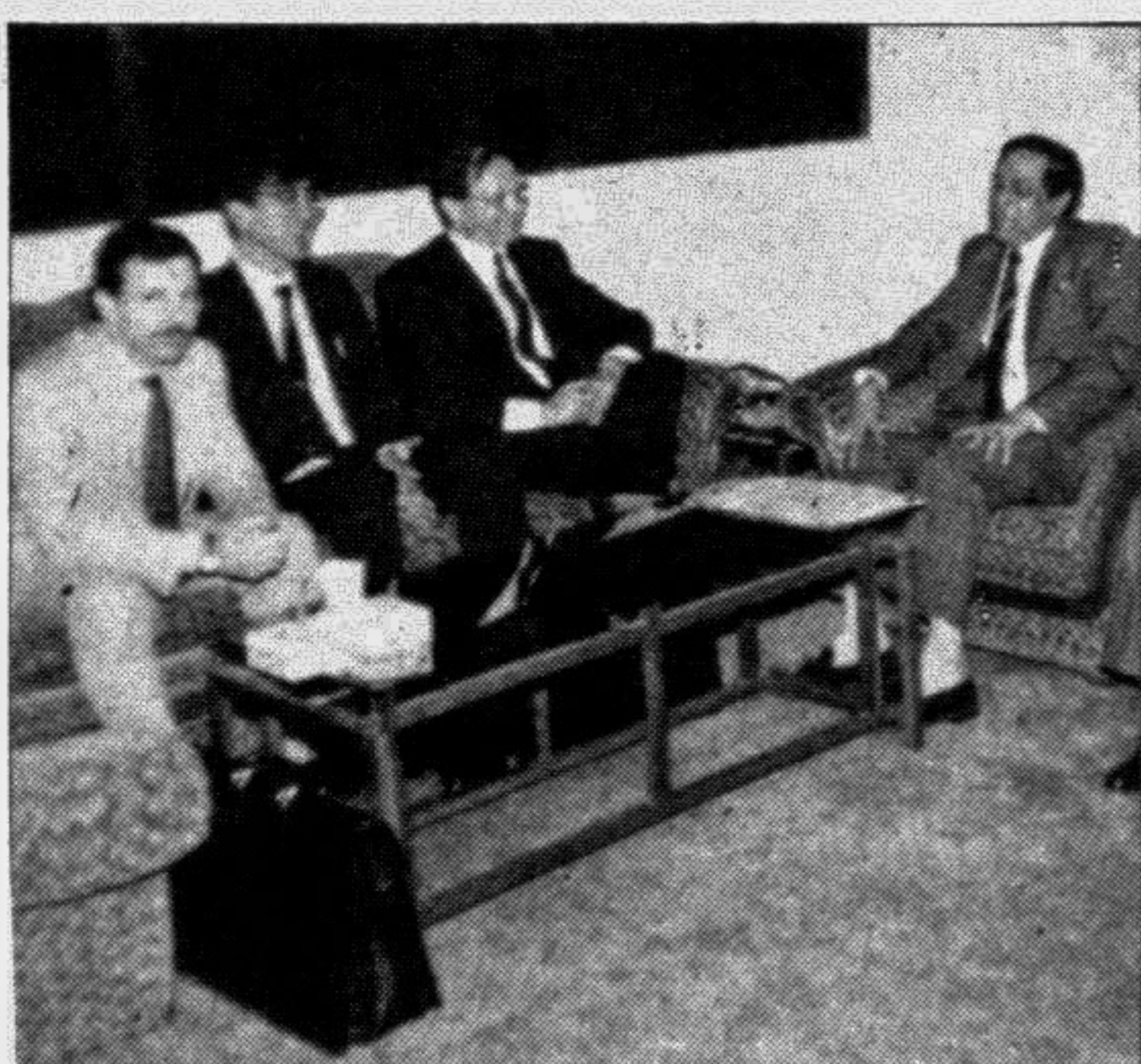
# Rome, Dhaka sign MOU on shipping

CHITTAGONG, May 19: A memorandum of agreement has been signed today between Lloyd Triestino Trieste, the national shipping line of Italy and Bangladesh Shipping Corporation (BSC) to strengthen their co-operation and develop further business together, reports BBS.

BSC and Lloyd Triestino agreed to sign a common carrier agreement (CCA) for on carriage of BSC cargo container to and from Singapore and Australia and to and from Singapore and Mediterranean and any other destinations, where Lloyd Triestino vessels call.

Lloyd Triestino has also agreed to assist BSC to install the EDF system for the documentation and container control.

SAM Iqbal, Managing Director, BSC and Maurizio Salce, Commercial Director, Lloyd Triestino, signed the MOU on behalf of their respective organisations.



Slaheddine Khenissi, Resident Representative, IMF, Dhaka, Kenichiro Watanabe, Economist and Marco Cangiano of IMF, Washington called on Mohammad Mosharrar Hossain, President, BGMEA on Wednesday. They discussed various issues relating to Bangladesh's garment sector.

# Clinton brings economic campaign to atom bomb's birthplace

LOS ALAMOS, New Mexico, May 19: President Bill Clinton brought his campaign for US economic renewal to the birthplace of the atomic bomb on Monday and preached the need to convert Cold War technology into civilian use, reports Reuters.

Clinton stopped at Los Alamos National Laboratory to begin a two-day trip arranged to demonstrate his support for development of new technologies and help displaced defence workers get new training.

"For the first half century of Los Alamos' service, it was the leading edge of our nation's security," said Clinton, the first president to visit Los Alamos since John Kennedy 31 years ago.

"An as we go into the next half century, Los Alamos will be the leading edge of our prosperity."

# Advanced cheese method

BUDAPEST, May 19: A new Hungarian method of making cheese yields between eight and 20 per cent more cheese from the same amount of milk than the traditional may, inventor Bela Vizslai told the press here Tuesday, reports AFP.

Tests in Austria and Germany showed that the method increased the quantity of soft, semi-hard and hard cheeses without a quality deterioration, said Vizslai, a food industry expert with a background of ten years of research.

He commissioned Budapest Holding and Lincker Ltd. to sell and promote the patent at home and abroad, and the new technology, currently used in the northern Hungarian Satoral Jajthy Dairy Products Factory, is to make a foreign debut in Australia next month.

Foreign inquiries to date include Aralast of Sweden, which produces 75,000 tonnes of cheese a year, Valio of Finland, which has a yearly output of 85,000 tonnes, and M Foods of Denmark, which produces 250,000 tonnes of cheese yearly, as well as Spanish, Portuguese, Greek and Turkish firms, he said.

# Indian engns working to plug ruptured pipeline

BOMBAY, May 19: Indian engineers were working to plug a ruptured under water pipeline to stop oil from gushing into the Arabian Sea off the Bombay coast, officials said here Wednesday, reports AFP.

An Oil and Natural Gas Company (ONGC) spokesman said it would take four days to plug the ruptured pipeline to Bombay High, India's main offshore oil field, which burst on Monday causing a massive slick in the sea.

The spill 10 kilometres (six miles) long and four kilometres (2.4 miles) wide, posed no danger to the Bombay coast, the spokesman said, adding that the slick was 75 kilometres (45 miles) north off the western metropolises.

The coast guard said the spill has been broken into segments with chemical dispersants to prevent it from drifting towards Bombay or Tarapur, a town housing India's oldest nuclear power station.

# Shipping Intelligence

### CHITTAGONG PORT

Berth position and performance of vessels as on 19th May, 1993.

Berth No.	Name of vessels	Cargo	L.Port call	Local agent	Date of arrival	Leaving
J/2	Altair Lee	Cement	Sing	Bright	22/3	—
J/3	Norbuk Namir	Cement	Visa	BOAL	15/4	25/5
J/4	Komsosleeta					
J/7	Roseli	GI	Bella	Sunbeam	15/4	21/5
J/8	Griette	P.Equip	Reni	Prog	15/5	20/5
J/8	Samudra Raj	GI	Kara	SSL	11/5	23/5
J/10	Endurance Sea	Repair	Agaba	CLA	25/1	20/5
J/11	Arti	Idle	Ind	H & S/L	16/1	19/5
J/13	Optima	Cont	Sing	RSL	17/5	20/5
MPB/1	NGS Express	Cont	Sing	BDShip	16/5	19/5
MPB/2	Xin Ji	C.Clink	Lach	Khossons	15/4	21/5
CGJ	Navick (Ebb)	C.Clink	Sing	UNAL	25/4	22/5
GSJ	Banglar Sampad	Idle	—	BSC	R/A	20/5
RM/3	Continental Rose	CPO/CPL	P.Kala	TSL	17/5	20/5
RM/4	Mekanki Yuryev	CDSD	P.Luta	Seacom	18/5	22/5
RM/6	Oraha	Cement	Sing	USTC	06/5	30/5
DDJ	Banglar Shourabh	C.Oil	—	BSC	R/A	22/5
DDJ	Banglar Gourab	Repair	Mongh	BSC	14/5	22/5
DDJ/1	Barge: Labroy-90/ Tug success	GI	Sing	ILA	31/1	07/8
DDJ/2	Banglar Asha (Ebb)	Repair	—	BSC	R/A	20/5
CUFJ	Smit Lombok	P.Mat	Sing	Anchor	31/3	—

## VESSELS DUE AT OUTER ANCHORAGE

Name of vessels	Date of arrival	Last Port call	Local agent	Cargo	Loading port
Margaretha	19/5/93	—	Prog	P.Equip	—
Sa Progress	20/5/93	Pyda	AML	Cement	—
Fong Yun	19/5/93	Sing	BDShip	Cont	Sing Duke
Vishva Kumud	20/5/93	Mong	SSL	E/L	—
Banglar Shova	20/5/93	Sing	BSC	Cont	—
Alreza	21/5/93	Mong	Seacom	—	—
Agra	21/5/93	Sing	PSAL	Cement	—
Gold Asia	20/5/93	Bang	AML	—	Mem. Mapu
Kamaleveet	20/5/93	Sing	EBPL	GI	Ec.St
Elstariot G	20/5/93	Ant	ITL	Wheat	—
Eponyma	20/5/93	Sing	CTA	Cont	Sing
Jiang Cheng	20/5/93	S.Hai	BDShip	GI	C.Ports
Andrian Concharov	22/5/93	—	CT	Cont	Sing
Vishva Shakti	24/5/93	Bomb	SSL	GI	—
NGS RBL	22/5/93	Sing	BDShip	Cont	Sing
Dignity	22/5/93	Anna	TSL	R.Phos	—
SKOL	23/5/93	Kara	CT	GI	—
Banglar Robi	23/5/93	Sing	BSC	Cont	Sing
Coronado	23/5/93	Jedd	Ancient	Wheat	L.Sampa
Menq Kiat	25/5/93	Sing	AML	Cont	Oil
Smolny	25/5/93	Col	BBA	GI Harb & Polt	—
Nczbudka	25/5/93	—	USTC	Cement	—
Fong Shin	25/5/93	Sing	BDShip	Cont	Sing
Ronjay Choomie	26/5/93	—	USTC	Cement	—
Safina-E-Ismail-2	26/5/93	Kala	ASLL		