

**GOVERNMENT OF INDIA
ENVIRONMENT AND FORESTS
LOK SABHA**

UNSTARRED QUESTION NO:2796

ANSWERED ON:21.03.2005

FOREIGN ASSISTANCE FOR PHASING OUT OZONE DEPLETING SUBSTANCE

Adhalrao Patil Shri Shivaji;Adsul Shri Anandrao Vithoba;Satpathy Shri Tathagata

Will the Minister of ENVIRONMENT AND FORESTS be pleased to state:

(a) whether India has received foreign assistance for over 350 projects to phase out about 12,000 tonnes of Ozone Depleting Potential (ODP);

(b) if so, the details thereof;

(c) the assistance given for each project to phase out ODP;

(d) the number of projects completed so far; and

(e) the policy and fiscal measures taken by the Government for smooth implementation of Ozone depleting substances ?

Answer

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT AND FORESTS (SHRI NAMO NARAIN MEENA)

(a) and (b) The Multilateral Fund Secretariat of the Montreal Protocol had approved 272 investment projects in India for phasing out Ozone Depleting Substances (ODS) having 60,524.6 Ozone Depleting Potential (ODP) tons.

(c) The list of approved investment projects by the Multilateral Fund of the Montreal Protocol is given in Annexure.

(d) 252 investment projects have been completed so far and the remaining are under implementation.

(e) The policy and fiscal measures taken by the Government include the following:

- The country programme has been prepared for phasing out various ODS and is under implementation in India.
- Adopted licensing system for import and export of certain ODS.
- Fiscal incentives extended by way of exemption from payment of Customs and Excise duties for goods exclusively designed for non-ODS technology.
- Ban on trade of ODS with countries which are not Party to the Montreal Protocol on Substances that Deplete the Ozone Layer.

ANNEXURE

Aerosols Sector

S.No.	Name of the Enterprises to be Approved phased out (in US\$)	ODP tons	Funds
1	Aero Pharma Aerosol Conversion, Maharashtra	36.0	62,250
2	My Fair Lady Aerosol Conversion, New Delhi	59.4	128,792
3	Aerol Formulations Aerosol Conversion, New Delhi	31.0	78,479
4	Texas Enterprises Aerosol Conversion, New Delhi	31.2	79,100
5	Ultra Tech Specialty Chemicals Pvt Ltd. Aerosol Conversion, Maharashtra	30.8	79,100
6	Accra Pack India Pvt. Ltd. Aerosol Conversion, Gujarat	52.0	146,550
7	Stella Industries Ltd. Aerosol Conversion, New Delhi	105.0	304,168
8	Aeropress Aerosol Conversion, Gujarat	50.0	165,952
9	Aero pack Products Aerosol Conversion, Maharashtra	20.4	107,875
10	Asian Aerosols Pvt. Ltd. Aerosol Conversion, Gujarat	25.0	102,706
11	Aerosols D'Asia Pvt. Ltd. Aerosol Conversion, Gujarat	18.0	78,479
12	A.A. Attarwala and Co. Pvt. Ltd. Aerosol Conversion, Maharashtra	30.6	151,703
13	Aero Industries Aerosol Conversion, Gujarat	27.6	137,561
14	Chem Versa Consultants Ltd. , Maharashtra	18.0	76,076
15	SaraChem Pvt. Ltd. Aerosol Conversion, Maharashtra	23.3	100,755
16	Spray Products Ltd. Aerosol Conversion, Maharashtra	16.8	73,999
17	Sunder Chemical Ltd. Aerosol , Delhi	15.0	67,678
18	Maja Cosmetics Pvt. Ltd., Delhi	31.3	141,521
19	Midas Care Pharmaceuticals Ltd. Maharashtra	25.2	125,294
20#	Syncaps Aerosols, Maharashtra	53.5	182,515

21 Ruby Aerosol, Delhi	22.2	51,754	
22 Vimsons Aerosol, Gujarat	18.2	75,145	
23# Terminal Umbrella Project Aerosol Sector	132.5	657,130	

Total 873.0 3,174,582

= Ongoing project. Remaining projects have been completed.

Foam Sector

S.No.	Name of the Enterprises to be Approved phased out (in US\$)	ODP tons	Funds
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1	Camphor & Allied Products Ltd., Gujarat	120.0	316,400
2	Sunpra Ltd., Pune, Maharashtra	20.0	467,820
3	Eagle Flasks Industries Ltd., Maharashtra	20.0	412,450
4	U-Foam Pvt. Ltd., (A.P)	35.0	371,205
5	Bakelite Hylam Ltd., Secunderabad	58.0	414,710
6	Alfa Foams, Maharashtra	19.0	248,487
7	Blue Star Ltd., Maharashtra	13.0	253,120
8	Duroflex Coir Industries P. Ltd., Karnataka	10.0	113,904
9	Industrial Foam P. Ltd., New Delhi	35.0	361,600
10	Ishwar Arts, Gujarat	8.0	136,674
11	Ishwar Ashish Plastics P. Ltd., Gujarat	8.0	136,674
12	Karnataka Consumer Product Ltd.(Kurlon), Karnataka	27.0	286,116
13	Madras Polymounds, T.N.	10.0	189,501
14	Milton Plastics Ltd., Maharashtra	30.0	515,845
15	Milton Polyplast, Maharashtra	15.0	266,680
16	Tranquil Rubbers Sales P. Ltd., T.N	17.0	243,233
17	Vikram Plastics, Gujarat	15.0	266,860
18	Panorama Plastics, Gujarat	8.0	136,674
19	Polynate Foams P. Ltd., Karnataka	20.0	314,140
20	Polyflex (India) P. Ltd., Karnataka	40.0	251,312
21	Real Polymers, New Delhi	35.0	312,106
22	Vijjayot Seats Ltd., Gujarat	49.0	379,115
23	Bharat Seats Ltd., Haryana	55.0	581,456
24#	PUR Polyurethane Products P. Ltd., New Delhi	17.0	212,286
25	Pfeda Synthetics (P) Ltd., New Delhi	30.0	379,373
26	SDC Polyurethane Products Ltd., Gujarat	24.0	181,897
27	Shroff Textiles Ltd., Maharashtra	25.0	222,836
28	Harita Grammer Ltd., Karnataka	26.0	183,512
29	Punjab Scooters Ltd., Punjab	39.0	352,786
30	Amit Polyseats Ltd., U.P	19.3	274,590
31	Meenakshi Polymers Pvt. Ltd., Delhi	15.0	241,820
32	Beardsell Ltd., T.N.	21.2	145,770
33	Asha Handicraft., Maharashtra	19.4	138,425
34	Wimco Pen Co., Maharashtra	18.5	134,798
35	Llyod Insulation (India) Ltd., Delhi	76.7	565,000
36	Cello Plast., Daman	21.0	159,692
37	Cello Thermoware Ltd., Daman	17.4	146,245
38	Polyproducts, Gujarat	18.5	158,415
39	Kaygee Foams P. Ltd., Maharashtra	33.0	245,493
40	Preto Foams, Hyderabad, A.P.	11.5	188,823
41	Bharat Plastic Products., Daman	25.0	108,480
42	Inalsa Ltd., New Delhi	28.9	138,990
43	Mahavir Enterprises, Maharashtra	19.4	106,785
44	Omkar PUF Insulation, Maharashtra	10.6	66,670
45	Krishna Fabrications Ltd., Karnataka	13.0	185,320
46	K.B. Poly Industries P. Ltd., Orrisa	10.0	168,370
47	Vora Cork Industries, Maharashtra	39.6	298,885
48	Best Plastronics Pvt. Ltd., New Delhi	19.5	145,770
49	Bharat Plast, Daman	10.6	80,230
50	Amar Enterprises, Maharashtra	16.2	135,600
51	Deccan Engineering Enterprises, A.P.	8.3	72,320
52	Bharat Cottage Industries, Maharashtra	7.8	68,930
53	80 Small and medium sized enterprises - group project SMEs	290.0	1,586,520
54	Super Urethane Products P. Ltd., Daman	39.1	320,920
55	Blowkings KFTZ, Maharashtra	17.6	149,160
56	Delta Foams Engineering Co., Maharashtra	12.0	96,050
57	Panna International, Gujarat	9.7	54,240
58	Viral Corporation, Gujarat	11.8	94,920
59	Ras Polybuild Products P. Ltd., A.P.	17.7	144,640
60	Alaska Industries., Daman	17.6	144,640
61	Bluplast Corporation, Maharashtra	10.1	85,880
62	Reliable Rotomoulders Pvt. Ltd., West Bengal	8.7	71,190
63	Malanpur Entech Pvt. Ltd., M.P.	18.9	167,240
64	Nissan Thermoware P. Ltd., Daman	15.4	125,430
65	K.J. Polymers P. Ltd., Delhi	30.0	144,132
66	Venus Auto P. Ltd. U.P	21.0	155,093
67	Shri Krishna polyurethane Industries (P) Ltd., Delhi	19.2	217,949
68	Sidhi Polymer P. Ltd., Karnataka	7.5	85,033

69 Legend Interiors , Delhi 9.0 140,120
70 National Flask Industries Ltd., Gujarat 36.9 230,373
71 Sintex Industries. Ltd., Gujarat 10.9 71,167
72 Jayson Industries, Delhi 12.9 100,457
73 Duab International, Haryana 13.4 118,074
74 Jaypee Technoplast P. Ltd., Jammu 18.5 158,042
75 Galaxy FRP Pvt. Ltd., Haryana 18.5 163,633
76 Ajay Corrugating & Plastics P. Ltd., Gujarat 10.3 91,310
77 Puff Insulators , Delhi 10.6 93,960
78 Joti Foam Products P. Ltd., Maharashtra 37.6 196,948
79 Bansal Plastic Industries, Delhi 20.4 77,777
80 Baba Insulators, Delhi 14.4 66,778
81 Shree Nath Plastics, Delhi 13.9 69,348
82 R.S. Insulators, Delhi 10.3 61,924
83 P.K. Construction Co., Delhi 10.6 83,814
84 Ganga Thermoware P. Ltd. U.P. 10.1 89,116
85 Shivathene Linopack, H.P. 119.0 236,170
86 Nav Texfeb Pvt. Ltd., U.P. 32.4 185,300
87 Ashok Metals, Delhi 12.5 76,915
88 O.K.Industries, Delhi 10.7 74,837
89 28 small and medium-sized enterprises-group project 105.7 786,044
90 Devisons P. Ltd. , Delhi 15.3 129,882
91 Varivar Plast Products Pvt. Ltd., U.P. 12.3 108,688
92 Supertek International, Delhi 10.6 94,018
93 Standard Electric Appliances, T.N. 10.0 88,294
94 N.D.Plastics , Delhi 12.9 114,457
95 Primrose Multiplast Pvt. Ltd., Delhi 9.6 132,329
96 Delite Foam and Polymers, Haryana 11.2 213,380
97 Reactive Polymers Ltd., Gujarat 29.6 400,218
98 National Plastics, Daman 36.2 240,104
99 Tokyo Plast International Ltd., Daman 30.5 221,925
100 Crystal Electronics and Plastics, U.P. 18.3 139,378
101 Mayur Jugs Pvt. Ltd., Delhi 16.9 134,936
102 Santech Industries, Punjab 14.7 130,064
103 Saddle Poly Products P. ltd., A.P. 15.2 134,568
104# 24 Small and medium-sized Enterprises 97.7 994,108
105 Harjas Plastic and Metal Components P. Ltd. Maharashtra 20.2 278,416
106 Naorang Plast, Delhi 13.5 60,083
107 16 Spray Foam Enterprises 211.1 1,224,969
108 Crown Industries, Gujarat 22.5 127,814
109 Evershine Plastic Industries P. Ltd., U.P. 16.2 80,060
110 Ramakrishna Moulders, Delhi 15.7 88,681
111 Sanjay Industries, West Bengal 15.7 112,183
112 Enertech engineering P.Ltd., A.P. 15.8 139,113
113 M-Plast, Delhi 13.0 105,405
114 Raipur Agencies, Chattishgarh 16.3 163,361
115 Pyarelal Coir Products Ltd., U.P. 18.5 189,141
116 Alka International Ltd., U.P. 18.5 195,665
117 SR Poly Steel P. Ltd., Haryana 14.9 163,058
118 Nindra Foams, Delhi 11.0 168,149
119 R.H. Industries, Punjab 11.3 173,901
120 Pinnacle Inudstries Ltd., M.P. 13.0 210,623
121 Coolwels Automobile Engineers, Haryana 15.8 150,540
122 Jaiswal Industries, New Delhi 13.1 171,839
123 Premium Mouldings & Pressing P. Ltd., Haryana 17.7 156,428
124 Sawhney Seating Systems, Haryana 28.0 273,029
125# Sun Steering Wheels Ltd., Haryana 15.6 163,148
126 Netplast Ltd., U.P. 18.0 200,263
127 Group Project spray and Insitu insulation 14 Enterprises 178.4 852,673
128 SR Polymers and Printers, New Delhi 19.6 107,352
129 Roome Plastics P. Ltd., Rajasthan 18.1 113,617
130 Apollo Steelcrafts, Delhi 13.7 86,925
131 17 Small and Medium-sized enterprises 55.8 472,046
132 Solvay Moulding P. Ltd., Dadar & Nagar Haveli 26.1 222,480
133 Polyrub Industries, Gujarat 12.5 110,687
134 Prince Plastoware Ltd., Daman 9.4 83,631
135 Nandadeep Fibrotech P. Ltd. , Maharashtra 11.3 100,034
136 Lear Insulation Engineering P. Ltd., Maharashtra 10.6 93,301
137 Essa Aircons Ltd., Daman 13.9 122,986
138 UNC Plast Industries, Navi Mumbai 11.4 101,256
139 Poly Glass Fibre Industries P. Ltd., New Delhi 17.1 151,689
140 Caryaire Equipments India P. Ltd., U.P. 17.0 150,865
141 Bhatia Plastics, New Delhi 11.1 98,389
142 Flexo Foam P. Ltd., Haryana 19.4 209,372
143 Malvika Polymers, Haryana 20.0 222,169
144# Nu-Foam Rubber Industries P. Ltd., Haryana 15.6 180,970
145 Sutlej Coach Products P. Ltd., Punjab 18.0 211,862
146 Viking Engineers P. Ltd., U.P. 13.3 163,737
147 Oto Industries P. Ltd., Haryana 12.7 157,879
148# Precision Engineering Tools and Components 22.0 226,319
149# Pramukh Polymers 27.0 254,038
150 Enkay Foam P. Ltd., U.P. 16.6 183,443
151 Manali Petro chemicals Ltd., Madras 490.0 700,000
152 UB Petrochemicals Ltd., Madras 464.0 585,684
153 Expanded Incorporation, Mumbai 72.0 502,130
154 Polymermann (Asia) P. Ltd., Mumbai 290.0 435,050
155# Sectoral Phaseout plan for elimination of CFCs in the Foam sector involving 99 Small and Medium Enterprises 673.5 8,959,077

Total 5869.8 43,031,216

= Ongoing project. Remaining projects have been completed.

Halon Sector

S.No.	Name of the Enterprises to be Approved phased out (in US\$)	ODP tons	Funds
1	Vijay Fire Protection Systems Ltd., Gujarat	292.0	247,642
2	Nitin Fire Protection Industries Ltd., Maharashtra	212.0	187,374
3	New Age Industries, Maharashtra	133.0	149,440
4	Steelage Industries Limited, T.N.	116.0	149,064
5	Vimal Industrial Safety Equipment Corporation, Baroda	133.0	210,352
6	Atkins, New Delhi	37.0	61,879
7	Ashoka Engineering Co., New Delhi	34.0	56,862
8	Standard Casting Pvt. Ltd., Delhi	64.1	103,960
9	Bharat Engineering Works, Maharashtra	49.5	82,784
10	Zenith Fire Services, Maharashtra	36.0	60,206
11	New Fire Engineers Pvt. Ltd., Maharashtra	120.0	146,900
12	Cascade Counsel Ltd., New Delhi	54.0	90,310
13	Kooverji Devshi & Co Pvt. Ltd., Maharashtra	25.5	42,646
14#	Umbrella project for the closure of Two Plants in India - SRF & NFI	556.0	2,834,000
15#	National Halon Management and Banking Program (Canada, Australia)	427.2	515,970
Total		2289.3	4,939,389

= Ongoing project. Remaining projects have been completed.

Refrigeration and Air Conditioning (RAC) Sector

S.No.	Name of the Enterprises to be Approved phased out (in US\$)	ODP tons	Funds
1	Blue Star Ltd., Maharashtra	36.0	567,000
2	Subros Ltd., New Delhi	84.0	1,710,000
3	Meghdoot Refrigeration Industries, Maharashtra	18.0	185,987
4	V. Krishna & Co., Maharashtra	14.8	166,133
5	Friz-Tech. P. Ltd., Maharashtra	11.5	150,200
6	V. Krishna P. Ltd., Maharashtra	17.0	229,153
7	Rockwell Devices P. Ltd., A.P.	18.0	204,535
8	Rabi Run Refrigeration Pvt. Ltd., Karnataka	14.0	161,163
9	Sethia Appliances P. Ltd., A.P.	16.0	195,924
10	Seepra Refrigeration P. Ltd., Maharashtra	15.0	194,258
11	Shakti Fabricators, Punjab	13.5	179,930
12	Supercold Refrigeration Systems., Kerala	11.0	151,160
13	Murali Refrigeration and Engineering Co., Kerala	9.0	142,928
14	Godrej-GE Appliances Ltd., Maharashtra	568.0	3,041,474
15	Standard Refrigeration Appliances, Maharashtra	18.8	192,303
16	Polar Enterprises, Maharashtra	10.8	156,155
17	Refrigerators and Home Appliances P. Ltd., New Delhi	11.3	166,449
18	Hindustan Refrigeration Industries, New Delhi	10.1	149,522
19	Refrigeration Components and Accessories, New Delhi	9.5	141,668
20	Sheetal Engineering Works P. Ltd., Gujarat	8.7	144,222
21	Videocon Appliances Ltd., Maharashtra	351.7	2,706,290
22	Voltas Ltd., A.P.	354.0	3,591,627
23	Electrolux - Kelvinator Ltd. (Maharaja International Ltd.), Rajasthan	59.8	646,710
24	Pranav Vikas India Ltd., Haryana	-	1,067,753
25	Sanden Vikas India Ltd., Haryana	8.4	554,627
26	Arkay Industries., Goa	19.8	170,547
27	Saikrupa Industries, Maharashtra	14.8	153,840
28	Sarkar Refrigeration Industries., Maharashtra	12.0	140,364
29	Sidwal Refrigeration., Delhi	11.7	197,658
30	BPL Refrigeration Ltd., Karnataka	136.0	1,163,161
31	Sandeep Refrigeration, Maharashtra	9.9	121,683
32	Whirlpool of India Ltd., Haryana	200.6	1,090,698
33	Fedders Lloyd Corporation Ltd. U.P.	21.2	290,894
34	Sandlas Air-Com Systems P. Ltd. Punjab	23.3	258,224
35	Umbrella Project of three commercial refrigeration enterprises, Delhi	27.3	371,650
36	Nine Enterprises for Commercial Refrigeration	53.5	886,262
37	Five Enterprises for Commercial Refrigeration	22.0	365,699
38	Nine Enterprises for Commercial Refrigeration	56.5	816,357
39	Fourteen Enterprises for Commercial Refrigeration	68.0	1,075,708
40	Ice-Make Refrigeration	12.4	177,755
41	Konark Refrigeration Appliances	13.1	206,433
42	Subros Ltd., New Delhi (Phase-II)	-	1,404,588
43#	Plan for phase out of CFCs in the Refrigeration (Manufacturing) Sector	732.0	3,721,623
44#	National CFC consumption phase out plan focussing on the	1006	2,445,223

Refrigeration Service Sector (UNDP, Switzerland, Germany, UNEP)

45 Shriram Industrial Enterprises Ltd. Hyderabad	18.0	685,000
46 Kirloskar Copeland Ltd., Karad, Maharashtra	125.5	547,900
47 Freezeking Industries, New Delhi	35.0	240,500
48 Godrej G.E. (Compressor), Maharashtra	71.7	2,285,500

Total 4388.6 35,762,450

= Ongoing project. Remaining projects have been completed.

Solvent Sector

S.No.	Name of the Enterprises to be Approved phased out (in US\$)	ODP tons	Funds
1	ITI Mankapur, U.P.	36.0	689,481
2	Hindustan syringes & Medical Devices P. Ltd., Haryana	53.2	481,000
3	Electronics Research Ltd., Bangalore, Karnataka	17.5	217,436
4	ITI, Palakkad, Kerala	15.0	266,391
5	ITI, Bangalore, Karnataka	7.0	121,988
6	Modi Xerox, U.P.	6.1	147,825
7	Malhotra Shaving Products Ltd., A.P.	17.0	288,277
8	Harbans Lal Malhotra & Sons Ltd., West Bengal	16.0	349,056
9.	Vidyut Metallics Ltd., Maharashtra	19.7	254,761
10.	Microraj Electronics Pvt. Ltd., A.P.	4.3	96,537
11	Videocon Group (VCD), Gujarat	7.2	265,525
12	Excel Industries Ltd., Gujarat	375.0	413,580
13	Blue Star Ltd., Maharashtra	6.6	85,911
14	Alpha Drugs India Ltd., Punjab	69.7	169,205
15	Doctors Organic Chemicals, A.P.	94.6	362,616
16	Svis Labs Ltd., Ranipet, T.N.	54.2	281,785
17	Satya Deeptha Pharmaceuticals P. Ltd., Karnataka	27.9	293,950
18	Sapna Coils Ltd., Maharashtra	22.8	276,877
19	Engineering Industries, Maharashtra	20.2	269,817
20	Sapna Engineering, Maharashtra	14.5	271,692
21#	Pradeep Shetye Ltd., Maharashtra	133.9	315,271
22#	Benzo Chemical Industries, Maharashtra	23.0	154,568
23#	FDC Limited, Maharashtra	34.1	269,359
24	GRD Chemicals Ltd., M.P.	17.9	144,264
25	Rishiroop Organics P. Ltd. & Rishiroop Polymers P. Ltd., Gujarat	248.8	2,312,473
26	Chiplun Fine Chemicals Ltd., Maharashtra	16.7	176,088
27	Amoli Organics Limited	38.5	435,465
28#	Navdeep Engineering, Palghar, Maharashtra	53.9	744,645
29#	Bharat Electronics Limited (BEL), Bangalore	16.0	164,907

Total 1467.3 10,320,750

= Ongoing project. Remaining projects have been completed.

CFC Sector

S1.No.	Name of the Enterprises to be Approved phased out (in US\$)	ODP tons	Funds
1#	Gradual Phase Out of production of Chlorofluorocarbons(CFCs) by four CFC producers in India	22,588	82,000,000

= Ongoing project.

CTC Sector

Sl.No.	Name of the Enterprises to be Approved phased out (in US\$)	ODP tons	Funds
1#	Umbrella Project for Phase out of Production and Consumption of CTC for non feedstock applications	23,058	52,000,000

= Ongoing project.

Status of Sector-wise approved projects by the Multilateral Fund of the Montreal Protocol for phase out of the Ozone Depleting Substances in India

Sl.No.	Sector	No.of Proj-ects appr-oved	No.of Proj-ects comp-leted	No.of Approved (US \$)	ODP Tons to be phased out
1.	Aerosol	23	21	3,174,582	873.0
2.	Foam	155	148	43,031,216	5869.8
3.	Halon	15	13	4,939,389	2289.3
4.	Refrigeration and Air Conditioning (RAC)	48	46	35,614,438	4379.2
5.	Solvent	29	24	10,320,750	1467.3
6.	Chloro Fluoro Carbons (CFCs)	1	-	82,000,000	22,588
7.	Carbon Tetra Chloride (CTC)	1	-	52,000,000	23,058
		272	252	60,524.6	
8.	Support Activities	80	18	9,690,060	-
	Total	352	269	231,080,375	60,524.6