

A Brief Note on the Project
for
GLOBAL GRANT

**DESILTING IN WATER- RESERVOIRS & RIVULETS
FOR CREATING
RAIN WATER STORAGE AND SEEPING
FOR WATER TABLE REGENERATION
IN RURAL AREAS OF
TALUKA PURANDAR, DIST. PUNE, MH, INDIA**

PRIMARY HOST PARTNER
ROTARY CLUB OF PUNE PASHAN
Club No. 55414
R.I. Dist. 3131

**Looking for a suitable
International partner club
for implementation of the Project**

ROTARY YEAR 2017-18

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1.0 Introduction ::

Lack of drinking water and that for cultivation is one of the basic problem which leads to poverty, poor health and large scale immigration to urban area . Water is the main problems faced by the underprivileged communities worldwide.

Inspired by these thoughts, it was deemed fit, to concentrate on water related project - **desilting of water reservoir / ponds and rivulets so as to recharging water table in rural area.**

2.0 Need based project identifications ::

Right from the inception of RCPP, our club has been very actively working in the rural area of Pune District.

The club has undertaken activities / projects e.g. primary school teachers training, providing basic amenities to schools in that area like drinking water, providing library facilities in such schools, to name a few .

While interacting with the community & local authorities, it was noticed that a lot of work could be done in the field of **Water Conservation**, which will have lasting impact on the society.

Thus the needs were identified on priority as under: -

- ✓ Undertake desilting of existing Water Reservoirs / ponds
- ✓ Undertake desilting of existing local rainy season rivulets
- ✓ Create Bunds on water path of rain water to allow water seepage for increasing in the ground water table,
- ✓ Facilitate community by helping them access government social schemes on bore-well and mini-dams and ensure that the benefits reach targeted beneficiaries.
- ✓ To promote rotary and enhance Rotary's image in the community.

3.0 Geographical Location of site ::

The 2 selected Villages Khalad and Chambali are located in Purandar Taluka, about 57 Kms from Pune and 8 Kms from Purandar in Maharashtra Province , and are situated on the Western Ghats, 585 Meters above sea level.

This region receives one of the lowest rain falls in western Maharashtra. The developments in the adjacent areas have not touched villages in the Purandar Taluka and the sparse population mainly consists of subsistence farmers. The rugged and hilly area is without any catchments areas & dependent only on rainwater for drinking and agriculture.

The Government of Maharashtra has designated the Purandar Taluka as a backward area & the population mainly consists of people below poverty line.

4. Project High lights ::

4.1 Beneficiaries ::

There are many needy drought prone villages in the region out of which we have selected two villages for this project , namely Khalad Village and Chambali Village. The details of these 2 villages are as under :

Relevant Data of Villages		Khalad	Chambali	Total
1	Total Area in Hectors	1260	1411	2671
2	Reserve Land in Hectors (Gairan/Forest)	0	188	188
3	Total Population in nos.	3100	3450	6550
4	Total Families in nos.	602	618	1220
5	Beneficiary Families	245	450	695
6	Beneficiary Area in Hectors	512	1027	1539
7	Desilting & other conservation work	6 No.	25 No.	31 Nos
8	Estimated Work in Cu Mtrs in Ponds	50,000	20,000	70,000
9	Estimated Work in Cu Mtrs in Rivulet			60,000

4.2 The purpose of this project Vis-à-vis Community ::

- The project will directly help in re-charging of the ground water and increase the water table around it.
- This project will make availability of drinking water within reach of villagers, make available water for fodder and help cultivation of local fruits for commercial purpose.
- It will help in water availability for local animals such as Chinkara (Deer), Wolf, Hyena and pet animals too.
- The project will also develop very good relationship with local village authorities and involve them and the community in the entire activity and the implementation of the proposed facilities will also promote rotary services and enhance Rotary's image in the community.

4.3 Sustainability ::

The selected reservoirs for our 'operation de-silting' are natural reservoirs and have been in existence for centuries. As per the senior locals, these reservoirs used to have enough water accumulated during rains and used to feed the dozens of villages around it. But in last 50 odd years , may be more, the silt from the rocky hills has slowly accumulated down these reservoirs.

Once we do the desilting, these reservoirs will get a fresh lease of life of another 30 to 50 years. This is for sure and can be proven with the desilting operation which has been taken by other NGOs at other villages.

4.4 Disposal of Silt ::

The silt so removed is not to be dumped anywhere. It is good and is used by villagers in their sandy fields for cultivation as well as for house building with local made bricks. (Cement is not used in such walls in villages).

This removed silt is in demand locally and villagers bring their carts to take it away once out on ground above.

4.5 Construction of Silt Basin ::

As per our study, the water flow / terrain during the rainy season are straight down from hills. Post execution of project, while visiting the villages to cross- check the effectiveness of desilting operations, we will study the necessity and silt basin and will spot the locations for such basins from where maximum silting flows in.

We will make the silt basin with the local material, rocks, etc. and will not be taking any support from RI. Local villagers will carry out the work under supervision.

4.6 Drinking Water :

This is an in-direct drinking-water project. It is mainly on recreating the water reservoirs as those were earlier, say more than 50 years back.

Once the rain water gets accumulated there in these big reservoirs, the water table will go up and as a result the dry wells may also get water in the villages nearby. The water will be used for agriculture & cultivation, also by animals in the jungle

5.0 Time line for Implementation ::

The selection of beneficiaries and the related spade has already been done. Hence, RC Pune Pashan expects to execute the full project in a period of about 4 months starting in January to April, 2018.

This period is beginning of summer season and there is no water in ponds, reservoirs and rivulets which will make the desilting operation faster and easier.

6.0 Estimated Cost of Project ::

Average spending of Rotary is INR 32 per cubic meter of desilting material out of ponds / reservoir and dispose off the silt to other filling areas. The budgeted cost is to be spent on selected 9 reservoirs and a rivulet in the vicinity of 2 villages over a period of 4 months .

Estimated expenses per desilting of reservoir / pond	..	INR	1.961 Million
Desilting of local rivulet	..	INR	0.858 Million
Total budget requirement :		INR	2,819 Million
		USD	43,375

Project Budget ::

Cost Head (4 Months)	INR Mil'n	USD	Particulars
Accommodation	0.040	615	Rented 1BHK House for 4 months
Equipments	0	0	None
Monitoring & Evaluation	0.060	923	Monitoring and Monthly Visit for 6 months
Operations	2.527	38,871	Sub-contract for Earth Remover and Dumpers
Personnel	0.036	554	Supervisor deployed for 3 months
Project Management	0.075	1,154	Record Keeping, Photos, communication, etc.
Publicity	0.033	500	Local publicity & news coverage
Signage	0.028	431	Stone Signage
Supplies	0.009	142	On site Water & Snacks to Workmen
Travel	0.012	185	Local travel at site during 4 months
Total Budget	2.819	43,375	

7.0 Means of Financing of Project ::

Particulars	Contribution from Clubs	Contribution from Districts	Matching by RI	Total Support
Contribution for RCPP Club No. 55414	5,250.00	---	2,625.00	7,875.00
Contribution from District Funds Dist. 3131	---	8,750.00	8,750.00	17,500.00
Contribution from Foreign Club	4,000.00	---	2,000.00	6,000.00
Contribution from Foreign District Funds	---	6,000.00	6,000.00	12,000.00
Total	9,250.00	14,750.00	19,375.00	43,375.00

8.0 Estimated Cash Flow Requirements ::

Month	INR Million	USD
November, 2017	0.265	4,077
January, 2018	0.145	2,231
March, 2018	0.950	14,621
April, 2018	1.459	22,446
TOTAL	2.819	43,375

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Project Site Photographs taken in 22nd May, 2016

