



Reflecting on our Past & Charting our Future

SPECTRUM NGO - AGM ON 3RD JULY 2024



Outreach & Key Projects



Felicitation of Paraplegic sportsmen
25+ cycles to Girl Students
Specialised Intensive Care Equipment in Ambulance
Working with differently abled children
Closely involved with Vishranti Care

ASSOCIATED NGO'S



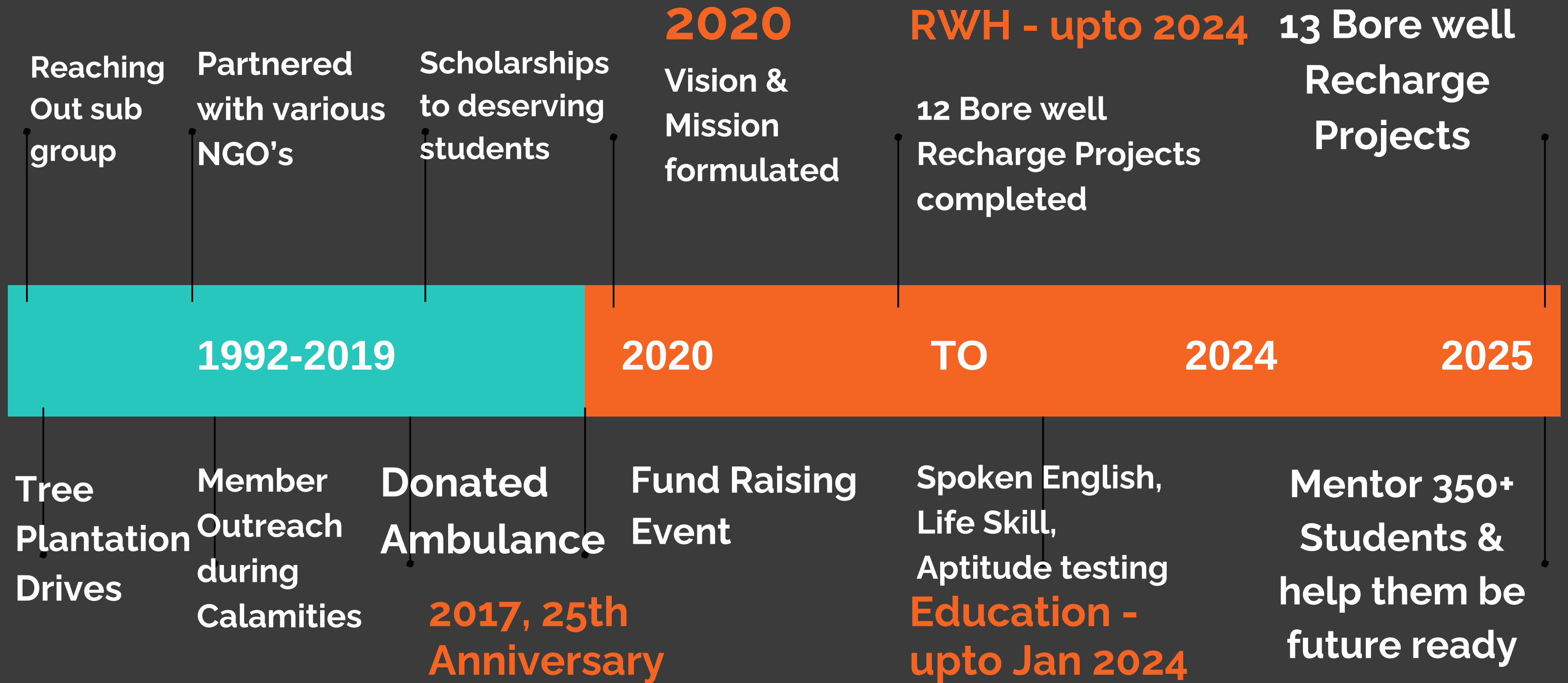
Visit to Vishranti Cancer Palliative Care Centre



Speech Trainer for children at Ayodhya Charitable Trust School for the Deaf



Milestones



Vision formulated in 2020

Spectrum has always believed in the fundamental aspects of nation building- specifically in the field of Education and Environment. **Mission 2020-2025**



RAIN WATER HARVESTING

In the sphere of the environment, we are actively installing Bore well Recharge Systems in Municipal & Zilla Parishad Schools



LIFE SKILL & CONVERSATIONAL ENGLISH
We are empowering young adults to be future ready.

Some Statistics to showcase



INSTALLED

12

Bore well recharge systems at PMC schools

SCHOOLS

7

Which education vertical have impacted

RAIN WATER HARVESTED

2,00,00,000 litres+

Diverted to Ground water Aquifers

UPSKILL

830

Students across partner schools

SIGNIFICANT WATER LEVEL RISE

15-35FT

Bore well measurements *

**rope test conducted at some locations, accurate reading will be taken this year*

FACILITATORS

10+

Volunteering their time and expertise

Verticals **Education**



What the team does...

- Identify Schools that will benefit from the program
- Connect with Teachers and Facilitators
- Arrange sessions with expert Trainers to assist our Facilitators in imparting Life Skills through Interactive sessions
- Create customised course syllabus for our target student group

How you can help

- Connect us with any teacher / facilitators in your circle of influence
- Register as volunteers for planned activities



Verticals



What the team does...

- Identify Municipal & Zilla Parishad Schools with active bore well
- Connect with the ward Corporators for their permission letters to work in the schools
- Work with the Experts to estimate & evaluate the potential, execute the work & coordinate with schools
- Arrange maintenance & water level measurement visits

How you can help

- Connect us with Funding partners aligned with our cause
- Volunteer to find Schools & liaise with Ward Corporators



Survey flags concern over depletion of ground water

Clean Up Choked Water Bodies & Stop Encroachment, Advise Experts

Krishendu Bandyopadhyay
@timesgroup.com

WHY WE SHOULD ACT NOW

- In Bengal, groundwater level has declined by 1.3m from 1993 to 2019.
- In blocks of East Midnapore (Bhagwanpur, Sutahata, Ratula, Anikagram, Anantapur), the level is as low as 35m, which is comparable to water levels of Jodhpur in Rajasthan.
- There has been a 69% decline in the per capita availability of water in Bengal from 1950 to 2011, which is further estimated to be reduced by an additional 13% by 2025.
- As per NASA, groundwater is depleting at the rate of 5 cubic km/year in the eastern belt of India due to excessive irrigation.

Such is the condition of many ponds in south Kolkata

need to act now before we cross the tipping point," he said at a discussion organised by Switcheon Foundation. Irrigation secretary Prabhat Mishra admitted that groundwater, being out of sight, was often out of mind.

On Tuesday, members collectively marched from the Academy of Fine Arts to KMC headquaters with the demand to stop water bodies, clean up ponds, and tanks and make them encroachment-free to prevent the real estate lobby from grabbing water bodies, set up data management system on water bodies and grievance redressal system on urban water bodies.

Bengal Pollution Control Board chairman Kalyan Rudra, who was speaking at a concluding

GOING FAR AND WIDE FOR WATER

WHAT'S IN HAND

- Pune's area: 243 sq km
- Population: 31,15,431 (According to Census 2011)
- Daily water supply: 1,250 MLD
- Daily per capita water supply: 347 litres
- Average annual water supplied: 14.5 TMC to 16 TMC
- Estimated loss in system: 30-35%

PEOPLE'S VIEW

The budget should be implemented in totality. It has to deal with future needs, otherwise it cannot become a reality. This budget seems like that

— Ajay Vaishampayan | SOCIAL ACTIVIST

The income shown in the budget is based on recovery of pending dues. There is hardly any new source of income. I am very doubtful whether the projects declared in the budget would see the light of the day

— Ashish Mane | BUSINESSMAN

Several surveys have pointed out that the city needs better

HOW DOES PUNE GET WATER

FROM FOUR DAMS: KHADAKWASLA, PANSHE, VARASGAON, TEMGHAR

INCOMPLETE PROJECTS

Bhama Ashked

- Status: Incomplete
- City will get 200 MLD

pollution and city will get more water

Grey water project

- Status: Non-starter
- The project will ensure use of recycled water

It will help save a huge amount of water

Leakage detection

- Status: Non-starter
- It will stop 30-40 %

MAJOR CITIES ARE RUNNING OUT OF WATER

Cape Town is in the grip of a three-year drought. It came fast. In 2014, Cape Town's prized dams stood full after years of good rain. In 2014, CAPE TOWN its "adaptation implementation" prize for water management

INDIA'S GROWING THIRST

► Bengaluru is among the 10 cities in the world that might be on the verge of an imminent acute water crisis

DAY ZERO The date many experts expect of water on. How pushed back the date – from

► According to the Centre for Science and Environment ahead of World Water Day (March 22) the water table in Bengaluru has shrunk massively in just two decades while the number of borewells has gone up from 5,000 to a few lakh in 30 years

The Theewaterskloof dam. It used to

► But Cape Town officials insist the city's residents must regulate use of treated water. Officials say residents must use fewer than 50 liters per person daily to avoid total depletion

ALARM IN PUNE

► 80% of the water consumed in this city goes back into the river as waste water. Experts say there's a need to avoid mixing fresh water with sewage water

► Also, rainwater precolation is down from 35% to 5% in Pune due to rampant concreting



VILLAGES WHERE GROUNDWATER QUALITY IS POOR

District	No. of affected villages
Chandrapur	33
Pune	22
Nagpur	19
Nanded	10
Aurangabad	07
Jalgaon, Buldhana	06
Ahmednagar	05
Amravati, Satara	02
Total	112

*Ratnagiri, Raighad districts had no villages identified with poor groundwater reserves

Source: GSDA

Activists Call For Action As Civic Reports Indicate Increase in Water woes to worsen with 1cr-plus population by 2047

Prasad Kulkarni
@timesgroup.com

GROWTH PANGS: DECODING THE FINDINGS

Urban planners say drastic measures like reviewing and increasing the capacity of dams that supply water to PMC areas need to be taken as water sources are limited and the demand is rising by the day

The height of dams like Pawana will have to be increased. More storage is needed to deal with supply needs. Advanced planning should be done. Other infrastructure development projects should take priority — Ramchandra Gohad | URBAN PLANNER

ILL-EFFECTS OF NOISE

- May damage ears, leading to loss of hearing
- Loss of concentration
- Mental health issues

DEGRADING LAKES

- Dissolved oxygen levels are essential for the survival of aquatic organisms
- The higher the levels are better is the water quality

CHECK IT OUT

Source	Sound (db)
Fridge	50
Washing Machine	50-75
AC	50-75
Vacuum cleaner	60-85
Hairdryer	60-95
TV	70
Doorbell	80

Current water supply: 13.5TMC

PMC's demand: Around 22TMC

Likely requirement for water in 2047: Around 30TMC

Pune: The city's water crisis is expected to get worse in the years to come as its population is projected to cross 1 crore, according to PMC's environment status report (2022-23) published on Wednesday.

The report said: "Areas near the PMC's jurisdiction are getting added into the civic limits. It is promoting migration. Better climate and basic facilities are encouraging people to settle down in Pune. Better education facilities are also attracting students' population from different parts of the country and (the world)."

TIMES VIEW: The PMC's ESR has rightly predicted that the density of population in the city will continue to grow, and the city will need to tap more water resources. The geographical expanse of PMC has increased post the merger of fringe areas. Also, the city has several educational institutions and industries that attract

Dissolved oxygen levels dip in Katraj & Pashan lakes, endanger aquatic life

SITUATION ALARMING IN YERAWADA, WAGHOLI & HINJEWADI

► Groundwater is not found till 450 feet from the surface in areas from Yerawada till Lohagaon, Wagholi, Manjari Budruk, Keshavnagar, Mundhwa, Undri, Pisoli, Katraj, Narbe, Ambegaon, Hinjewadi, Panwade and Chakan, experts said

► In areas like Vimannagar, Lohagaon, Kondhwa, Undri, and Pisoli, drilling has to be done to 200 feet or more now

► In Wagholi too, one has to drill deeper than 200-300 feet to find groundwater, while drilling has to be done up to



KEY REASONS

The decrease in water level is cementation in cities. Similarly, everyone draws water but does not take measures to fill up the wells, experts said

Till last year, groundwater was found at 250-300 feet in areas like Hinjewadi, Wakad, and Baner, but now, there is no groundwater till 400 feet in some of these



So what is Bore Well Recharge?

PMC or ZP School-Active Bore well-Terrace or Roof run off-Pipelines connecting to bore well-

Filter System-Recharge Pit





SR#	SCHOOLS DONE	LOCATION	YEAR	MONTH	AREA SQFT	# OF WELLS
1	Baburao katke school	Baner road	2019	June	7,000	1
2	Ahilyabai Hekar school,	Baner road	2020	March	6,500	1
3	Venutai Yashwant Roa Chavan school	Sutarwadi	2020	March	7,000	1
4	Ghorpadi village school	Ghorpadi	2020	april	13,500	1
5	Vivekananda School	Ghorpadi	2021	march	6,500	1
6	Indira Gandhi Model School,	Aundh	2022	FEB	14000	2
7	Vasudev Balwant Phadke pre primary	Wanorie	2022	April	11900	1
8	Mahaji Shinde School	Wanorie	2022	April	8,700	1
9	Mata rambai ambedkar prathmik vidyalaya	Chikhalwadi	2023	Feb	16,800	1
10	Dr Rajendra prasad prathmik vidyalaya	Bopodi	2023	March	7,800	1
11	Anantrao Pawar prathmik vidyalay	Bopodi	2024	March	6,000	1
	Total				1,05,700	12



ASSOCIATE SCHOOLS
ASHRAY

KASHTAKARI SANGATHANA
BSSK

KALMADI SCHOOL KANNADA

SAMTA SCHOOL*
MURKUTE SCHOOL*

*SCHOOLS CURRENTLY WORKING WITH

CHARTING OUR FUTURE

Education up and coming...

- Onboarding of **4-6** more Facilitators
- Adding **1-2 Schools** for our Life Skill Program
- Starting with **4th & 5th Std students** (we have been working with 8-10th until now)

Environment In the pipeline...

- Find **Funding Partners** aligned with our Cause
- We have a list of **10 Schools** ready where we can implement Bore well Recharge
- We will apply for **endorsement of our Projects** by Pune Municipal Corporation



DID YOU KNOW- MEMBER SUBSCRIPTION MAKES US SELF SUFFICIENT IN SUPPORTING OUR EDUCATION VERTICAL!
HERE ARE MORE WAYS TO PARTNER WITH SPECTRUM VERTICALS Assist with your Skills & Resources

Members can volunteer to conduct sessions on water literacy

With our RWH Schools

Assist our Facilitators to conduct planned activities & sessions

With our Partner Schools

Join our Funding Team to fulfill our mission to complete 25 RWH systems

We're only half way there...

REGISTER YOUR INTEREST AT THE NGO DESK AFTER THE EVENT TODAY!!



Where do we see
SPECTRUM NGO in
5 years from today?

Can we co-create
our **AMBITION** for
Spectrum NGO?



READING OF ACCOUNTS & BALANCE SHEET

**PRESENTED BY
CA KHUSHAL SHETH
&
TREASURER
SWAPNA DAMERLA**

THE BOMBAY PUBLIC TRUSTS ACT, 1950
SCHEDULE VIII [Vide Rule 17(1)]
Name of the Public Trust SPECTRUM
BPT Registration No. F-7387

BALANCE SHEET AS AT 31st MARCH 2024

Rs.	FUNDS & LIABILITIES	Rs.	Rs.	PROPERTY & ASSETS	Rs.
FY 22-23		FY 23-24	FY 22-23		FY 23-24
1,32,150.00	TRUST FUND OR CORPUS Balance as per last Balance Sheet	1,32,150		CASH AND BANK BALANCES	
	Adjustment during the year		4,05,485.60	(a) In Savings Account Bank of Maharashtra	3,57,841
21,000.00	Life Members	21,000.00	12,19,896.00	(b) In Fixed Deposits	12,85,255
1,53,150.00		1,53,150.00	-	(c) With the Trustee	-
	LIABILITIES			(d) Cheques in hand	-
48,420.00	For Expenses	-	16,25,381.60	(e) Cash in Hand	8,894
				Total Cash and Bank Balances :	16,51,990.03
14,09,336.67	INCOME AND EXPENDITURE Balance as per last Balance Sheet	14,23,811.60	-	TDS Receivable	7,270.00
	Less: Appropriations, if any	-			
14,474.93	Add : Surplus as per Income and Less : Deficit Expenditure Account	82,298.43			
14,23,811.60		15,06,110.03			
16,25,381.60	TOTAL	16,59,260.03	16,25,381.60	TOTAL	16,59,260.03

The above Balance Sheet to the best of our belief contains a true account of the Funds and Liabilities and of the Property and Assets of the Trust

FOR K V M D S & ASSOCIATES
CHARTERED ACCOUNTANTS,

CA KHUSHAL VIJAY SHETH
PARTNER
M.No. 145312
UDIN :
PIACE:- PUNE
DATE : 20/06/2024

FOR SPECTRUM


(PRESIDENT) 
(SECRETARY) 
(TREASURER)



Name of the Public Trust SPECTRUM
BPT Registration No. F-7387

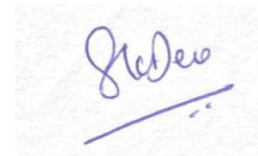
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31st MARCH 2024

FY 22-23	EXPENDITURE	FY 23-24	FY 22-23	INCOME	FY 23-24
Rs.		Rs.	Rs.		Rs.
70.80	To Establishment expenses	454.57		By Interest	
-	To Legal and Professional Charges	-	20,467.73	on bank account	27450
			43,198.00	others & FD's	72629
-	To Contribution, fees and taxes	-			
-	To Excess Provision Written off	-	11,75,000.00	<u>Donations</u>	
			2,75,000.00	Donation CSR	-
41,080.00	To Other Expenses (Sch : 1)	89,957.00		Donation Received	100000
	<u>To Expenditure on objects of the trust:</u>				
-	(a) Religious	-	2,35,000.00	By Income from Other Sources	
1,64,187.00	(b) Educational	1,51,000.00		Subscription	6,32,003.00
30,800.00	(c) Medical Relief	24,640.00	4.00	Old Provision Written Back	48420
-	(d) Relief of poverty	-		Miscellaneous Receipts	-
14,87,819.00	(e) Rain water harvesting project	5,32,152.00			
-	(f) Other charitable objects	-			
-	To Provision for Income tax	-			
2,75,658.20	To Surplus carried over to Balance-shee	82,298.43	-	To Deficit carried over to Balance-shee	-
19,99,615.00	TOTAL	8,80,502.00	17,48,669.73	TOTAL	8,80,502.00

FOR K V M D S & ASSOCIATES
CHARTERED ACCOUNTANTS,

CA KHUSHAL VIJAY SHETH
PARTNER
M.No. 145312
UDIN :
PLACE:- PUNE
DATE : 20/06/2024

FOR SPECTRUM



(PRESIDENT)



(SECRETARY)



(TREASURER)





SCHEDULE VIII [Vide Rule 17(1)]
Name of the Public Trust SPECTRUM
BPT Registration No. F-7387

Schedule : 1 OTHER EXPENSES

Particulars	Rs.
To Gift and Stationary	5,674.00
To Meeting Expenses	23,836.00
To Mobile Expenses	2,545.00
To Advertisement & Photography Expenses	8,800.00
To Professional Fees	43,070.00
To Refreshment	6,032.00
TOTAL	89,957.00

Spectrum NGO Members



EDUCATION

VRINDA JATIA KUKU SINGH SHARVARI PARASNIS
SESH RAO MANJUSHA SINGHAL

ENVIRONMENT

MOHINI KARKAREY SWAPNA DAMERLA MEENAKSHI MOOLANI

EXECUTIVE COMMITTEE

OFFICE BEARERS SHAMA DEO SWAPNA DAMERLA GAURI DESHPANDE
URMI KUMAR (IPP) SESH RAO KUSUM MITTAL HARSHA PAREKH

CO-OPT MEMBERS

INDUMATI SETHUNATH REKHA SHAH KULSUM LOOKMANJI

JOINING US NEERU GOEL KAVITA KOTHARI NILIMA MAGO NAINA KANAL
BABITA KAUSHIK MANISHA