CIN : L51900MH1985PLC034965
GSTIN : 27AAACV9231B1ZK
REGD. OFFICE : GROUND FLOOR, AVIGHNA HEIGHTS, SURVEY NO. 45-4B, BEHIND SARVODAY PARK, NANDIVALI ROAD, DOMBIVLI EAST, THANE, MAHARTASHTRA - 421201

VISHVPRABHA VENTURES LIMITED

To,
BSE Limited
Phiroze Jeejeebhoy Towers,
Dalal Street, Mumbai-400 001.

Scrip Code: 512064
Symbol: VISVEN

Subject: Newspaper Publication of Financial Statement for quarter ended June 30, 2024

Enclosed herewith the Financial Statement published in Financial Express (English Edition) and Prathkaal (Marathi Edition) for the Quarter Ended June 30, 2024.

For Vishvprabha Ventures Limited

Rudrabahadur Bhaktbahadur Bhujel
Digitally signed by Rudrabahadur Bhaktbahadur Bhujel
Date: 2024.08.15 11:21:59 +05'30'

VISHVPRABHA VENTURES LIMITED THANE

Rudrabahadur Bhujel
Company Secretary and Compliance Officer
Place: Dombivili, Thane
Date: August 15, 2024

Amal Ltd

310 B, Veer Savarkar Marg, Dadar (West), Mumbai 400028, Maharashtra, India
sec@amal.co.in | (+91 22) 62559700 | www.amal.co.in
CIN: L24100MH1974PLC017594

NOTICE

NOTICE is hereby given that the 50th Annual General Meeting (AGM) of the members of the Company will be held on Thursday, September 05, 2024 at 03:30 pm through video conferencing / other audio visual means (VC), in accordance with applicable provisions of the Companies Act, 2013 and in compliance with the procedure prescribed in circular number 20 / 2020 dated May 05, 2020, read with circular number 09/2023 dated September 25, 2023, issued by the Ministry of Corporate Affairs and circular number SEBI/HO/ CFD/CMD1/CIR/P/2020/79 dated May 12, 2020, read with circular number SEBI/HO/CFD/CFD-PoD-2/P/CIR/2023/167 dated October 07, 2023, issued by the Securities and Exchange Board of India (the e-AGM circulars).

The Annual Report including Notice of the AGM which includes the process and manner of attending the Annual General Meeting through VC and e-voting and other documents were e-mailed on August 13, 2024 to all the Members whose e-mail addresses are registered with the Company / Depository Participants and can be downloaded from the following website links:

https://www.amal.co.in/pdf/Annual_report/Annual_Report_2023_24.pdf

The Company is pleased to provide to the Members the facility to exercise their right to vote prior to AGM and during AGM by electronic means and the business may be transacted through remote e-voting services provided by Central Depository Services (India) Ltd. Remote e-voting will commence on September 02, 2024 at 09:00 am and will end on September 04, 2024 at 05:00 pm. The Members holding shares on Friday, August 30, 2024 (cut-off date) will be entitled to exercise their voting rights through remote e-voting. The remote e-voting will not be allowed beyond its end time. The Members exercising to vote through remote e-voting can attend the AGM but will not be allowed to vote again during the AGM. Only the Members who have not cast their votes through remote e-voting may cast their votes during the AGM by attending the AGM through VC. Any person, who becomes a Member after the dispatch of notice and holding shares as on the cut-off date, may obtain the login details / sequence number by sending a request at sec@amal.co.in

In case of queries or issues regarding e-voting or attending the meeting through VC, please contact Mr Ankit Mankodi, Company Secretary, Amal Ltd on E-mail address: sec@amal.co.in.

For Amal Ltd
Sd/-
(Ankit Mankodi)
Company Secretary

August 14, 2024

MEDICO REMEDIES LIMITED

Regd. Office: 1105/1106, 11th Floor, Hubtown Solaris Opp. Telli Galli, N S Phadke Marg, Andheri East, Mumbai – 400069
CIN: L24230MH1994PLC077187, Tel : 022 - 68943803
Email: secretarialmrl@gmail.com, Website: www.medicoremedies.com

NOTICE TO SHAREHOLDERS

Notice is hereby given that the 30th Annual General Meeting ("AGM") of the Members of the Company will be held on Thursday, 5th September, 2024 at 4.00 p.m. through Video Conferencing ("VC") or Other Audio Visual Means ("OAVM"). The Company has sent the Notice of the AGM along with the Annual Report for the FY 2023-24 on 14th August, 2024 through electronic mode to the members who have registered their email addresses with M/s. Cameo Corporate Services Limited, Registrar and Transfer agent ("RTA") of the Company/Depository Participant(s) ("DP") in accordance with the Circulars issued by Ministry of Corporate Affairs dated April 8, 2020, April 13, 2020, May 5, 2020, January 13, 2021, 19/2021 dated December 08, 2021, No. 21/2021 dated December 14, 2021, 2/2022 dated May 05, 2022, 11/2022 dated December 28, 2022 and 09/2023 dated September 25, 2023 and Circulars issued by SEBI dated May 12, 2020, January 15, 2021, May 13, 2022, January 5, 2023 and October 7, 2023. The Notice of the AGM and Annual Report of the Company for the financial year 2023-24 is available on the Company's website at https://medicoremedies.com/annual.html and on the website of BSE at www.bseindia.com and NSE at www.nseindia.com

Further, Notice is hereby given pursuant to Section 91 of the Companies Act, 2013 ("Act") and Regulation 42 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 ("Listing Regulations"), the Register of Members and Share Transfer Book of the Company will remain closed from Friday, August 30, 2024 to Thursday, September 5, 2024 (both days inclusive), on account of the AGM.

Pursuant to Section 108 of the Act read with Rule 20 of the Companies (Management and Administration) Rules, 2014 and Regulation 44 of Listing Regulations, the Company is providing the e-voting facility to all its Members to cast their vote on all the resolutions set forth in the Notice of the AGM and the said Members may transact such business contained in the said Notice through voting by electronic means on e-voting platform provided by National Securities Depository Limited ("NSDL).

The details of remote e-voting are given below:

1) The e-voting period will commence on Monday, September 2, 2024 at 9:00 a.m. IST and ends on Wednesday, September 4, 2024 at 5:00 p.m. IST. Thereafter, the e-voting module will be disabled.
2) The voting rights of Members shall be in proportion to their share of paid-up capital of the Company as on the cut-off date i.e. Wednesday, August 28, 2024. Once a vote is cast by the member, he/she shall not be allowed to change it subsequently.
3) The Company is also offering the facility for e-voting during the AGM for the members attending the meeting, who have not cast their votes by remote e-voting. However, Members who have already cast their votes by remote e-voting prior to the AGM, may attend the AGM but shall not be entitled to vote.
4) A member can only opt for one mode of voting i.e. either through remote e-voting or e-voting during the AGM. If any member casts vote by more than one mode, then voting done through remote e-voting shall prevail.
5) Any person, who acquires shares of the Company and becomes a shareholder after the dispatch of the Notice of AGM and Annual report and holding shares as on cut-off date i.e. Wednesday, August 28, 2024 may obtain login ID & password for e-voting by sending a request at evoting@nsdl.com.

In case of any queries, you may refer the Frequently Asked Questions (FAQs) for Shareholders and e-voting user manual for Shareholders available at the download section of www.evoting.nsdl.com or call on toll free no.: 022 4886 7000 or send a request to Ms. Pallavi Mhatre, Manager, NSDL, 4th Floor, 'A Wing, Trade World, Kamala Mills Compound, Senapati Bapat Marg, Lower Parel, Mumbai 400013 at evoting@nsdl.com.

For Medico Remedies Limited
Sd/-
Haresh Mehta
Chairman & Whole-Time Director

Date: 14th August, 2024
Place: Mumbai

DAIKAFFIL CHEMICALS INDIA LIMITED

CIN: L24114MH1992PLC067309
Registered Off: Plot No.E-4, Tarapur, Boisar, Dist- Thane, Maharashtra, India-401506.
Corporate Off: 2nd Floor, A-Wing, Fortune Avirahi, Jain Derasar Road, Borivali-West, Mumbai-400092, Maharashtra, India.
Website: https://www.daikaffil.com ; Email: cs@daikaffil.com

NOTICE OF 32ND AGM AND REMOTE E-VOTING INFORMATION

NOTICE is hereby given that the 32nd Annual General Meeting (AGM) of Daikaffil Chemicals India Limited (the Company) will be held on Wednesday, September 04, 2024 at 04:00 p.m.(IST) through Video Conferencing (VC) or Other Audio-Visual Means (OAVM) to transact the businesses as set out in the Notice convening AGM.

The Annual Report for the financial year 2023-24 including Notice convening the Annual General Meeting has been sent on 13th August, 2024 through electronic mode to the members whose email addresses are registered with the Company/Depository Participants and the physical copy of the Annual Report is also being sent to those members who requested for the same. The Annual Report is also available on the website of the Company at www.daikaffil.com, website of the Stock Exchange i.e. BSE Limited at https://www.bseindia.com and on the website of M/s Link In-time India Private Limited at https://www.linkintime.co.in.

Pursuant to section 91 of the Companies Act, 2013 read with Rule 10 of The Companies (Management and Administration) Rules 2014, as amended from time to time, **the Register of Members and the Share Transfer Books of the Company shall remain closed from from August 29, 2024 to September 04, 2024(both days inclusive) for the purpose of holding the Annual General Meeting.**

Further, in compliance with the provisions of Section 108 of the Companies Act, 2013 read with Rule 20 of the Companies (Management and Administration) Rules, 2014, ("the Act") as amended and Regulation 44 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, the Members are provided with the facility to cast their votes on all resolutions as set forth in the Notice of the AGM using electronic voting system (e-voting) provided by Link In-time India Private Limited.

The remote e-voting period shall commence at 09.00 a.m. (IST) on 01st September, 2024 and ends at 05.00 p.m. (IST) on 03rd September, 2024. During this period, the Members may cast their vote electronically. The voting through remote e-voting shall not be allowed beyond 05.00 pm on 03rd September, 2024. Those Members, who shall be present in the AGM through VC/OAVM facility and had not cast their votes through remote e-voting, shall be eligible to vote through e-voting system at the AGM.

The Members who have cast their votes by remote e-voting prior to the AGM may also attend/participate in the AGM through VC/OAVM but shall not be entitled to cast their votes again.

Members of the Company holding shares as on the cut-off date i.e. **August 28, 2024** may cast their votes.

Any person who becomes a member of the Company after dispatch of the Notice of the AGM and holding shares as on the cut-off date may cast their votes by following the instructions and process of e-voting/ remote e-voting as provided in the Notice of the AGM.

Process for those Members whose email ids are not registered with the Depositories or the Company for obtaining login credentials for e-voting:

Members holding shares in Demat form may request login credentials by providing Demat account details(**CDSL**-16 digits beneficiary ID or **NSDL**-8 Character DPID followed by 8 Digits Client ID), Name of Member, client master or copy of Consolidated Account statement, self-attested scan copy of PAN Card and Aadhar Card by email to cs@daikaffil.com .

The company has appointed Mr. K.C. Suthar, Practicing Company Secretary (Membership no.: F5191) to act as the Scrutiniser for conducting voting process in a fair and transparent manner.

In case shareholders/ members have any queries regarding login/ e-voting, they may send an email to instameet@linkintime.co.in or contact on: - Tel: 022-49186175

Helpdesk for Individual Shareholders holding securities in Demat mode for any technical issues related to login through Depository i.e. CDSL and NSDL:

Helpdesk for queries/grievances related to e-voting:

Login Type	Helpdesk Details
Individual Shareholders holding securities in demat mode with NSDL	Members facing any technical issue in login can contact NSDL helpdesk by sending a request at evoting@nsdl.co.in or call at: 022 - 4886 7000 and 022 - 2499 7000
Individual Shareholders holding securities in demat mode with CDSL	Members facing any technical issue in login can contact CDSL helpdesk by sending a request at helpdesk.evoting@cdslindia.com or contact at toll free no. 1800 22 55 33
Shareholders holding securities in physical form/ Non-Individual Shareholders holding securities in demat mode	Shareholders facing any technical issue in login may contact Link In time INSTAVOTE helpdesk by sending a request at enotices@linkintime.co.in or contact on: - Tel: 022 – 4918 6000.

By order of the Board
For Daikaffil Chemicals India Limited
Sd/-
Raghuram K Shetty
Managing Director
DIN: 00038703

Date : 13/08/2024
Place : Mumbai

Bank of Maharashtra

बैंक ऑफ महाराष्ट्र
Bank of Maharashtra
A GOVT. OF INDIA UNDERTAKING
एक परिवार एक बैंक
आज़ादी का अमृत महोत्सव

WORLI BRANCH (50) Mumbai Zone : "Shiv Smruti", 49-A, Dr. A. B. Road, Worli, Mumbai-400 018.
•Tel. No. (022) 2494 0046; •Fax No. (022) 2493 0896 •E-mail : bom50@mahabank.co.in
•Head Office : Lokmangal, 1501, Shivajinagar, Pune-411 005, Maharashtra

AK3/MSZ/SARFAESI/13(4)/2024-25/2

POSSESSION NOTICE (For Immovable Property) (Rule 8 (i))

WHEREAS the **Authorized Officer** of **Bank of Maharashtra** under Securitization & Reconstruction of Financial Assets and Enforcement of Security Interest Act, 2002 & in exercise of powers conferred under Section 13 (4) and 13(12) of the said Act read with Rule 3 of the Security Interest (Enforcement) Rules, 2002 has issued a Demand Notice dated **03.05.2024** under Section 13(2) calling upon **M/s. Film Farm India Pvt. Ltd. (Borrower)**, **Mr. Kalyan Dullal Guha** and **Mrs. Rupali Kalyan Guha** to repay the amount mentioned in the notice being **₹ 9,33,77,182.25 (Rs. Nine Crore Thirty Three Lakh Seventy Seven Thousand One Hundred Eighty Two & Twenty Five Paise Only)** plus unapplied interest w. e. f. **28.04.2024** together with interest thereon at contractual rate(s) and incidental expenses, costs, charges incurred / to be incurred **within 60 days** from the date of receipt of the said notice.

The Borrower mentioned hereinabove having failed to repay the outstanding amount, Notice is hereby given to the Borrower and Guarantors mentioned hereinabove in particular and to the public in general that the **Authorised Officer** of **Bank of Maharashtra** has taken **Symbolic Possession** of the property described herein below in terms of the powers vested under the provisions of Section 13(4) of the said Act on this

The Borrower in particular, Guarantor and the **Public in General** is hereby cautioned not to deal with the properties and any dealings with the aforesaid properties will be subject to the charge of the **Bank of Maharashtra** for an amount mentioned above. The Borrowers attention is invited to the provisions of sub-section 8 of section 13 of the Act in respect of time available, to redeem the secured asset.

DESCRIPTION OF THE IMMOVABLE PROPERTY

All that premises at

a. Office Premises 532, 5th floor, H building, **Royal Palm,** Main Frame Premises CHS. Ltd., Goregaon [E] Mumbai-400 065. •**Area admeasuring** 537 Sq. Feet (Carpet Area)
b. Flat No. 103, First Floor, Wing D, CTS No. 22 Sethia Green View, Sethia Complex, Goregaon West, Mumbai-400 104. •**Area admeasuring** 457.36 Sq. feet (Carpet Area)
c. Flat No. 102, First Floor, Wing D, Sethia Green View, Sethia Complex, Goregaon West, Mumbai-400104 •**Area admeasuring** 381 Sq. Feet (Carpet Area)

Note : Earlier 13(4) notice issued on **05.08.2024** vide Ref No. AK3/MSZ/ SARFAESI/13(4)/2024-25 stands withdrawn.

Sd/-
Authorized Officer & Chief Manager
Bank of Maharashtra

Date : 13.08.2024
Place : Mumbai.

MEGH MAYUR INFRA LIMITED

(Formerly known as Poddar Infrastructure Limited, there before known as Transoceanic Properties Limited)
Regd. Office: MHB-11/A-302, Sarvodaya Co-Operative Housing Society Ltd, Near Bhavishya Nidhi Building, Service Road, Khernagar, Bandra (E), Mumbai – 400051
CIN:L51900MH1981PLC025693 Website: www.meghmayurinfra.com

EXTRACT OF UNAUDITED FINANCIAL RESULTS FOR THE FIRST QUARTER AND THREE MONTHS ENDED 30TH JUNE, 2024

Rs. In lacs

Sr. No.	Particulars	Unaudited Quarter Ended 30.06.2024	Audited Year ended on 31.03.2024	Unaudited Quarter ended on 30.06.2023
1	Total income from operations (net)	-	-	-
2	Net Profit / (Loss) for the period (before Tax, Exceptional and/or Extraordinary items)	-8.89	-15.39	-6.29
3	Net Profit / (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	-8.89	-15.39	-6.29
4	Net Profit / (Loss) for the period after tax (after Exceptional and/or Extraordinary items)	-8.89	-15.39	-6.29
5	Equity Share Capital	630	630	630
6	Reserves (excluding Revaluation Reserve as shown in the Balance Sheet of previous year)		-	
7	Earnings Per Share of Rs. 10 Each (before extraordinary items)			
	Basic :	-0.14	-0.24	-0.10
	Diluted:	-0.14	-0.24	-0.10
8	Earnings Per Share of Rs. 10 Each (after extraordinary items)			
	Basic :	-0.14	-0.24	-0.10
	Diluted:	-0.14	-0.24	-0.10

Note:
1. The aforementioned results have been reviewed and recommended by the Audit Committee and approved by the Board of Directors at its meeting held on 14th August,2024
2. The Company has adopted Indian Accounting standards (Ind AS) with effect from 1st April,2017 and accordingly the above results have been prepared in accordance with the Companies (Indian Accounting Standards) Rules,2015 prescribed under Section 133 of the Companies Act,2013. As per SEBI Circular No. CIR/CFD/FAC/62/2016 dated 5th July,2016 the Company has presented Ind AS complaint financial results for the corresponding quarter and three Months ended 30th June,2024
3. The Auditors of the Company have carried out Limited Review of un-audited financial results for the quarter ended 30th June, 2024 as required under SEBI (Listing Obligations and Disclosure Requirements) Regulations,2015.
4. The above is an extract of the detailed format of Quarterly Unaudited Financial Results filed with the Stock Exchanges under Regulation 33 of the SEBI (Listing Obligation and Disclosure Requirment) Regulations, 2015. The full format of the Quarterly Unaudited Financial Results are available on the websites of the Stock Exchange(s) and the listed entity. (URL of the filings i.e. www.bseindia.com & www.meghmayurinfra.com)
5. As the Company has only one business segment, disclosure under Indian Accounting Standard 108 on "Operating Segment " issued by the Institute of Chartered Accountants of India is not applicable.

For MEGH MAYUR INFRA LIMITED
Sd/-
Rajendra Shah
Managing Director
Din:01765634

Date: 14.08.2024
Place: Surat

VISHVPRABHA VENTURES LIMITED

(Formerly known as Vishvprabha Trading Limited)
CIN No. : L51900MH1965PLC034965
Ground Floor Avighna Heights Survey No 45-4B Behind Sarvoday Park, Nandivali Road, Dombivili East, Thane, Dombivili, Maharashtra, India, 421201
Website: www.vishvprabhaventures.com E Mail: cosec@vishvprabhatrading.com
Mobile : 8850814600.

Extract of Statement of Unaudited Standalone Financial Results for the Quarter Ended 30th June, 2024.

(₹ in in Lakhs)

	Particulars	Standalone			
		Quarter ended			Year ended
		30.06.2024 (Unaudited)	31.03.2024 (Audited)	30.06.2023 (Unaudited)	31.03.2024 (Audited)
1	Total Income from Operations (net)	152.50	24.55	83.75	546.63
2	Net Profit / (Loss) for the period (before Tax, Exceptional and/or Extraordinary items)	12.53	(36.01)	7.24	18.27
3	Net Profit / (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	12.53	(36.01)	7.24	18.27
4	Net Profit / (Loss) for the period after tax (after Exceptional and/or Extraordinary items)	9.79	(44.78)	7.24	4.14
5	Total Comprehensive Income for the period [Comprising Profit / (Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	9.79	(44.78)	7.24	4.14
6	Equity Share Capital (Face Value Rs. 10/- per share)	171.50	171.50	171.50	171.50
7	Other equity (excluding Revaluation Reserve)	-	248.46	-	248.46
8	Earnings Per Share (of Rs. 10/- each) (for continuing and discontinued operations) (not annualised)				
	a. Basic:	0.57	(0.15)	0.42	0.24
	b. Diluted:	0.57	(0.15)	0.42	0.24

Notes:
The above is an extract of the detailed format of Quarterly Financial Results filed with the Stock Exchanges under Regulation 33 of the SEBI (Listing and Other Disclosure Requirements) Regulations, 2015. The full format of the quarterly results is available on the Company's website at www.vishvprabhaventures.com and the Stock Exchange websites at www.bseindia.com.

Extract of Statement of Unaudited Consolidated Financial Results for the Quarter Ended 30th June, 2024.

(₹ in in Lakhs)

	Particulars	Consolidated			
		Quarter ended			Year ended
		30.06.2024 (Unaudited)	31.03.2024 (Audited)	30.06.2023 (Unaudited)	31.03.2024 (Audited)
1	Total Income from Operations (net)	199.75	73.00	83.75	595.13
2	Net Profit / (Loss) for the period (before Tax, Exceptional and/or Extraordinary items)	(6.29)	(5.42)	6.53	(13.07)
3	Net Profit / (Loss) for the period before tax (after Exceptional and/or Extraordinary items)	(6.29)	(5.42)	6.53	(13.07)
4	Net Profit / (Loss) for the period after tax (after Exceptional and/or Extraordinary items)	(9.03)	(19.55)	6.53	(27.20)
5	Total Comprehensive Income for the period [Comprising Profit / (Loss) for the period (after tax) and Other Comprehensive Income (after tax)]	(9.03)	(19.55)	6.53	(27.20)
6	Equity Share Capital (Face Value Rs. 10/- per share)	171.50	171.50	171.50	171.50
7	Other equity (excluding Revaluation Reserve)				214.18
8	Earnings Per Share (of Rs. 10/- each) (for continuing and discontinued operations) (not annualised)				
	a. Basic:	(0.53)	(1.14)	0.38	(1.59)
	b. Diluted:	(0.53)	(1.14)	0.38	(1.59)

Notes:
The above is an extract of the detailed format of Quarterly Financial Results filed with the Stock Exchanges under Regulation 33 of the SEBI (Listing and Other Disclosure Requirements) Regulations, 2015. The full format of the quarterly results is available on the Company's website at www.vishvprabhaventures.com and the Stock Exchange websites at www.bseindia.com.

For Vishvprabha Venture Limited
(Formerly known as Vishvprabha Trading Limited)
SD/-
Mitesh Thakkar
Managing Director
DIN : 06480213

Place : Dombivali, Thane
Date : 14th August, 2024

DUKE OFFSHORE LIMITED

CIN::45209MH1985P6C38300
403, URVASHI, OFF SAYANI ROAD, PRABHADEVI, MUMBAI - 400 025.

UNAUDITED FINANCIAL RESULTS FOR THE QUARTER ENDED 30TH JUNE, 2024

(Rs. In Lac Except EPS)

Particulars	Quarter Ended			Year to Year	
	UNAUDITED	UNAUDITED	AUDITED	UNAUDITED	AUDITED
	30th June 2024	30th June 2023	31st March 2024	30th June 2024	31st March 2024
Total Income from Operation (NET)	74.93	136.76	131.60	74.93	414.26
Net Profit/(Loss) from Ordinary activities after tax	-23.97	33.16	53.66	-23.97	36.64
Net Profit /(Loss) for the period after Tax (After Extra Ordinary Items)	33.16	33.16	53.66	33.16	124.11
Equity share capital	985.72	985.72	985.72	985.72	985.72
Earning per Share (Face Value Rs.10/- each)					
Basic	-0.24	0.34	0.54	-0.24	1.26
Diluted	-0.24	0.34	0.54	-0.24	1.26

NOTES:
1) The result for the Quater ended 30th June 2024 were reviewed and recommended by the Audit Committee and approved by the Board of Directors in its meeting held on August 14, 2024. The above results for the quarter ended June 30, 2024 have been reviewed by Statutory Auditor of company in terms of Regulation 33 of the SEBI (Listing Obligation and Disclosuer Requirements) Regulations, 2015.
2) This statement has been prepared in accordance with the Companies (Indian Accounting Standards) Rules, 2015 (Ind AS) prescribed under section 133 under Companies Act, 2013 and and other recognied accounting practises and policies to the extent applicable.
3) The format for audited/unaudited financial results as prescribed in SEBI's circular CIR/CFD/CMD/15/2015 dated November 20, 2015 has been modified to comply with requirements of SEBI's circular dated July 05, 2016 Ind AS and schedule III (Division II) to the Companies Act, 2013 applicable to the companies that are required to comply with Ind AS.
4) Disclosure of segment wise information is not applicable as the company operates only in one segment and company main object is offshore business.
5) Figures for corresponding previous periods have been regrouped/ restated wherever necessary.
6) During the quarter ended on 30.06.2024 the company has not received any complaint from investors.

For For Duke Offshore Limited
SD/-
Sd/-
AVIK GEORGE DUKE
Managing Director
DIN.:02613056

PLACE: MUMBAI
DATE: 15.08.2024

SHREE SECURITIES LIMITED

CIN : L65929WB1994PLC061930
Regd. Office : Office No. 427, Rangoli Forum Mall, 212, Girish Ghosh Road, Belur, Howrah-711202, West Bengal, India
Telephone : 033 2231 3366, E-mail : info@shreesecindia.com,
Wetsite : www.shreesecindia.com

STATEMENT OF UNAUDITED STANDALONE FINANCIAL RESULTS FOR THE QUARTER ENDED JUNE 30, 2024.

(Rs. in Lakhs)

PARTICULARS	Quarter ended June 30, 2024 (Unaudited)	Quarter ended March 31, 2024 (Audited)	Quarter ended June 30, 2023 (Unaudited)	Year ended March 31, 2024 (Audited)
Total income from operations (net)	15.505	6.891	12.678	70.686
Net Profit /(Loss) from ordinary activities after tax	6.324	-1406.216	3.873	-1354.641
Net Profit / (Loss) for the period after tax (after Extraordinary items)	6.324	-5988.216	3.873	-5936.641
Equity Share Capital	7980.000	7980.000	7980.000	7980.000
Reserves (excluding Revaluation Reserve as shown in the Balance Sheet of Previous year)	0.000	0.000	0.000	(7,109.46)
Earnings Per Share (before extraordinary items) (of Rs. 10/- each)				
Basic :	0.001	-0.750	0.005	-0.744
Diluted :	0.001	-0.750	0.005	-0.744
Earnings Per Share (after extraordinary items) (of Rs. 10/- each)				
Basic :	0.001	-0.750	0.005	-0.744
Diluted :	0.001	-0.750	0.005	-0.744

NOTE :
The above is an extract of the detailed format of Financial Results for the Quarter ended 30.06.2024 filed with the Stock Exchange under Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015. The full format of the Financial Results for the Quarter ended 30.06.2024 is available on the Stock Exchange websites.
Company's website : http://shreesecindia.com/invr.html
BSE Limited : www.bseindia.com

NOTES :
1) The said financial results were reviewed by the Audit Committee and were thereafter approved by the Board of Directors of the Company at their respective meetings held on 14th August, 2024.
2) In accordance with the requirements under Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, the Statutory Auditors have performed a limited review of the financial results of Shree Securities Limited for the quarter ended 30th June, 2024. There are no qualifications in the limited review report issued for the said period.

For and on behalf of the Board of
Shree Securities Limited
SD/-
Bhavya Dhiman
(Managing Director)
DIN :: 09542964

Place : Kolkata
Date : 14.08.2024

SALE/E-AUCTION NOTICE

MAHABALI INNOVATIVE TECHNOLOGIES PRIVATE LIMITED (IN LIQUIDATION)
CIN: U33005MH1996PTC099218
Liquidator's Address: House No. 3656/6, Gali No.6, Narang Colony, Tri Nagar, Near Rose Garden, New Delhi-110035
Email: iprakesh.jindal@gmail.com,Process Email: mitplliquidation@gmail.com

Sale of Immovable Asset of Mahabali Innovative Technologies Private Limited (In Liquidation) forming part of Liquidation Estate formed by the Liquidator, appointed by the Hon'ble National Company Law Tribunal, Mumbai Bench Court -IV, vide order dated 8th August, 2023. The sale will be done by the undersigned through the E-Auction platform i.e. M/s Linkstar Infosys Private Limited having website https://www.eauctions.co.in/
The bidding shall take place through online e-auction.

Date and Time of E-Auction	8th September, 2024 at 03:00 PM to 5:00 PM (with unlimited extension of 5 minutes each)
Last date for Submission of Eligibility Documents	29th August,2024
Declaration of Qualified Bidder by Liquidator	31st August,2024
Inspection Date & Time	From 31st August,2024 till 7th September, 2024 during 12 AM to 5PM/- (with prior notice to the Liquidator)
Last Date for submission of EMD and Bid Application Form	7th September, 2024 till 03.00PM

Particulars of Asset	Reserve Price * (INR)	Earnest Money Deposit (INR)	Incremental Bid Amount (INR)
Office Building admeasuring 6376 Sq Ft (Built up Area), situated at Unit no. 101, "Mastermind-II B-Wing", Aarey Colony, Royal Palms, Mayur Nagar, Goregaon (East)- 400065, Mumbai.	Rs. 2,51,91,000/- (Two Crore Fifty-One Lakh and Ninety-One Thousand)	Rs. 25,19,100/- (Twenty-Five Lakh Nineteen Thousand and One Hundred)	Rs. 50,000/- (Fifty Thousand)

*Excluding taxes, levies, charges, duties, transfer fees, stamp duty, registration fees, premiums etc. No representations as to warranties and indemnities shall be made.

IMPORTANT:
1. E-Auction will be conducted on "AS IS WHERE IS", 'AS IS WHAT IS" and "WHATEVER THERE IS BASIS" and NO RECOURSE BASIS through approved service provider M/s Linkstar Infosys Private Limited.
2. The Complete E-Auction process document containing details of the Assets, online e-auction Bid Form, Declaration and Undertaking Form, General Terms and Conditions of online auction sale are available on website www.eauctions.co.in
3. The intending bidders, prior to submitting their bid, should make their independent inquiries regarding the title of property, lease rent, maintenance charges, if any, dues of local taxes, etc. and shall bear lease transfer charges, if any on sale of Industrial Plot and inspect the property at their own expenses and satisfy themselves. The details of Asset mentioned above can be inspected by the prospective bidders at the site by contacting the liquidator and his team.
4. The intending bidders are required to deposit Earnest Money Deposit (EMD) amount either through NEFT/RTGS in the Account namely **"MAHABALI INNOVATIVE TECHNOLOGIES PRIVATE LIMITED IN LIQUIDATION"**, Kotak Mahindra Bank Limited at 8th Floor, Noida 125 Plot No.7 Sector125, NOIDA-201313, Uttar Pradesh, India, Account No.: 5749017890, IFSC Code: KKBK0000206.
5. In case, a bid is placed in the last 5 minutes of the closing time of the e-auction, the closing time will automatically get extended for 5 minutes with unlimited extension. The bidder who submits the highest bid amount on closure of e-Auction process shall be declared as the Successful Bidder and a communication to that effect will be issued through electronic mode.
6. As per proviso to clause (f) of section 35 of the Code, the interested bidder shall not be eligible to submit a bid if it fails to meet the eligibility criteria as set out in section 29A of the Code (as amended from time to time).
7. The EMD of the Successful Bidder shall be retained towards part sale consideration and the EMD of unsuccessful bidders shall be refunded without any interest, bank charges and any other charges. The EMD shall not bear any interest.
8. The Successful Bidder shall bear the applicable stamp duties/lease transfer charge, fees etc. and all the local taxes, duties, rates, assessment charges, fees etc. in respect of the property put on auction.
9. The successful bidder will make arrangements and will take appointment from the sub registrar concerned for the purpose of registration of the sale.
10. In case any intending bidder does not participate in E- Auction after deposit of EMD, the EMD may be forfeited at the sole discretion of Liquidator and the SCC.
11. The sale shall be subject to provisions of Insolvency and Bankruptcy Code, 2016 and Liquidation regulations made thereunder.
12. It is clarified that after submission of E-Auction process document available on website www.eauctions.co.in by the intending bidders the intending bidders will become eligible to access the data pertaining to property put to auction and site visit.
13. The payment for balance sale consideration shall be made within 7 days from the date of E- Auction through NEFT/RTGS in the Account namely **"MAHABALI INNOVATIVE TECHNOLOGIES PRIVATE LIMITED IN LIQUIDATION"**, Kotak Mahindra Bank Limited at 8th Floor, Noida 125 Plot No.7 Sector125, NOIDA-201313, Uttar Pradesh, India, Account No.: 5749017890, IFSC Code: KKBK0000206. It may further be noted that non-payment of balance amount within the stipulated time may lead to forfeiture of EMD and cancellation of sale.

Date: 15th August,2024
Place: Mumbai

Sd/-
Rakesh Kumar Jindal
Liquidator
M/s Mahabali Innovative Technologies Private Limited
IP Registration No. IBBI / IPA-002 / IP-N01148/2021-2022/13963
Email Id-mitplliquidation@gmail.com/iprakesh.jindal@gmail.com

THIRANI PROJECTS LIMITED

CIN : L45209WB1983PLC036538
Regd. Office : Subol Dutt Building, 13, Brabourne Road, Kolkata-700 001
Telephone : 033 2242 1536, E-mail : info@thiraniprojects.com,
Wetsite : www.thiraniprojects.com

STATEMENT OF UNAUDITED STANDALONE FINANCIAL RESULTS FOR THE QUARTER ENDED JUNE 30, 2024

(Rs. in Lakhs)

PARTICULARS	Quarter ended June 30, 2024 (Unaudited)	Quarter ended March 31, 2024 (Audited)	Quarter ended June 30, 2023 (Unaudited)	Year ended March 31, 2024 (Audited)
Total income from operations (net)	19.999	20.110	20.578	83.170
Net Profit / (Loss) from ordinary activities after tax	4.501	-664.310	2.546	-637.760
Net Profit / (Loss) for the period after tax (after Extraordinary items)	4.501	-664.310	2.546	-637.760
Equity Share Capital	2021.288	2021.288	2021.288	2021.288
Reserves (excluding Revaluation Reserve as shown in the Balance Sheet of Previous year)	0.000	0.000	0.000	-849.522
Earnings Per Share (before extra ordinary items) (of Rs. 10/- each)				
Basic :	0.022	-3.287	0.013	-3.155
Diluted :	0.022	-3.287	0.013	-3.155
Earnings Per Share (after extra ordinary items) (of Rs. 10/- each)				
Basic :	0.022	-3.287	0.013	-3.155
Diluted :	0.022	-3.287	0.013	-3.155

NOTE :
The above is an extract of the detailed format of Financial Results for the Quarter ended 30.06.2024 filed with the Stock Exchange under Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015. The full format of the Financial Results for the Quarter ended 30.06.2024 is available on the Stock Exchange websites.
Company's website : http://www.thiraniprojects.com/financial-result.php
BSE Limited : www.bseindia.com

NOTES :
1) The said financial results were reviewed by the Audit Committee and were thereafter approved by the Board of Directors of the Company at their respective meetings held on 14th August 2024.
2) In accordance with the requirements under Regulation 33 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, the Statutory Auditors have performed a limited review of the financial results of Thirani Projects Limited for the quarter ended 30th June 2024. There are no qualifications in the limited review report issued for the said period.

For and on behalf of the Board of
THIRANI PROJECTS LIMITED
SD/-
Utpal Dey
Managing Director
DIN : 06931935

Place : Kolkata
Date : 14.08.2024

EXPRESS Careers

The Maharashtra State Co-operative Marketing Federation Limited

Kanmoor House, Narsi Natha St. Masjid, Mumbai - 9.
Tel. No. (022) 23752295. **Website:** www.mahamarkfed.org

EMPANELMENT OF ADVOCATES

Applications are invited in the prescribed format via e-mail at **lawofficer@mahamarkfed.org** or by sealed envelope to the Managing Director from eligible candidates for empanelment as an Advocate for the Panel of the Federation within 30 Days from the date of publication of this advertisement along with the complete certified documents. Terms and Conditions are available on the above website.

Sd/-
Managing Director

Padmashri Annasaheb Jadhav Bharatiya Samaj Unnati Mandal's B.N.N. College (Arts, Science and Commerce)

Bhiwandi , Dist. Thane – 421 305

APPLICATIONS ARE INVITED FOR THE FOLLOWING CLOCK HOUR BASIS POSTS FOR THE ACADEMIC YEAR 2024-2025.

AIDED

Sr. No.	Cadre	Subject	Total No.of CHB Post	Category
1.	Assistant Professor	English	4	4 - Open
2.	Assistant Professor	Marathi	1	1 - Open
3.	Assistant Professor	Political Science	2	2 - Open
4.	Assistant Professor	Philosophy	4	4 - Open
5.	Assistant Professor	Chemistry	2	2 - Open
6.	Assistant Professor	Botany	2	2 - Open
7.	Assistant Professor	Zoology	4	4 - Open
8.	Assistant Professor	Commerce/Accountancy	6	6 - Open
9.	Assistant Professor	Mathematics	4	4 - Open

The above posts are open to all, however candidates from any category can apply for the post. Reservation for women will be as per University Circular No.BCC/16/74/1998 dated 10th March, 1998. 4% reservation shall be for the persons with disability as per University Circular No. Special Cell/ICC/2019-20/05 dated 05th July, 2019.

Candidates having knowledge of Marathi will be preferred.

"Qualification, Pay Scales and other requirement are as prescribed by the UGC Notification dated 18th July, 2018, Government of Maharashtra Resolution No. Misc-2018/C.R.56/18/UN1-1, dated 8th March, 2019 and University circular No. TAAS/(CT)/ICD/2018-19/1241, dated 26th March, 2019, Higher & Technical Department Government Resolution No. अर्थसं-२०२२/प्र.क्र. १०५/(१)/मशि-३, दिनांक २७ मार्च, २०२३, University circular No. सीटीयु/०१/२०२४-२०२५, दिनांक २४/०४/२०२४, and Higher & Technical Department Government Resolution No. संकीर्ण-२०२१/प्र.क्र. १८१/२१/विशि-१, दिनांक १७ ऑक्टोबर, २०२२, University circular No. सीटीयु/०३/२०२४-२०२५, दिनांक २६/०४/२०२४ for filling the post on clock hour basis, revised from time to time" The Government Resolutions & Circulars are available on the website **mu.ac.in**

Application with full details should reach the **SECRETARY, Padrnashri Annasaheb Jadhav Bharatiya Samaj Unnati Mandal, Dhamankar Naka, Varhaldevi Road, Bhiwandi, Dist-Thane 421305** within 15 days from the date of publication of this advertisement. This is University approved advertisement.

Sign/-
SECRETARY
Padmashri Annasaheb Jadhav Bharatiya Samaj Unnati Mandal, Bhiwandi

K.T.S.P. Mandal's

K.M.C. COLLEGE OF ARTS, SCIENCE & COMMERCE
Near Old Mumbai Pune Highway, Khopoli, Tal. - Khalapur, Dist. - Raigad 410203.

APPLICATIONS ARE INVITED FOR THE FOLLOWING CLOCK HOUR BASIS POSTS FOR THE ACADEMIC YEAR 2024-2025.

AIDED

Sr. No.	Cadre	Subject	Total No. of CHB Posts	Category
1.	Assistant Professor	Geography	04	04 -OPEN
2.	Assistant Professor	Psychology	03	03 -OPEN
3.	Assistant Professor	Commerce/ Business Law	02	02 -OPEN
4.	Assistant Professor	English	02	02 -OPEN
5.	Assistant Professor	Economics/ Business Economics	03	03 -OPEN
6.	Assistant Professor	Hindi	01	01 -OPEN
7.	Assistant Professor	Mathematics / Statistics	02	02 -OPEN
8.	Assistant Professor	Botany	03	03 -OPEN
9.	Assistant Professor	Physics	02	02 -OPEN
10.	Assistant Professor	Marathi	02	02 -OPEN
11.	Assistant Professor	Political Science	02	02 -OPEN
12.	Assistant Professor	Chemistry	01	01 -OPEN

The above posts are open to all however candidates from any category can apply for the post. Reservation for women will be as per University Circular No. BCC/16/74/1998 dated 10th March, 1998. 4% reservation shall be for the persons with disability as per University Circular No. Special Cell/ICC/2019-20/05 dated 05th July, 2019.

Candidates having knowledge of Marathi will be preferred.
"Qualification, Pay Scales and other requirement are as prescribed by the UGC Notification dated 18th July, 2018, Government of Maharashtra Resolution No. Misc-2018/C.R.56/18/UNI- 1, dated 8th March, 2019 and University circular No. TAAS/(CT)/ICD/2018-19/1241, dated 26th March, 2019, Higher & Technical Department Government Resolution No. अर्थसं-२०२२/प्र.क्र. १०५/(१)/मशि-३, दिनांक २७ मार्च, २०२३, University Circular No. सीटीयु/०१/२०२४-२०२५, दिनांक २४/०४/२०२४, and Higher & Technical Department Government Resolution No. संकिर्ण-२०२१/प्र.क्र. १८१/२१/विशि-१, दिनांक १७ ऑक्टोबर, २०२२, University Circular No. सीटीयु/०३/२०२४-२०२५, दिनांक २६/०४/२०२४ for filling the post on
clock hour basis. revised from time to time" The Government Resolution & Circular are available on the website mu.ac.in

Application with full details should reach the PRINCIPAL, K.T.S.P. Mandal's, K.M.C. COLLEGE OF ARTS, SCIENCE & COMMERCE, Near Old Mumbai Pune Highway, Khopoli, Tal.Khalapur, Dist. - Raigad 410203. Within 15 days from the date of publication of this advertisement.
This is University approved advertisement.

Sd/-
PRINCIPAL

प्लॅस्टिकची दुसरी बाजू

सायन्स टुडे

वीस मायक्रॉन जाडीच्या प्लॅस्टिक कॅरीबॅगचा भन्नाट वापर हा ग्राहकांच्या चंगळवादी वृत्तीचा इरसाल नमुना म्हणता येईल. प्रदीर्घ काळ वातावरणात साचून राहिल्याने प्लॅस्टिकच्या या पातळ पिशव्या काय हाहाकार माजवतात, हे आता सर्वश्रुत झाले आहे. त्यामुळे खरेदीसाठी आणि बाजारहाटासाठी प्लास्टिकऐवजी कागदाच्या किंवा कापडाच्या पिशव्या वापरण्यावर भर दिला जात आहे. तसंच जाडसर प्लॅस्टिकच्या पिशव्या पुन्हा पुन्हा वापरून त्यांचं उपयुक्तता मूल्य संपलं की, त्या बारीक कापून कचरापेटीत फेकून द्याव्यात, असा रास्त सल्ला दिला जातो. प्लॅस्टिकचा कचरा सहज वेगळा करून त्याची कारखान्यात पुनर्निर्मिती करता यावी म्हणून बऱ्याच ठिकाणी वेगळ्या कचरापेटी ठेवण्यात येतात; त्याचाही योग्य वापर व्हायला हवा. हा प्लॅस्टिकचा कचरा स्वच्छ व एकजिनसी असला तर त्याची यांत्रिक पद्धतीने पावडर करून, त्यापासून नवीन पदार्थ तयार करता येतात.

प्लॅस्टिकची निर्मिती पेट्रोलियम पदार्थांपासून झालेली असल्यामुळे त्यात मोठ्या प्रमाणात ऊर्जा दडलेली असते. ही ऊर्जा वाया जाता कामा नये. पेट्रोलियम पदार्थांचं मानवी जीवनात असलेलं अनन्यसाधारण महत्त्व कुणी अमान्य करणार नाही. खनिज तेलापासून मिळणारी इंधनं, वंगणं व अन्य उपयुक्त पदार्थांपैकी ३५ टक्के पेट्रोलियम पदार्थांचा वापर औद्योगिक क्षेत्रात उष्णता ऊर्जा निर्माण करण्यासाठी, २९ टक्के वापर विविध प्रकारची अन्य ऊर्जा निर्मितीसाठी, तर ७ टक्के वापर हा नाना जीवनोपयोगी वस्तू तयार करण्यासाठी होतो. त्या ७ टक्क्यांमध्ये प्लॅस्टिकचा वाटा ४ टक्के असतो.

प्लॅस्टिकच्या नानारंगी नि नानारूपी वस्तूंनी, आज मानवी जीवन पार व्यापून टाकलं आहे. मुलांच्या खेळण्यापासून ते बाजारहाटीसाठी लागणाऱ्या पिशव्यांपर्यंत, तसंच पॅकिंगसाठी ते जलरोधक छप्परांपर्यंत प्लॅस्टिकच्या वस्तूंनी माणसाला चक्रव्यूहात पकडून ठेवलंय. प्लास्टिकविना आधुनिक माणसाचं जीवन ही कल्पनाच जणू अशक्य कोटीतली वाटते. वजनाला हलकंफुलकं, मजबूत, आकर्षक रंग, जलरोधक वगैरे गुणधर्मांमुळे गेल्या सहा दशकांत या प्लास्टिकने काच, धातू, कागद इत्यादी पदार्थांच्या वापराला पर्याय निर्माण केला आहे. त्यामुळेच तर आज जगभर प्लॅस्टिकची निर्मिती १२ कोटी टनांवर जाऊन पोहोचली आहे.

सेल्युलोज नायट्रेट हे पहिलं प्लॅस्टिक तयार करण्याचा मान इंग्लिश रसायनतज्ज्ञ अलेक्झांडर पार्क्स यांच्याकडे जातो. त्यांनी हा शोध १८०५मध्ये लावला होता. त्यानंतर बॅकेलाइट (१९१२), पॉलिस्टिरीन (१९३०), पॉलिव्हायनील क्लोराईड (१९४०) असे त्याचे नवनवे प्रकार शोधले गेले. प्लॅस्टिकमध्ये प्रामुख्याने एथिलीन या मूळ पदार्थाचा समावेश असतो. एथिबिलला ३४० दाबाखाली उष्णता दिली असता त्याचे ३०,०००पेक्षा जास्त रेणू एकत्रित होऊन शृंखलारूपी बहुमुलक (फॅलिमर) तयार होतं. त्याच फॅलिएथिलीनपासून पाण्याचे पाइप, खेळणी, दुधाच्या बाटल्या, पाण्याच्या बाटल्या, द्रवरूप साबणाच्या बाटल्या इत्यादी तयार करतात; तर कमी घनतेच्या फॅलिएथिलीनचा वापर पावाची आवरणं, साठवून ठेवल्या जाणाऱ्या अन्नपदार्थांची आवरणं, कॅरीबॅगा इत्यादीच्या निर्मितीसाठी करतात. पोलिप्रोपिलीन या प्लॅस्टिकचा वापर केचअप, दहीसारख्या खाद्यपदार्थांची पॅकिंग तयार करण्यासाठी होतो. एथीलिन व बेंझीन या रसायनांपासून तयार केल्या जाणाऱ्या फॅलिस्टीरीन या प्लॅस्टिकचा वापर सुरक्षित खेळणी कॅसेट्स, जॅकेट्स, ट्रे इत्यादी उपयोगी वस्तू निर्माण करण्यासाठी होतो. एथिलीन आणि क्लोरीनच्या संयोगाने फॅलिव्हायनिल क्लोराईड (पी.व्ही.सी.) हे प्लॅस्टिक तयार केलं जातं व त्याचा वापर रेनकोट, ताडपत्र्या, पाइप, शॅम्पूच्या बाटल्या इत्यादी वस्तू बनवण्यासाठी होतो. विद्युत उपकरणं म्हणजेच दूरध्वनी, दूरदर्शन संच, ट्रांझिस्टर्स, मिक्सर्स यांच्यासाठी तर सर्रासपणे प्लास्टिकचे भाग वापरतात. त्यांचे बाह्यभाग हे फिनॉलफॉर्मल्डिहाईड आणि युरिया फॉर्माल्डिहाइड या प्लॅस्टिकपासून तयार केले जातात. एखाद्या भागाचा आकार जरासुद्धा बदललेला चालत नाही, ते पदार्थ पॉली कार्बोनेटपासून तयार केले जातात, तर जास्त तापमानाला तोंड देऊ शकणाऱ्या विद्युतरोधक भागाच्या निर्मितीसाठी पॉलिसल्फोन नावाचं प्लास्टिक शोधून काढण्यात आलं आहे. किंबहुना फर्निचरमध्ये जे फेव्हिकॉल वापरतात ते पॉलिव्हायनील ॲसिटेट नावाच्या द्रवरूप प्लास्टिकचंच बनलेलं असतं. अशाप्रकारे जगण्याची चिंतामणीसारखा प्लास्टिक हा पदार्थ वाहतूक, बांधकाम, शेती व्यवसाय, कापड उद्योग, छपाई, मासेमारी, वैद्यकीय क्षेत्र, क्रीडा क्षेत्र इत्यादी सर्वच क्षेत्रांना व्यापून उरलाय.

रसायनतज्ज्ञ तर प्लॅस्टिक अभियांत्रिकी वापरून विविध वैशिष्ट्यपूर्ण कामांसाठी प्लॅस्टिकचे नवनवे आविष्कार शोधून काढत आहेत. सिण्डियोएक्टिक पॉलिस्ट्रीनपासून तयार केलेले 'क्वेस्ट्रा' हे प्लॅस्टिक नायलॉनला पर्याय आहे. 'करीलोन' हे प्लॅस्टिक कार्बनमोनोक्साईड, एथिलीन व प्रोपिलीनपासून तयार करता येतं व ते खूप मजबूत व रसायनरोधक असतं. एथिलीन व डायसायक्लोपेण्टाडिनच्या संयोगातून 'टोपाझ' हे प्लास्टिक तयार केलं असून ते वैद्यकीय क्षेत्रातील उपकरणं तयार करण्यास उपयोगी पडतं.

प्लॅस्टिकचं सहजगत्या जैविक विघटन होत नसल्यामुळे त्याला पर्यावरणशत्रू मानणं चुकीचं आहे. प्लॅस्टिकच्या कचऱ्याची नीटपणे विल्हेवाट लावण्याच्या विविध क्लृप्त्या शास्त्रज्ञ-तंत्रज्ञ शोधून काढत आहेत. पेट्रोरसायनांच्या शृंखलांनी बनलेल्या प्लॅस्टिकचा कचरा उच्च तापमानाला तापवला असता त्यातील शृंखला तुटतात आणि मूळ रसायनांचं मिश्रण तयार होऊन त्यापासून अन्य उपयुक्त रसायनांची निर्मिती केली जाऊ शकते.

त्याच वेळी संशोधक जैविक विघटन होणाऱ्या प्लास्टिकचं, शेतीतून उत्पादन करण्याच्या प्रयत्नात आहेत. काही विशिष्ट जीवाणू आपल्या शरीरात प्लास्टिकचे रेणू संश्लेषित करून ते छोट्या गोळ्यांच्या रूपाने साठवून ठेवतात. त्यांना त्यांच्या शरीरपेशीत अन्नघटकांची कमतरता भासली की ते साठवून ठेवलेल्या प्लॅस्टिकच्या रेणूपासून ऊर्जानिर्मिती करतात. संशोधकांनी या जीवाणूंच्या पेशीतील प्लॅस्टिकचे रेणू संश्लेषित करणारे जनूक वेगळं केलं व त्याचं तंबाखूच्या रोपट्यात, रोपण केलं, तेव्हा त्या वनस्पती प्लॅस्टिकची निर्मिती करू शकत असल्याचं आढळलं. हे प्लॅस्टिक लवकरच बाजारात येईल, असा संशोधक मंडळींचा दावा आहे. अमेरिकन शास्त्रज्ञांनी बटाट्यांच्या पिकांवर प्रयोग करून साखर व ग्लुकोजच्या रेणूपासून तयार होणारं जैविक प्लॅस्टिक निर्माण करण्यात यश मिळवलं आहे. या प्लॅस्टिकच्या छोट्या-छोट्या गोळ्या सहज तुटणाऱ्या मूल्यवान वस्तूंच्या पॅकेजिंगसाठी वापरल्या जात आहेत. गोल्फ खेळण्यासाठी लागणारे 'गोल्फ-टी'देखील या जैविक प्लॅस्टिकपासून तयार होत असतात. विशेष म्हणजे, हे प्लॅस्टिक सहज पाण्यात विरघळतं, त्यामुळे ते पर्यावरणाला अजिबात हानी पोहोचवत नाही. जैविक प्लॅस्टिकवर सूक्ष्म जीवाणू सहज प्रक्रिया करतात व त्याचं विघटन करतात. जैविक प्लॅस्टिकच्या निर्मितीमुळे शेतकऱ्यांना एका नव्या पिकांचं उत्पादन करण्याची संधी मिळेल. कारण जैविक प्लॅस्टिक निर्मितीसाठी मका, भात, गहू इत्यादी पिकांचाही वापर होऊ शकतो. जपानमध्ये तर अशा प्रकारच्या प्लॅस्टिकपासून तयार केली जाणारी खाद्यपदार्थांची आवरणं माणसाला खाता येतात. आइस्क्रिमच्या कोनाप्रमाणेच, पॉपकॉर्न किंवा वेफर्स खाऊन झाले की त्याच्या पिशव्यादेखील मटकावता येणारा दिवस आता फारसा दूर नाही.

वेष्टित... अवगुंठित...!

निसर्गाकडून आपण बरंच काही शिकलो आहोत. त्यात एखाद्या वस्तूला वेष्टन घालण्याची कलाही निसर्गाकडूनच आपण आत्मसात केली आहे. म्हटलं तर ही कला आहे, म्हटलं तर शास्त्र. आधुनिक काळात वेष्टनकला हे शास्त्र आणि कला या दोन्ही रूपांत समोर आलं आहे...

मक्याचं कणीस तुम्ही कधी सोललंय? (की प्लॅस्टिकच्या पिशवीत मिळणारे मक्याचे दाणेच खाल्लेत!) एकेक साल बाजूला करत आपण कणीस सोलत जातो. एकामागोमाग एक असे सालांचे थर बाजूला झाले की, मग आतमध्ये अत्यंत सुरक्षित ठेवलेले पिवळेधमक दाणे आपल्या नजरेस पडतात. भुईमुगाची शेंग तिच्या छोटीशी चोच असलेल्या बाजूने दाबून फोडलीत तरच आतले लालसर दाणे खायला मिळतात. केळं देठाकडून खालच्या दिशेने सोलत नेलं की आतला गर आपल्याला दिसू लागतो. वालपापडीचे दाणे हवे असतील तर त्याची शेंग सोलावी लागते. मटारचे दाणे वेचण्यासाठीही त्याची शेंग सोलणं भाग पडतं. हे सगळं नव्याने सांगण्याचा उद्देश एकच - निसर्गाने आपल्याला दिलेलं हे वेष्टनाचं देणं आहे. नाजूक किंवा नाशवंत पदार्थ सुरक्षित राहावा यासाठी निसर्गात ही वेष्टनाची सोय केलेली आहे.

अशी सोय करताना आतील वस्तूचं आयुष्य वाढावं, तिचं कीडींपासून रक्षण व्हावं, प्राण्यापक्ष्यांपासून तिचा बचाव व्हावा, तिचं मूळ रूप अबाधित राहावं, या उद्देशांनी निसर्गात वेष्टनं तयार केली गेली आहेत. केळ्याचं साल पाहिलंत तर त्याच्या आत जाड

पांढरट थर दिसतो. हा थर 'शॉक ॲबसॉर्बर'चं काम करतो आणि आतलं फळ सुरक्षित राहतं. मटारच्या शेंगेच्या आत एक पापुद्रा असतो, ज्याची तुलना प्लॅस्टिकशीच करता येईल. मक्याचे दाणे हे पक्ष्यांचं आवडतं खाणं. त्यामुळे या दाण्यांना पक्ष्यांपासून संरक्षित करण्यासाठी अनेक सालांचं वेष्टन देऊन त्याला 'फुलप्रूफ' केलेलं. निसर्गाच्या या किमयेतून स्फूर्ती घेऊनच मानवाने 'पॅकेजिंग' हे स्वतंत्र शास्त्र विकसित केलं असण्याची शक्यता नाकारता येत नाही.

पॅकेजिंग शास्त्राला सुमारे दोनशे वर्षं झाली आहेत. १८०५मध्ये अलेक्झांडर पार्क्स याने प्लॅस्टिकचा शोध लावला. त्या वेळी प्लॅस्टिक हे 'बेकेलाइट' या स्वरूपात होतं. १९व्या शतकाच्या उत्तरार्धातच केव्हा तरी बाटल्यांना झाकण्यासाठी बुचाच्या खुंट्यांऐवजी 'बेकेलाइट'चा वापर सुरू झाला. अन्नपदार्थांच्या सुरक्षिततेसाठी बेकेलाइटपाठोपाठ आलं सेलोफेन, ज्याचा वापर पुठ्ठ्याचे खोके बंद करण्यासाठी होऊ लागला. त्यानंतर औषध उद्योग प्रगत होऊ लागला तसं पॅकेजिंगचं महत्त्व वाढू लागलं. प्लॅस्टिकच्या शोधानंतर औषधांच्या वेष्टनासाठी त्याचा प्रभावी वापर सुरू झाला. दरम्यानच्या काळात ब्लिस्टर पॅकेजिंग सुरू झालं आणि

पर्यावरणानुकूल प्लॅस्टिक!

प्लॅस्टिकचं विघटन होत नाही अशी ओरड आपण इतकी वर्षं करतो आहोत. परंतु आता शास्त्रज्ञांना विघटित होणारं प्लॅस्टिक शोधून काढण्यात यश मिळालं आहे. हे प्लॅस्टिक तयार करतानाच ते जैवइंधनाच्या अवक्षेपांपासून तयार केलं जात नाही, तर ते निसर्गातल्या घटकांपासूनच तयार केलं जातं. केएआयएसटी विद्यापीठ आणि कोरियन रसायन कंपनी एलजी केम यांनी एकत्रितरीत्या हा शोध लावला आहे. पुनर्नवीकरण करता येणाऱ्या आणि नैसर्गिक घटकांपासून हे प्लॅस्टिक त्यांनी तयार केलं आहे. यासाठी बायोइंजिनीयरिंगचा वापर करण्यात आल्याचं या शास्त्रज्ञांच्या चमूचे प्रमुख प्रा. सँग यूप ली यांनी सांगितलं. या शोधाची विस्तृत माहिती बायोटेक्नॉलॉजी आणि बायोइंजिनीयरिंग जर्नलमध्ये प्रसिद्ध करण्यात आली आहे. या प्लॅस्टिकमुळे वेष्टनशास्त्रातही क्रांती होणार आहे, यात शंका नाही.

विज्ञानाचं दहशतवादी रूप

गेल्या वर्षी २६ नोव्हेंबर रोजी मुंबईवर झालेल्या भीषण दहशतवादी हल्ल्यांना नुकतंच वर्ष झालं. या दहशतवादी हल्ल्यांनी आपली संरक्षण व्यवस्था किती तोकडी आहे आणि त्या तुलनेत दहशतवाद्यांचं तंत्रज्ञान किती पुढारलेलं आहे, हे दाखवून दिलं. २००१मध्ये अमेरिकेतील वर्ल्ड ट्रेड सेंटरवर 'अल काइदा'च्या दहशतवाद्यांनी केलेल्या विमान हल्ल्यानंतर साऱ्या जगाला असाच हादरा बसला होता. विज्ञान आणि तंत्रज्ञानाची मदत घेऊनच दहशतवादी इतक्या संहारक गोष्टी करू शकले, हे कटू सत्य आहे. मानवाच्या हितासाठी होत असलेली वैज्ञानिक प्रगतीच त्याला आता मारक ठरत आहे, हेच दहशतवादी वारंवार दाखवून देत आहेत.

'विज्ञानाचे फायदे आणि तोटे' असा विषय निबंधासाठी शाळेत नेहमीच दिला जातो. या निबंधात मानवाची प्रगती होण्यास विज्ञानाने कसा वाटा उचलला, हे सांगून विज्ञानाच्या प्रगतीची विद्यार्थी मुक्तकंठाने स्तुती करतात. तर विज्ञानाचा तोटा सांगताना वैज्ञानिक प्रगतीमुळे माणूस आळशी कसा बनला, प्रत्येक छोटी-मोठी कामं करण्यासाठी त्याला यंत्रांचा वा उपकरणांचा वापर कसा करावा लागतो, याचा ऊहापोह केला जातो. परंतु एकविसाव्या शतकाच्या प्रारंभी विज्ञान मानवाच्या मुळावरच कसं उठलं आहे, याचं भयजनक वास्तव जगासमोर आलं आहे. हे घडलंय ते दहशतवाद्यांकडून होत असलेल्या विज्ञान-तंत्रज्ञानाच्या मुक्त वापरामुळे.

दुसऱ्या महायुद्धाच्या काळात जपानची आगेकूच थोपावण्यासाठी अमेरिकेने हिरोशिमा व नागासाकी या जपानमधील शहरांवर अणुबॉम्ब टाकले आणि साऱ्याच जगाला हादरा बसला. मानवनिर्मित विज्ञानाचा बसलेला हा पहिला धक्का! त्यानंतर अणुबॉम्ब व अण्वस्त्र जगाला किती मारक आहे, हे लक्षात आल्याने अनेक विकसित राष्ट्रांनी अण्वस्त्रांवर बंदी घातली. परंतु आशिया व युरोपमधील काही विकसनशील राष्ट्रांमध्ये अण्वस्त्रांची निर्मिती होतच होती. याकडे कोणाचंही लक्ष नसल्याने दहशतवादी संघटनांनी विसाव्या शतकात त्याचा फायदा उठवला.

अमेरिकेवर २००१मध्ये झालेल्या हल्लानंतर दहशतवाद्यांनी विज्ञान आणि तंत्रज्ञानदृष्ट्या किती प्रगती केली आहे, याचा अंदाज आला. सुसज्ज उपकरणं वापरून अत्यंत नियोजनबद्ध पद्धतीने हा हल्ला करण्यात आला होता. वर्ल्ड ट्रेड सेंटर व पेंटागॉन या जगातील महत्त्वाच्या इमारतीच दहशतवाद्यांनी विमानांनी उडवून दिल्या. दहशतवाद्यांकडे इतकी आधुनिक व सुसज्ज शस्त्रास्त्रं कुठून आली, त्यांना आर्थिक मदत कोठून मिळाली, दहशतवादी हल्ल्याचं व्यवस्थापन त्यांनी कसं केलं, असे अनेक प्रश्न नंतर विचारले गेले. त्यातून हे लक्षात आलं की, दहशतवादी हे उच्चशिक्षित, बुद्धिवंत आणि काळाच्या पुढचा विचार करणारे आहेत. 'अल-काइदा' या दहशतवादी संघटनेचा प्रमुख ओसामा बिन

लादेन हा सिव्हिल इंजिनीयर आहे आणि त्याचा प्रमुख साथीदार अल जवाहिरी हा डॉक्टर आहे. 'अल-काइदा', 'लष्कर-ए-तय्यबा', 'इंडियन मुजाहिदीन' या संघटनांमधील दहशतवाद्यांमध्ये वैज्ञानिक, इंजिनीयर, डॉक्टर्स आणि एमबीए असल्याचीही माहिती उघड झाली आहे. श्रीलंकेतील राज्यकर्त्यांची गेली २५ वर्षं झोप उडवणाऱ्या 'एलटीटीई' या दहशतवादी संघटनेची कार्यप्रणाली 'प्रगत' होती. त्याच्याकडे रणगाडे आणि लढाऊ विमाने या संघटनेकडे होती. अण्वस्त्रांच्या निर्मितीसाठी रशियातील अनेक शास्त्रज्ञांना प्रचंड पैसा देऊन त्यांच्याकडून अण्वस्त्रांची निर्मिती करण्याचं तंत्रज्ञान 'अल काइदा'सारख्या दहशतवादी संघटनांनी मिळवल्याचंही सांगितलं जात होतं.

दुसऱ्या बाजूला १९९०च्या दशकानंतर जगातील दहशतवादी हल्ल्यांमध्ये वाढ झाल्याने या दहशतवादी शक्तींना थोपवण्यासाठी अनेक देशांनी आपल्या संरक्षण व्यवस्थेतही सुधारणा केली. दहशतवाद्यांचा निकराने मुकाबला करण्यासाठी अनेक देशांनीही नवं संरक्षणविषयक तंत्रज्ञान शोधून काढलं. त्यासाठी विशिष्ट उपकरणांचा शोध लावत सुरक्षा व्यवस्था चोख करण्याचा प्रयत्न केला.

बायोमेट्रिक ओळखपत्र आणि सीसीटीव्ही कॅमेरे यांचा वापर केला जाऊ लागला आहे. बायोमेट्रिक ओळखपत्रांमुळे एखाद्या व्यक्तीची शारीरिक जडणघडण आणि त्याबद्दलची सर्व उपयुक्त माहिती मिळते. या ओळखपत्रांमुळे शारीरिक बांधा, चेहरा, बोटांचे व हाताचे ठसे, डोळे आणि डीएनए यांचाही तपशील सुरक्षा अधिकाऱ्यांना मिळतो. इतकंच नव्हे; तर त्या व्यक्तीची स्वाक्षरी आणि आवाजातील कंपनं याचीही माहिती मिळते. अमेरिकेतील अनेक भागांत नागरिकांना हे ओळखपत्र सक्तीचं करण्यात आलं आहे. सीमांतर्गत भागात तर अमेरिकेने पूर्वीपासूनच आंतरराष्ट्रीय प्रवाशांच्या बोटाचे ठसे स्कॅन करण्याची पद्धत अवलंबली आहे. ब्रिटनमध्ये इलेक्ट्रॉनिक्स चिप्स असलेले पासपोर्ट जारी केले आहेत. त्यामुळे प्रवाशांची संपूर्ण माहिती मिळण्यास मदत होते.

आपल्या देशातील अनेक महत्त्वाच्या ठिकाणी आजकाल 'सीसीटीव्ही कॅमेरे' लावण्यात येतात. चोख सुरक्षा व्यवस्था असावी, यासाठीच केलेला हा उपक्रम आहे. दहशतवादी हल्ला झाल्यानंतर या दहशतवाद्यांची माहिती मिळवण्यासाठी हे कॅमेरे अत्यंत उपयोगी पडतात.

एवढं करूनही बहुतेक सर्व देशांना अशी भीती वाटतेय की, दहशतवादी आपल्यापेक्षा चार पावलं पुढेच असणार. जगभर गेल्या काही वर्षांत झालेल्या दहशतवादी हल्ल्यांतून हे दिसूनही आलंय. हल्ली दहशतवादी 'इम्प्रोवाईज्ड एक्सप्लोजिव्ह डिव्हाइस' वापरून बॉम्बस्फोट घडवतात. 'जीपीआरएस'सारखी अत्याधुनिक उपकरणं वापरतात. इंटरनेटचा वापर करतात. सॅटेलाइट फोन वापरतात. त्यांचं जाळं जगभर पसरलेलं आहे. दहशतवादी हल्ले करताना न्यूक्लिअर सायन्सचा वापर कसा करता येईल, याचा ते विचार करत आहेत. दहशतवादाचा पुढचा टप्पा हा बायोलॉजिकल (विषारी जंतू सोडून माणसं मारणं) वॉरफेअर असेल, असा त्यांचा प्रयत्न आहे. कल्पना करा की, हे खरोखर घडलं तर किती हाहाकार उडेल?