

'Only when the well is dry, does one realise the worth of water.' ... Benjamin Franklin.

AUGMENTATION OF SURFACE WATER BY GROUND WATER FROM UNCONFINED ACQUIFERS (OPEN WELLS) FIXING MINI FILTER PLANTS AND DOZING SYSTEMS FOR THE SUPPLY OF POTABLE WATER TO BELGAUM CITY Presentation by : Shri R. S. Nayak B.E. M. I. E.

City Engineer, City Corporation, Belgaum, Karnataka.

AIM OF THE PROJECT

Utilization of underground water

(from open wells) to augment

surface water supply.

SITUATION UNDER WHICH THIS PROJECT WAS INITIATED

In the year 1995 the Rakaskop Reservoir was the only source of potable water for Belgaum city.

Wells had fallen into disuse over the forty years of piped supply of water.

Rains were delayed till July 22nd

The Reservoir was completely empty.

Alternate sources of water had to be found.

Necessity for Technological Innovation .

 There are technological breakthroughs of a grand scale, as engineered by Apple, Microsoft or Sony, . . . and technological innovations of only national and regional importance.

 Belgaum's attempt at water security for all its citizens by harnessing local resources falls into the latter category. The Open Well Project represents a local initiative undertaken through local innovation to radically transform a public service to solve a local problem and benefit a Tier II city. It represents an attempt to involve various groups of people with an innovative local mindset to solve a particular problem for a local and underserved market, which without this innovation would have experienced serious supply shortage.

This effort is presented, in all humility, merely because it is a replicable effort for almost everywhere there are unmapped and untapped underground water resources. (For instance, in August 2011 an Indian Scientist discovered an enormous river below the Amazon River flowing in the opposite direction and this underground river has now been named after him ... the Hamza River).

This innovation breaks up into four separate parts.

1. Innovation in mapping and tapping underground resources. 2. Innovation in relocating and de-centralizing the site of filtration. 3. Innovation in reducing cost of production. 4. Innovation in reducing energy consumed in supply. With this innovation the focus in Belgaum has completely shifted to the rejuvenation of ancient, historical and perennially dependable sources of water.

PRELIMINARY RESEARCH

Consultation with Senior citizens regarding alternate sources of water.

Hydro-geological survey regarding water level contours above MSL in and around Belgaum city during pre-monsoon season.

Identification of old, high yielding open wells.

Removal of malba and silt and thorough cleaning of these wells.

Testing of yield and quality of water.

PARTICIPATIVE DESIGN

Design of mini filter, alum dozer, chlorinator, pumps, connection to existing network for supply of water.

Involvement of community, social organizations, N.G.O.'s, Private entrepreneurs and donors to execute the project.



MAP SHOWING WATER LEVEL **CONTOURS ABOVE** MSL IN AND AROUND **BELGAUM CITY DURING PRE-**MONSOONSEASON - 1996



LIST OF HIGH YIELDING WELLS IDENTIFIED

- 1. Open well at Veerbhadranagar.
- 2. Open well at Goods shed Road Shastrinagar.
- 3. Open well at Congress Road.
- 4. Open well at Shetty galli.
- 5. Open well at Kirloskar Road.
- 6. Open well at Shivaji Garden, Shahapur.
- 7. Open well at Math galli.
- 8. Open well at Nazar camp, Vadgaon.

09. Open well at Rayat galli, Vadgaon. 10. Open well at Polytechnic premises Kakatives. 11. Open well at Darga premises Kamat galli. 12. Open well at Khanjar galli. 13. Open well at Kasai galli. 14. Open well at Joshi Mala. 15. Open well at Teggin galli, Vadgaon. **16.** Open well at Konwal Galli. **17. Open well at Samartha Nagar. 18. Open well at PWD Quarters. 19. Open well at Alwan Galli..**

LIST OF SMALL OPEN WELLS IDENTIFIED

1. Open well at Shivaji nagar. 2. Open well at Khadak galli. 3. Open well at Gondhali Galli. 4. Open well at Yamanapur. 5. Open well at Vantamuri colony, Malmaruti. 6. Open well at Laxmi Galli, June Belgaum. 7. Open well at Margai Galli, June Belgaum. 8. Open well at Bapat Galli. 9. Open well at Harijan wada, Chavat Galli. 10. Open well at Kangral Galli. 11. Open well at Kudchi. 12. Open well at Kamat Galli. 13. Open well at Subhash Market, Hindwadi

HISTORY OF WELLS

Belgaum city was dependent on well water before commencement of Rakaskop scheme.

Most of these wells were constructed before and during the British Raj almost 100 to 200 years back.

Dr. M. Vishveshwarayya who designed the Rakaskop Scheme had mentioned in the Preamble to his Report that Belgaum water supply can be maintained by a chain of wells. The 'Congress Well', then known as 'Pampa Sarovar', was constructed in 1924 during the Congress Party's historic convention which was presided over by Mahatma Gandhi.

Cost of construction of the well at that time was Rs. 4370 and 3 annas.

This well supplied water to lakhs of people who had assembled for the Convention.

The well at Veerbhadra Nagar was constructed by the British in 1908 and has a water column of 100 feet.

The source of water for this well is a stream coming from nearly 5 kms away between two trap rock layers and opening at this point.

Three wells were constructed at this place and are connected by a tunnel which is six feet in height. The well at Shetty Galli was constructed by the British in 1885. The well is perfectly rectangular in shape and the dimension of the well is exactly the same both at the top and the bottom (in mm).

The well at Math Galli was constructed by the British in 1883. The Fire Station was located near this well.

The well at Kirloskar Road is a high yielding open well centrally located in the city. The Borough Municipality was supplying water from this well by constructing a small overhead tank. The well at Goods Shed Road was constructed by the British and has a water column of 90 feet.
It was observed that almost all these wells were surrounded and protected by a layer of laterite.
Our survey was assisted by several Senior Citizens who reminded us of the central principle of Gandhiji's economic philosophy -

'Use local rsources for local needs'.

This was an appropriate starting point for us.

Operational Procedure.



Quality Testing

Physical, Chemical and Bacteriological analysis of water samples are carried out periodically by KUWS & D Board in their laboratory and results are found to be "highly satisfactory".

NATIONAL INSTITUTE OF HYDROLOGY HARD ROCK REGIONAL CENTER BELGAUM

GROUNDWATER STUDIES IN BELGAUM CITY

As a part of the regular work program of National Institute of Hydrology, Regional Center groundwater investigations in Belgaum city were conducted. Six wells were monitored during Pre-monsoon and Post monsoon season in the year 1995. Apart from that pump were conducted in some of the wells which are presently selected for water supply by Belgaum municipal Corporation. Based on that it is found that the Transmissivity and specific yield are considerably high in Tilakwadi (congress well). The variation it found in selected wells were between 74 m²/day to 195 m²/day. However, normal transmissivity in Belgaum 20 -30 m²/day. Based on the study for this particular region, it is found that these wells can supply water for at least another 50 years. It is very important to keep the environment around well suitable for recharge. Precautions also should be taken to see that at any time discharge should not go above the recharge.

B. K. Purandara

Scientist 'C'

HARD ROCK REGIONAL CONTRE-NATIONAL INSTITUTE OF HYDROLOGY HANUMAN NAGAR, RACE COURSE BELGAUM-590001 Physical, Chemical and Bacteriological Analysis Results of Tilakwadi Congress Well Water Samples

SI. No	Characteristics	Result of Well water sample	Result of filter water sample	Acceptable Limit	Cause for Rejection	REMARKS
		9.5.2008	9.5.2008	9.5.2008	9.5.2008	
1	Turbidity (NTU)	2.2	1.2	1.0	10.0	
2	Taste and Odour	Un- objectionable	Un- objectionable	Un- objectionable	Un- objectionable	
3	pH	6.60	6.7	7.0 to 8.5	<6.5,>9.2	
4	Total dessolved solids (mg/l)	220.00	220.00	500.00	2000.00	The second
5	Total hardness (as CaCo3)(mg/l)	118.00	118.00	200.00	600.00	
6	Chloride (as Cl) (mg/l)	46.00	46.00	200.00	1000.00	
7	Sulphates (as So4) (mg/l)	17.30	17.3	200.0	400.00	
8	Alkalinity (as CaCo3) (mg/l)	103.00	100.00	200.00	600.00	
9	Magnessium (as Mg) (mg/l)	7.80	7.80	<30	150.00	
10	Calcium (as Ca) (mg/l)	34.5	34.5	75.0	200.00	

Assistant Executive Engineer K.U.W.S. & D.Board, Sub-Division, Belgaum.

TYPICAL ARRANGEMENT FOR WATER TREATMENT PLANT



6.0 ASSEMBLY, INTERNAL FILLING AND OPERATION DETAILS FOR SAND FILTER WITH SIDE MOUNTED MULTIPORT VALVE















Adding beauty to utility . .





SUCCESSFULLY COMPLETED PROJECTS WITH MINI FILTERS AND DOZING SYSTEMS

Sr. No.	Name of Work	Donated by	Water supplied to population
1	Mini filter units fitted to open well at veebhadra Nagar	Rotary Club Amwell England	12000
2	Mini filter units fitted to open well at Goodshed road Shashtri Nagar.	Indal Factory	10000
3	Mini filter units fitted to open well at Shetty Galli.		10000
4	Mini filter units fitted to open well at Navagraha Temple Kirloskar Road.		12000
5	Mini filter units fitted to open well at Shivaji Garden – Unit 1		
6	Mini filter units fitted to open well at Shivaji Garden Unit - II		12000
7	Mini filter units fitted to open well at Congress Well Tilakwadi.		10000
8	Mini filter units fitted to open well at Math Galli		12000
9	Mini filter units fitted to open well at Rayat Galli.		8000
10	Mini filter units fitted to open well at Polytechnic Compound Kakatives.		8000
11	Mini filter units fitted to open well near Darga @ Kamat Galli.		10000
12	Mini filter units fitted to open well at Khanjar Galli.		8000
13	Mini filter units fitted to open well at Teggin Galli, Vadagaon.		8000
14	Mini filter units fitted to open well at Konwal Galli		8000
15	Mini filter units fitted to open well at Nazar Camp, Vadagaon.		8000
16	Mini filter units fitted to open well at Joshi Mala		4000
17	Mini filter units fitted to open well at Samartha Nagar		3000
18	Mini filter units fitted to open well at PWD Quarters, Gandhi Nagar (2 Units)		10000
19	Mini filter units fitted to open well at Alwan Galli		3000
	Total		156000

SUCCESSFULLY COMPLETED PROJECTS WITHOUT MINI FILTERS AND DOZING SYSTEMS

Sr. No.	Name of the Work	Donated by	Benefited population
1	Open well project at Shivaji Nagar	Rotary Club South Belgaum	3000
2	Open well project at Khadak Galli	Rotary Club South Belgaum	2000
3	Open well project at Gondhali Galli		3000
4	Open well project at Kangral Galli		2500
5	Open well project at Yamanapur	Indal	3000
б	Open well project at Vantmuri Colony Mal Maruti.		1500
7	Open well project at Laxmi Galli, June Belgaum.		2000
8	Open well project Margai Galli, June Belgaum.		2500
y	Open well project at Harijan wada, Chavat Galli		3000
10	Open well project Kudchi.		3500
11	Open well project Bapat Galli		3000
12	Open well project Kamat Galli		2500
13	Open well project Subhash Nagar, Hindwadi		2000
			33500

Punar jeevan – A Rebirth

- Thus, the local potable water needs of as many as 1,55,000 citizens of Belgaum are now being supported through local resources - - the 15 revitalized communal wells.
- In addition, the local water needs of 33,500 citizens are being supported by the local resources available at 13 small, revitalized communal wells through public stand-posts.

Belgaum City Corporation is the only Urban Local Body to have successfully implemented such a project, and to have supplemented the water needs of as many as 1,89,500 people out of its population of 5 lakh people, (almost 38% of its population).

The Wider Picture

- From the early 1990's, the 'Earth Summits' have emphasized the criticality of basic resources of our planet and the delicate balance of life forms and these resources. As a nation we are committed to reduce our 'Carbon Footprint'.
- Pumping urban water supply to Belgaum city from a source 52 kms away, up a steep incline to the purification works and then delivering it to various parts of the city is highly energy intensive.
- In contrast, lifting water from a local well just a few metres to the surface has reduced the carbon footprint of Belgaum's urban water supply considerably.
- We are evaluating the feasibility of installing Solar Pumps at these wells to reduce electricity consumption further.

The Longer Term. Sustainability

 The sustainability of these wells comes from a simple hydrological fact that these wells are fed by funconfined aquifers' and a continuous flow is ensured by the excess recharge of ground water, (by rain water), percolating through the laterite layers and leading to a process called an finterflow'.

 The local office of the National Institute of Hydrology has certified that this will ensure the sustainability of these wells for at least the next 50 years.

Stake Holder Participation

- Recognising that the *'sine gua non'* (i.e., 'without which nothing') for the success of a community project is stake holder participation, it was decided to urge the local communities, through local leadership, to adopt the project.
- First, a house to house education campaign was undertaken to involve youth in cleaning the old wells of accumulated debris.
- Housewives were persuaded not to dump any more garbage in the wells and garbage collection points were established near the wells.
- Alternate sites were identified for Ganesh Idol immersion.
- Local leaders went from house to house to drink the first glass of water and assure the people of its potability.
- Today, there is wide spread acceptance of the Scheme because of the active involvement of the local community.

ECONOMICS OF THE SCHEME

Mini filter plant with 50,000 LPH filtration capacity can supply 4 lakh litres of water per day. (8 hours pumping)

Expenditure for electricity Rs. 152 Per day. Expenditure for chemicals Rs. 55 Per day. Expenditure for labour Rs. 100 Per day. Total Rs. 307 Per Day.

Cost of production :-

- 307 / 400000 X 1000 = **Rs. 0.76** / per 1000 liters **Cost of production of surface water :-**
- Rs. 10.50 per 1000 liters (Domestic Subsidized)
- **Cost of production through tanker :-** 300 / 3000 X 1000 = **Rs. 100** / per 1000 liters
- **Recovery of Investment**
- 4,00,000 X 30 / 1000 X 10.50 = Rs. 126000 per month Cost of Project : Rs. 5,00,000
- **Project Cost can be recovered within 4 Months**

Comparative Cost

Name of the Project	Initial Cost of Project. (Rs.)	O & M cost of each unit/year (Rs.)	Benefited Population	Cost pe (R Initial	er head. (s.) O & M
Open Well, Mini Filter Project	(19 * 5) 95 lakhs	1,10,520	1,56,000	60.89	13.46
Hidkal Surface Water Scheme	70 crores	29 crores	5,00,000	1,400	580

BENEFITS OF THE SCHEME AND SITUATION AFTER IMPLEMENTATION OF INITIATIVE Ground water which is readily available locally in plenty can be utilized in a proper way.

Cost of production is very minimum compared to surface water supply and tanker water supply.

Savings in energy charges.

Wells and aquifers recharged due to regular use.

Underground water table remains clean.

Savings in amount spent by local body on drilling of bore wells and supply of water through tankers during scarcity.

Potential for replication

In the past townships used to be developed wherever there was plenty of ground water. People all over India used to crucially depend on open well water before Independence.

Unfortunately, the attention of Public Authorities shifted from these dependable, locally available sources of water to distant supplies of surface water which have proved to be seasonally variable, more expensive to harness and involve more energy consumption.

It now emerges from our efforts that those wells that had been abandoned after surface water schemes were implemented, could be rejuvenated, after conducting hydrological surveys and knowing the exact yield and sustainability. The benefits flowing from the rejuvenated wells could be passed on to succeeding generation and a clean natural resource harnessed for all time to come.

The local water needs of the people can, to some extent be met at a very reasonable cost. However this source can only augment, not substitute, the main source of water supply to cities. **APPRECIATION FROM PRESS AND PUBLIC Project** is well accepted by the public since water is available on local demand The scheme is appreciated in State **National level Newspapers like Times of** India, Indian Express, Hindu, Deccan Her Prajawani, Kannada Prabha, Vijay Karnataka, Samyukta Karnataka, Tarun **Bharat, Pudhari, Sakal Etc.**

An appreciative article features in the we site:

www.indiatogether.org

The Hindu 20th March 1996



Putting unused wells to effective use

From Shrikant R. Mangalwedhe

The Belguum Corporation base turned to old and neglected open wells in an effort to bridge the big gap between the city's water demand and acply.

7 This was inavitable. The city is fast expanding und has already developed intra rable inservopolia. Its solutions climate and location have poople to induct to the city. Belgium have a population of 4.5 Belgium location have a logalithm of 4.5 Belgium location in the isometry of the solution of the solution of the ball fits requirement of about 1.1.5 belgium.

Supply has never kept pace with the evernowing demand. This has led to the exploitsion of groundwater through issuewells. Along with the poor urban waste management and keying system, this had led to the contamination of the equiler. This is evident in areas near Kapleshwara temple. Mai-Marut, and the binks of Bellory nalls. But the officials confirmed have turned a Netion's eye to the prehage probably, because of their own limitations. Problems faced --

The Third Stage Water Supply Scheme of the ity with Hidkal dam as source, was taken up by he Karnataka Urban Water Supply and Drahreboard (KUWS&DB) in 1994, at an estimated still of R. 25.60 cores. However, because of its arity progress, the civic body is not in a constrebbe position as far as water supply is conterned. No cone is quite much when the Southernebba sources will start flowing to the city then Hidkar cost start in C. M.

(There are a few other problems too. One of behindrikes to the dependentiality of the surver of water. Yor, while the reserver at Eathemaker, he present source of water for the city, receives he dry weigher frow even during the drought sears. Hidkal does not have this advantage. The upply from Ghutaprobha source is bound to utfer during the intense drought years.

The town has the example of Hubli-Dharwad i go by, Hubli-Dharwad suffered due to water hortage despite abundant availability from Nadutrtha reservoir near Soundart. The Mala-

proble waters never reached the twin cities fully, thanks to the formers tempering with the pipes all along the pipe-route. The Ghotoproble pipeline may suffer similarly.

The city Corporation is genering up to tackle the water shortage in the coming months of summer. A water cut — supply only on alternate days — has already been introduced. When the authorities were considering alternative water sources to tackle the possible situation in summer, some old numed wells cought their attention, but they were not sure how to put them to une once again.

At about the time the Corporation authorities were examining one axis well a year ago, an expert on water remainees, Dr. A. G. Chardnell, Principal Investigator of the Gon Universitybased Regiv Gandhi National Drinking Water Mission, was visiting Belganam. He had come to the city along with bis students on a project cuiled Deignam water supply from all non-ces. The city Corporating bakes Dr. Chrished to undertable field testing to find out the possible yield and the quality of water, in open wells in the city.

Study undertaken #

Dr. Chatchadi atudied the ground water recharge and storage capabilities of the under the potential of open wells bianed by the city Corporation and private parties. He recorded in his report the great potential of groundwater and the hum quality and sold this could help augment the supply by about 40 per cent. If used in a actedimentation, The source is not only safe but also dependuble? The source is not only safe fund that due to the.

Sixtome open wells in different ereas have been identified. Each is ergoble of enterthing to a minimum of 10,000 people. An estimate says that if all these wells are to be put to use, connecting them in a network after purifying the water, it may cost about 88, 40 lakhs. The Corporation has decided to take up work on three wells initially — the Explosion working the three "Congress well" and the well on the Goods Shee Road.

Providing a mini-filter unit with a capacity to filter \$0,000 litres per hour, pumps and power lines would cost 18, 2,75 lakks. The filter unit consists of a pressure filter, alum doser and chlorinator.

The Kapleshwara Theerthu is a 100 fb X 100 ft, well, hebind Kuplich wara temple, the object in the city. The temple is mantioned to a 1204 AD inscription at the Kamal final time facts in the Puramis, Phyrines returning from Kasi take a both in the water from the Theertha in they believe the Puray's of Karl Yotra can be obtained only after having a both in Kapileshwar Theertha.

The Kuplicslown Theorthin can store about 12 lakin https://water, which can be supplied at the rate of 4 lakin gallons a day to the aroan of Mahadwar Rond, Shestri Negar, Sant Scan Marg, Shyama Promad Makharjae Rond and Kapileth wur Colony.

The work of cleaning the well began in the last week of famiumy and took a whole week as they had not been used for long. Cleaning the peat/humus from the well, which has posed problems, has been going on since. Work is nearing completion and water supply is likely in commence in a fortuight. The mini fifter plant has been installed.

Water in the renovated 'Congress well' is not contaminated, The well was suck for supplying water is the venue of the Congress sension in 1924, presided over by Mahutum Gamihi, The starage capacity of the well is about 60 table litras and 0, can supply water to about 15,00m people in the array of Thiskword, SV Colony, Marutha Colony, and Scheme No 13.

There is a proposal to put to use the well to Veerablandra Nagar. The Rotary Club is considering granting lunds.

Thunks to the efforts of the city Englineer. Me Gururao, the Assistant Executive Engineer. Me Naik, the Deputy Commissioner, Mr. Frader, Singh Kharola (who was also the Administrator of the Corporation a couple of months ngo) and the Corporation Commissioner, Mr. D. B., Nayak, the oil wells must save memory Beforemis, there

The Belgaum City Corporation Is now Implementing, with great success, a water supply scheme proposed decades ago by Sir M Visvesvaraya, writes PADMARAJA DANDAVATHI

ATER scarcity is now a problem round the year and not just in summer. In recent years, the only solution everybody seems to opt for is to sink more and more borewells. In the '80s, Abdul Nazeer Saab, who was the rural development minister, ensured drinking water for people in many drought prone areas by sinking borewells on an unprecedented scale. But now wo find that the borewell solution is counterpreductive in the long-run.

Borewells

Owing to indiscriminate sinking of borewells, the groundwater table has gone down so drastically that in many places, water cannot be struck at depths of less than 500 feet. While groundwater resources are fast depteting, the increase in the population is making water scarcity an endless problem.

While borewells may still be viable in many rural areas, it is clear that they cannot be a solution to water scareity in urban areas, where there are limits to the number of borewells that can be sunk without greatly lowering the groupidwater table. Only permanent water sources like takes and rivers can meet the water domailed in urban areas.

However, owing to industriglization and population growth, many urban water supply acticines, which were executed some years ago, have become inadequate, prompting the water supply authorities to plan and exbeute more and more projects to lift water from lakes and rivers. Such schemes involve a lot of expenditure. Is there an alternative schemes of this nature? The Belgaum city corporation has found such an alternative, which has not been tried anywhere else lit the state.

Saveral decades ago, Sir M Visvesvaring?: who had drawn up a blueprivit 67 a delinking water aupply scheme for Belgaum several decade's ag⁵, had auggested that the elity's demand for water could be met by finking a sorios of open wells in the tity. At present, Belgaum get's most of its drinking wat's from the Rakkasakuyga reservoir, some 23 km frith the city. If the reservoir, white's gets water from the



The filter unit at Kapila Theertha in Shahpur locality in Belgaum

Markandeya river on the Maharashira-Karnataka border, fills up after the monscon rains, it can meet the drinking water requirements of Belgaum city for six months. The reservoir was built over three and a half decades ago at a cost of just Rs 74 lakh.

The reservoir

Since the Rakkasakoppa reservoir meets the water needs of Belgaum for only six months, a Ra 25-crore project was started five years age to lift water for the city from the Hidkal reservoir across the Ghataprabha river. Over the last five years, the cost of the project hus escalated to Ra 48 crore, and going by the progress in the project so far, it seems it will not be completed before the end of this century.

So, Belgaum City Corporation officials are trying the alternative that Sir Visvesvaraya suggested decades ago.

Belgaum is known for heavy rainfall of the kind that occurs in Malnad, though rainfall in the city has been poor in recent years. There are wells in the backyards of most old houses and also at many public places.

These wells used to have water not only in the rainy season but throughout the year. Old residents of the city recall times when the water levels in the wells used to be so high that they could take water from them without the help of a rope.

But after they got used to piped water, the people forgot the old wells. The unused wolls naturally turned useless and people started using them for disposing of refuse.

The city corporation has now worked out a project to desilt and clean up these wells. lift water from them, purify and supply it to the people through the regular water pipes.

Kapila Theertha

In Shahpur locality of the city, there is a water source called Kapila Theotha, which has two big wells with a depth of about 30 feet.

The city corporation authorities, have now set up at Kapila Thirtha a small filter unit with an alum douser and a chlorinator, and are lifting 4 lakh littees of water per day (at the rate of 50,000 littes per hour for eight hours) and supplying it to about 15,000 to 20,000 people in the neighbouring areas.

Water saved

Thanks to the Kapila Theertha project, the authorities are able to save 4 lakh liftes of white at the Rakkasakoppa reservoir everyday, according to Corporation Commissioner D B Naik and Water Supply Division Engineer R S Naik.

Besides the Kapila Thirtha scheme, the authorities have already salvaged another well at Mathagalli and are supplying water from it to about 15,000 people.

Similarly, a water filter is being set up at a well in Veerabhadranagar near SP's office in association with the Belgaum South Rotary Club. Water filters have already been procured from New Metalica Industries of Satara for installing them at wells in Shetti Galli, Kiroloskar Road and Nazaara Camp.

these schemes at its own cost, the Corporation is looking for private parties to sponsor them.

There are 16 major wells in the city, and if filter units are set up at all of them at a cost of about Rs I crore, it will be possible to increase the water availability in the city by about 60 lakh litres, which is about one third of the quantity of wat " now being lifted from the Rakkasakoppa reservoir.

Timely solution

As long as the project for lifting water from the Hidkal reservoir is not completed, water scarcity is bound to continue in Belgaum. So the programme of salvaging old wells is timely, and is likely to prove to be a reliable water source even in the long run. Belgaum seems to have shown a way to many other cities and towns which are also sufficing an acute water shortage.

(Translated by MR)

Deccan Herald, October 19, 1996

The Hindu, 17th June 1997 Belgaum heading for major water crisis

MLTB By Our Staff Correspondent BELGAUM, June 17.

The delay in the arrival of monsoon has caused anxiety in Belgaum due to prospects of ficute shortage of drinking water. Water-level in Rakkasakoppa reservoir, the main source of water supply to the city, is fast depleting. The level was 2451.05 ft., just 3.05 ft. above the dead storage level today. Despite the reduction in supply, the level had been receding at the rate of 0.20 feet daily.

The situation will be alarming if the reservoir drigs up by this month end and monsoon fails. More C.Y.Gokak, engineer, who visited the reservoir, said, "the soil was somewhat wet on Sunday. But, on Monday it was dry. No clouds were seen either. In contrast, last year, the reservoir had started getting filled when the flow of water into it had begun on June 11, after rain in its catchment area".

The water supply was reduced from seven mgd to six mgd from June 3 and again to five mgd on June 15. Water was being supplied once in three days from June 15 instead of on alternate days.

This is the third time in the last five years, the city is facing such a situation. In 1995, the

shortage was so acute that for the first time, the arrangement of water supply once in three days had been introduced from June 1 that year. Earlier, in the same year, the system of closing the supply twice in a month had been introduced from March to conserve water. The reservoir had dried up. However, rain lashed Rakkashkoppa when all arrangements to pump water from dead storage had been made on July 13, bringing relief to the people.

In 1992, the shortage of water was felt in the last week of May. The reservoir had dried up. This continued till the third week of June, when the monsoon set in.

Water scarcity in June has become an annual feature in the town. Every year women's organisations take out protest processions to the Belgaum City Corporation office. However, this year there had been no such demonstrations so far.

Mr. R.S.Nayak, Assistant Executive Engineer in-charge of the water supply, said the requirement of the town with a population of 4.5 lakh population, is about 13.5 Mgd, at the rate of 30 gallons per capita, which is the standard fixed by the World Health Organisation. But, against this, the city gets just seven mgd during normal period. This was slashed to six mgd in the beginning of June and there had been further cut, bringing It to five mgd.

No tankers had been engaged this year and not a single borewell had been drilled in the city by the Corporation. In 1992, more than 15 private tankers were pressed into service for about 20 days, starting from May 24. In the same year, 75 borewells were drilled. In 1994-95 146 borewells were sunk. In 1995-96 and 1996-97 97 (including those sunk by the Corporation and other agencies) 97 and 62 bore wells were drilled respectively.

1- march inter

But despite no tankers being pressed into service and no borewells drilled, there had been very few complaints this year. This was because the groundwater supply was augmented. Old public open wells were identified and cleansed. Mini filter units were fitted to them. This was the first such experiment in the State.

At present, water was being drawn from five such wells - Kapileshwara temple well, ones in Mathgalli. Sheitygalli. Veerabhadra Nagar and the Navagruha temple. Two more at Raithgalli and Nazar Camp in Vadgaon would be commissioned shortly. Each mini filter plant had cost Rs. 3.5 lakhs, including creation of infrastructure and is capable of catering to the need of about 15,000 population, in about 15 lanes or in other words, area covering two wards.

The Hindu, 28th June 1999

Old wells cleaned, rejuvenated in Belgaum

By Our Staff Correspondent

BELGAUM, June 28. Belgaum is facing its worst water crisis with scanty rains recorded in the catchment areas of the Rakkasakoppa reservoir, which is the main source of water for the city. But for the old wells in the city, the problem would have been very serious.

The Belgaum City Corporation had cleaned some public wells and even fitted pumps to them to augment the water supply. It all began with the civic body initially taking up work on a 100 feet diameter well behind the Kapiteshwara temple in January 1996. The well was desilted, cleaned and fitted with a mini-filter unit with a capacity to filter 50,000 litres an hour. Pumps and powerline were installed at a cost of Rs. three lakhs. The well yields about 60 takh litres, cutering to the need of nearly 15,000 people in the area.

The Kapila Teertha was rejuvenated at the end of April, 1996. Its success inspired the Corporation to take up similar projects. Eighteen open wells were identified. Two more old unused wells in Math Galli and Verabhadra Nagar were put to use,

In 1997, another four wells at Sheity Galli, Navagraha Temple, Nazar camp and Raitha Galli (both in Vadagaon) were added to the list. Two such wells at Good Shed Road and at Konwal Galli were cleaned this year. The mini filter units installed at these wells are awaiting inauguration.; So far nine wells have been put to use. Another two — the Congress Well in Tilakwadi and another at Shivaji Garden in Shahapur — are likely to be added to the list by this year end. Cleaning each well and providing it with a mini filter, plant requires Rs. three lakhs. Each well can cater to the drinking water requirements of nearly 15,000 people.

Although there was paucity of funds, which could have slowed down the work, some agencies came to the Corporation's help and ensured that at least a few of the identified wells were put to use in three years.

Mr. Pradeepsingh Kharolu, when he was the Deputy Commissioner, had released funds for the work on the well at Navagraha Temple. The Rotary Club, Belgaum, and the Indal factory provided funds for the wells at Veerabhadra Nagor and Good Shed Rond.

There were some public wells, which were not big, but had a good yield of water that could cater to the surrounding locality. The Rotary Club of Belgaum South chalked out a plan to rejuvenate these wells. These wells needed cleaning and a mesh cover, a pump and a stand post had to be installed.

The Club identified water scarcity and lack of sanitation for school children as the problems that required immediate attention. The Club made a humble beginning by providing water facility at two schools, making use of the wells in their premises.

The Club found a partner in the Rotary Club of Amwel, England, to cosponsor a project. The Rotary Club of Amwel, England, was willing to donate \$5,000, if the project was registered under a matching grant scheme of the Rotary Foundation. The scheme envisaged the two partner clubs each sharing 25 per cent of the project cost and the Rotary Foundation giving the remaining 50 per cent.

The project, estimated to cost Rs. nine lakhs, was approved by the Rotary Foundation in 1995-96, under which 15 drinking water facilities, covering 45,000 people in Belgaum and surrounding areas. The project was inaugurated, in November 1996 with taking up a work at a well in Veerabahdra Nagar. The well was connected through tunnels by two other small wells.

All the three wells were cleaned, their walls were raised and they were covered with a mesh to prevent people from throwing garbage into the wells. A mini filter unit was installed and it, was connected to main line in the city, providing water supply to 25,000 people. The President of the Rotary Club, Amwel, attended the handing over function.

Mr. V. H. Deshpande; chief of the project committee, said the Club had completed the work on 15 wells, fitted them with a pump and stand post. These wells are situated in Jere Galli (Anagol). Khadak Galli, Shivaji Nagar, Gangwadi (Malmaruti Extension) in the city and Jyoti Nagar. Vijaynegar, Halaga, Mutyanatti, Mandolli and Bhevani Nagar on the outskirts of Belgaum.

The Club is handing over these inclitties to the Corporation tomorrow

British wells come to the rescue of Belgaum City

BY NAUSHAD A BUAPUR

Belgaum, June 2: Experts on water management believe that Bolgaum City will never again face water scarcity if the authorities do not mess up with the existing system which happeus to be one of the best in the State.

Although the scorehing sun has increased the demend for water here, the rich water sources like the Hidkal reservoir, nine repovated British wells and the Rakkaskop reservoir, which supplies water to Belgaum, have kept people away from the drought scare.

With the recent impleimentation of the third stage Hidkal project and the venovation of nine of the British wells in the City, the water needs of the people here have been met.

According to experts, a large number of people can depend on nine of the Britisb wells which have been renovated.

"Even though water levcl recodes in both the reservoirs, the British wells are capable of supplying water to lakhs of people in the city. Authorities should keep these wells in good condition to help people fetch clean water from it," an expert added.

RS Nayak, a corporation engineer, has been instrumental in 'discovoring'



The Indian Express, June 3, 2003

Pumpsets installed after renovating an old well constructed by the British in Shivaji garden, Belgaum, decades ago — Express photo

these wells a few years ago. He says "around 17 wells constructed during the British regime had 'disappeared'. Many of these had turned into garbage dumps".

Through his relentless efforts, nine wells were desilted and put to better use with help from the Rotary International.

"Foday, at least 15,000 people can fetch water everyday through each of these wells in the City," he says, Presently, water from these wells is being supplied to many areas of Belgaum through corporation pipelines.

Without any alternative water source other than

> Rakkaskop, Belgaum was facinga crisisa few years ago.

As the chief of the Water Supply Department in the City Corporation, Nayak took up a geo-

logical survey to ascertain the direction of the flow of groundwater in the City.

With assistance from NGOs, Nayak got nine of the high-yield wells designed, got mini filtors, ahun dozers and chlorinators installed to the wells. Presently, water is being supplied non-stop to many areas through these wells, he says.

"If all the 17 wells are put to use, I am sure water from these wells will be enough for the people of this city. There is no need of any other water source." he said.

Water scarcity in many areas has never been felt since the time water from these wells started flowing through the corporation pipelines in 1998. Most of these wells were renovated by Nayak. Water is available in plenty here and hence the Corporation has stopped supplying water from Rakkaskop reservoir reserving it for omergency. However, the supply from Hidkai reservoir and nine of the wells is continuing.

Seven other wells constructed by the British are yet to be cleaned. The cleaning of these wells came to a standstill with the transfer of Navak from the Water Supply Department in 1999.

The City, however, faces water scarcity attimes due to leaks in the old pipelines laid in parts of the City many years ago. According to the authorities, efforts were made to get these pipes replaced. If the present water sources are utilised properly, Belgaum will never face a water crisls in future,



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water supply comes from these local wells alone, . Printer friendly version leading to precious cost savings that have paid back the revival expenditure long ago. Shree Padre reports.

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Regulation

4 December 2006 - Most of the citizens at Belgaum know 'Congress well' though it was abandoned till recently. In 1924, Congress party's historic convention held here was presided over by Mahatma Gandhi. This well was dug for that occasion. At that time, it cost Rs.4,370 and 3 annas, and it was supplying water to half of the city. But once the tap water was introduced, this well, like scores of others in the city, turned into a dustbin. Recalls M K. Hegde, senior reporter, Kannada Prabha*, "Later it had earned notoriety as a 'suicide well'. There was lot of wild plant growth around; also, goondas used this area as their den. Gentlemen were scared to come near."



Congress well now brimming with water. Fic: Shree

If you visit this place now, there is no tell-tale indication of the past deterioration. The well is full with water. A beautiful garden around. Water level remains just 2-3 feet below the ground in monsoon. It falls to six feet in May, that's the peak summer.

This is not a solitary case. Belgaum Corporation, in the last one decade has revived 16 big and 21 small

dug-wells in two stages. It cost about Rs.2.75 lakhs each for the big wells for cleaning and subsequent water supply arrangements such as installing a motor, fibering unit etc. To save costs, overhead tanks were not constructed to push down water at pressure. Water is supplied to the areas wherever it can reach by gravity. Today, 16 per cent of the water needs of the city are met by these wells.

Reviving water independence

Belgaum's well revival campaign started in 1995. Monsoon that generally begins in June first week hadn't started even in the third week. The Rakoscope reservoir that supplies water had dried up. Frequency of water supply to the city fell to once a week from the earlier three days. At this juncture, people and administration started hunting for alternative water sources. They recalled the old wells which at a time were the only sources that fed water to the whole city.

An expert committee led by Dr Chachadi, Head of the Department, Geology, Goa University studied the viability of revival of these wells had given an encouraging report.

The conditions of all the wells were pretty distracting. Each one had silt of 8 - 10 feet. This was the result of immersing Ganesh idols in the well every year. Added to that, the residents used these as dumping pits. And unlike desilting of tanks, well desilting posed a challenge. Silting of tanks is done with polkline machines. These machines cannot get down into the wells nor do their arms have the reach the inside of a well. So wells can't be desilted with machines as with tanks. Doing it manually was the only option. But a new problem arose. None of the workers could stand firmly in the lose silt. Engineers were in a fix.

In 1964 population of the city was 1.5 lakh. Now it has risen to 5.5 lakh. Out of the daily supply of 12 million gallons of water, combined contribution of these revived wells is 2 million gallons.

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Seeing the work come to a standstill, a locally known rowdy came to the fore. As per hi suggestion, a top-open barrel was used to send him into the well. He climbed the barrel in a upside down position as it was being let down by a bunch of people with the help of rope an pulley. After touching the silt, some portion of the barrel got sunk. 'Now send me a bucke from there', he advised. Then, standing firmly on the barrel platform, he filled the empty bucket with silt. Lo, a local 'technology' had evolved!

The city corporation started acting quickly. Local organisations like Rotary and Inda Aluminium Company also joined hands in the revival task. Luckily, none of the well wate was contaminated. Once the desilting was done, providing filters, chlorinator and alum-dose were the only required safety measures before distribution. An alum-doser releases sma doses of alum into the water to reduce its turbidity, to settle down any dust or other particles.

Reaping the benefits

In 1964 population of the city was 1.5 lakh. Now it has risen to 5.5 lakh. Out of the daily supply of 12 million gallons of water, the combined contribution of these revived wells is million gal loons.

Today, in about 8 hours pumping, each of the big wells provide 4 lakh litres of wate everyday. "We have carried out recuperation tests in these wells. It takes about eight hour for them to refill. That means, if need be, we can go upto a maximum of 16 hours pumping Moreover, in summer none of these wells dry. In fact, decrease in the water level from monsoon to summer is very minimal," says R S Nayak, Assistant Executive Engineer Belgaum Corporation who is one of the masterminds behind this campaign. One big wel caters to 1000 citizens while the smaller ones serve 500 people a day by supplying 1,50,000 litres.



Banashamkari Theertha, constructed in 1885, one o the big revived wells. Pic: Shree Padre.

The quality of well water is also superior to the surface water that is supplied from far away. It is naturally filtered water that oozes out from the sub-

WELLS FOR THE WELL - BEING Writes : Shree Padre in www.indiatogether.com

soil everyday.

Rakoscope reservoir is 22 kilometres away from Bolgaum city. Hidkal dam, from where additional water supply started later, is 45 kilometres away. Monthly electricity charges for pumping water from Rakoscope is Rs.20 lakh while that of Hidkal dam is Rs.1 crore! Compared to this, the wells require about Rs.60-90,000 for the same period.

Interestingly, nowhere in the vicinity of the revived wells, the corporation has had to dig new bore wells thereafter. Earlier, every year, it had to dig one or two in each ward. The total expenditure per annum for this was around Rs.35 lakh. Added to this was the expenditure for providing tanker water. Usually, from February, the corporation was spending in the range of Rs.20 lakh a year for this. Tanker owners typically charge Rs.400 for supplying 3,000 litres. At this rate, each one of the big wells are saving Rs.54,000 rupees a day. Going by that, the expenditure for the revival of the wells was repaid well within a week's time.

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At Kudachi, in the outskirts of the city, the corporation has revived another very old well which probably is more than 300 years old. Nobody in this village knew that there was i filled up well here. The only indication of a possibility was a huge stone water trough used to provide water for horses. Only one old man of this village had always been recalling that there was a well here. But nobody had taken him seriously though there was persistent wate shortage. While digging with polkline, stones used for wall construction of old wells were noticed. Yet, the corporation officers weren't very sure that they will strike water. Yet, the carried on. Today this well is the only water source that supplies to the 800 families around While cleaning, even after 8 hours pumping with a 7 HP motor, the water level hadn lowered much!

"Now we are not worried even if sapply from Hidkal gets interrupted. No festival in this cit is now affected by water shortage. In fact, these wells are a great blessing," mays out M Channppa Gowda, the Commissioner of Belgaum Corporation, with pride.

There's more

However not all wells that could be rejuvenated, have been. A high capacity well is st under the soil near Huthathma Chowk, opposite Kaveri cold house. It was named as 'bar gadgad' because twelve pullies were fitted to it. Recalls auto driver Parashuram Kamble, have seen it when I was a young boy of twelve. Families from around one kilometre vicin: were coming here for water. Till midnight, the pullies were making noise." In 1978 this w was deliberately filled up; it was around seventies that the culture of digging new wells car to a halt in Belgaum. Reason? When tap water was introduced, there was only lukewas response to that. Hearing this from the field staff, an over-enthusiastic senior officer order for closure of the well. This was his method of making tap water popular. Today this is vehicle parking area. Complain locals, "there was a move to revive this well recently, h polities came in the way."

About 300 to 400 wells still exist and these could be rejuvenated. There could be some other filled-up public wells too. One great advantage for Belgaum is that tube wells are very limited in the city. And while awareness about water harvesting is currently low, there is good scope for reviving most of the private dug wells by harvesting the rain each family gets over their site.

Delegations from many other city corporations have come to Belgaum to study the well revival success story. Among them were the ones from Kolhapur, Dharwar, Mangalore and Mysore, Though every delegation hailed this success, no efforts seem to have been done in their respective cities on these lines.

R S Nayak says efforts from the administration alone won't do. He points out that open wells are as sacred as a place of worship, and that years of efforts are behind the revival, "Minutes would be sufficient to spoil them

A 'well' is an open-well or a dug well that draws water from shallow aquifers. Anybody can check the water-level by peering into the well.

A tube-well on the other hand is dug with a machine; its diameter is 4 to 6 inches, and it draws water from deeper aquifers below the rocky layers. Checking the water level in a tube-well is pretty difficult.

Delegations from many other city corporations have come to Belgnum to study the well revival success story.

again," he warns. "It is not enough if only the administrations take care about this. Wat bodies are the assets of local communities. They have shoulder the responsibility protecting them too," says Nayak.

One pertinent plus point about this well-revival abbiyan is that it has helped to retain the ground water level high. If only Belgaum had opted for more bore wells, there would alway been the question of unsustainability, and the ground water level, in this one decade, wou have gone down considerably. @

Shree Padre 4 Dec 2006

Shree Padre is a journalist with many years of experience in agricultural reporting. He is p author of several books, including one on rainwater harvesting, published by Altermedia.

Contacts: M S Channappa Gowda, City Commissioner: +91-94483 82773, R S Navak, Ass



Appreciation Letter From Rotary Club



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April 15, 1999

Shri R.S.Nayak, A.E.E. Corporation of the City of Belgaum.

Dear Sir,

Warm greetings.

We, the members of Rotary Club of Belgaum South with to express our gratitude for the help and interest shown by you in completing our prestigious humanicatian Matching Gran project of providing safe drinking water to the citizens of Belgaut city.

Without your guidance, the project of eighteen drinking water points in various localities of Belgaum such as Veerabhadra nagar, Shivaji nagar, Khadak galli, M.M. extension, Parvan nagar etc. would not have come into existence. This project has certainly reduced the scarcity of drinking water faced by the cinzens of Belgaum.

Your consultation in the field of survey, location of streams, cleaning of existing wells, fixing of required machinery and pump sets are worth appreciating. Your association with this international project has helped us to fulfil one of the basic needs of this environmental friendly scheme.

We thank you for your kind gesture and seek the same cooperation from you in our future projects.

Regards.

Yours in Rodary Service,

Rm. Durgesh Maritav

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National Acclaim

Belgaum's Open Well Project was selected amongst the top 16 projects for the Urban Water Award 2008, by the **Ministry for Urban Development.**

Kannad Prabha, 6th June 1999 British Wells



ತಾಂಗ್ರೆಸ್ ಬಾವಿಯ ಒಳಬಡಿ

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ಹಾಗಾವಾಗ ಮಾರಿಗಳ ಭರಿಷ್ಠ ಅಚ್ಚುಲವಾಗುತ್ತದೆ... ಅಂದರ್ಜಾಗೆ ಈಗ ಭಾಷವಿದ್ದೇವೆ? ಬೆಂಗಳೂರಲ್ಲಿ ಕರೆಗಳೇ ಮಾಡುವಾಗುತ್ತಿದ್ದರೆ. ಇಳ್ಳಿಗಳಲ್ಲಿ ಸಾವಿಗಳೇ ಗೊಬ್ಬರದ ಗಂತಾಯಾಗಿ ರೂಪಾಂತರಗೊಳ್ಳುತ್ತಿವೆ. ಸಾಮಿಗುಂಟೆ ನೀರೆಳಿದೆ, ಸೋಚದ ವೇ.ರೆ. ಕೋಪರ್ಗಿಸಿ, ಎಂ. ಹೋಲೆ ವರಿದರುವ ಗಾರಿಯ ಕಲ್ಪಗೆ ಎನ್ನಾರಡ ಕನ್ನು ಇತ್ತೆಗಟ್ಟೇ ಮಾಗಲು ಜಾಗೆ ಪಾರಿ ಅನ್ವಳತ್ತು ಮಾಡಿಕೊಂಡಂಲೆ ಪಿದ್ದಿಗಳು ಇತ್ತಿಗಟ್ಗೆ ಸುಮಿನವಾಗುಪ್ರದನ್ನೂ ನೀವು ಗುರುಗಿರಿಯವಾದು.

ಆದರೆ ಬೆಳಗಾವಿ ಬದ ಮಾಸ್ತೆ ಇತತ್ತೂ ದಾವಿಗಳನ್ನು ಮರೆತ್ತಿದ್ದ ಬೆಳಗಾವಿಯಲ್ಲಿ ನೀರಿನ ಬೇರಿಗೆ ಹಾಗೂ ಪೂರೈಕೆ ನದಂವೆ ಅಗಾಧ ಅಂತರವಿದ್ದರೂ ಬನರು ನೀರಿಗಾಗಿ ಪರಿತಟನುವ ಪರಿಸ್ಥಿತ ನದ್ದಕ್ಕೆಂತೂ ಇಲ್ಲ

ಂದಗ್ಗೆ ಪರಣ "ನ್ವಟಿಷ್ ಮಂಗಳು".

ಬೆಳಗಾವ ನಗರಕ್ಕೆ ಪ್ರತಿ ದಿನ 135 ಲಕ್ಷ ಗ್ರಾಲನ್ ದೀರಿನ ಅಗತ್ಯಪ್ರದೆ, ರಕ್ಷಾಣಿಕೊಟ್ಟ ಬರುಕವರಿದಂದ ಈಗ 70 ಲಕ್ಷ ಗ್ರಾಲನ್ ದೀರು ಪುಗ್ರಕ್ಷೆ ಕೆಯಾಗುತ್ತಿದೆ. ಮಹಾತ್ಯಾಕಾಂಗೈಯ ಹಿಡುಕರ್ ಯೋಜನೆಯ ನೀರನ್ನೂ ಬೆಳಗಾವಿ ತಲುವಿಲ್ಲಿ ಹಿಗೇವ್ರಕೂ ಜನೆ ಮಾತ ವಾಜಿ ಎಪ್ಪುತ್ತಿಲ್ಲ. ಬದಕ್ಕೆ ಕಾರಣ ಬ್ರಿಟುಕ್ ವಾರ್ವಿಸು.

ಸ್ಥಾತಂತ್ರ್ಯಧುರ್ವವಲ್ಲಿ ದಂಡು ಪ್ರದೇಶವಾಗಿದ್ದ ಬೆಳಗಾಪಿಯಲ್ಲಿ ಬ್ರಚಿಷರು ಕಟ್ಟಿಸಿದ 18 ಖಾವಿಗಳು ಮಾತ್ರು ಬೆಳಗಾವಿ ನಾಗದಿಕರ ವೆಚ್ಚುದಿಗೆ ಕಾರಣವಾಗಿವೆ. ಬೆಳಗಾಪಿಯಲ್ಲಿ 4.5 ಲಕ್ಷ ಜನೆಸಂವೈಯದ್ರು, ಇದರಲ್ಲಿ තොර පළ සැදු සුදුර ප්රදේ කණ්ඩ කාර්ය කරන්නේ. කරේර මැටිම සැකටුණි සඳහන

ಗಳಗಾರಿಯ ಎಂದ ಅವಾರಣೆಗಳಲ್ಲಿರುವ ಕಪಿಗೇಶ್ವರ ಸಾವಿ, ಮತೆ ಗಲ್ಲಿಯಲ್ಲಿನ ವಾಸಿ, ಕೆಲ್ಲೆ ಗಲ್ಲಿಯಲ್ಲಿರುವ ಬುಕೆ-ಂಗರಿ ಕೇಶ್, ವರಸ್ತಾಹ ಗುರಿ ಎಳೆಯಲುವ ಪಾವಿ, ಸಂಸ್ಕಾನ್ನ ನಗರದ ವಾವಿ, ನೂಪಗ್ರೆಕೆಷ್ ರಸ್ತೆಯಲ್ಲಿರು ರಾವಿ, ಸಂಪದಾಳ ಗಲ್ಲಿರು ವಾವಿ, ನಡಗಾಂಪ ಪ್ರದೇಶದ ವಾಜರ್ ಕ್ಯಾಂಶ್ ಗುತ್ತು ರೈತ ಗಲ್ಲಿಯಲ್ಲಿರು ಮದಿಗಳು, ತಿಮಾ ಉದ್ಯಾಗದಲ್ಲಿರುವ ವಾವಿ, ಹೊಗತಿಮಾಳದಲ್ಲಿಕ ವಾವಿ, ಮಾತಾಗ ಹಾಗೂ ತಿಚ್ಚಪ್ರೆಗೊಳ್ ಲೈನ್ಎಲ್ಲಿನ ಮುದಿಗಳು, ಕೆಗಸ್ ಗಲ್ಲಿಯಲ್ಲಿರುವ ವಾವಿ, ಅನೆಗೊಳ ಮತ್ತು ಮುತ್ತಾರಪತ್ರಿಯ ಮದಿಗಳು ಪ್ರಚಿಷವ ಬೆಳಗಾವಿಗೆ ನಿಂದರೆ ಕೊಡುಗೊಳು, ಗ್ರಿಟಿವರು ಈ 18 ಮಾನಗಳನ್ನು ಭೂ ಹುಡಲ್ ಕ್ರತ ಮತ್ತು, ಸಂದೀ ಗಲಿ ಗಲುವತಿ, ಎಲಾಗುತ್ತಾರೆ.

ಪತೋತರದ ಸಂಗತಿ ಎಂದರೆ, ಈ ವಾವಿಗಳು ಅನೆಲಂದಿಗಿದುವುದು ಅಂತರ್ಮದವಷ್ಟಲ್ಲ. ಬದಲಾಗಿ ಭೂಮಿಂದ ಬೇಲುವರದಲ್ಲಿ ಎರಡು ಗಟ್ಟೇಶ್ ಸ್ಟೋರ್ಗಳ ಸದಿಗೆ ತರಿಯುವ ಎರಡು ಗಟ್ಟೇಶ್ ಸ್ಟೋರ್ಗಳ ಸದಿಗೆ ತರಿಯುವ ದಿರದ ಸೆಲೆ ಹೊಂಡೊಮ್ಮದ ಸ್ಥಳವನ್ನು ಸಿಬರವಾಗಿ ಗಡುತಿಸಿ ಆ ಸ್ಥಳದಲ್ಲಿ ಪಾವಿಗಳನ್ನು ಲ್ಯಾಟಿಸದ ವಿರ್ದಾಟವುದೆಂದ ಸೈಸರ್ಗಳನವು ಗಟ್ಟಿಟಿಸದ ವಿರ್ದಾಟವುದೆಂದ ಸೈಸರ್ಗಳನಾಗಿ ನಡುವೆ ಹರಿಯುವುದರಿಂದ ಸೈಸರ್ಗಳನಾಗಿ ನಡುವೆ ಹರಿಯುವುದರಿಂದ

ಯಾರಿಗೂ ಬೇಡವಾಗಿದ್ದ ಬಾವಿಗಳು l ಹಿಗೆ ಒಣ್ಣನವನ್ನು ಅನುಸುಸಿ ಪ್ರವಿಷರು ನಿರ್ಮಿಸಿದ ಪಾವಿಗಳು ಸ್ನಾತಂತ್ರ್ಯಾಪಂತರ ಕ್ರಮೇಣ ನಿರ್ಲಕ್ಷ್ಮತ್ತೆ ಆಡಾದವು. ಈ ಪ್ರತಿಯೊಂದು ಪಾವಿಗಳೂ ತರಾ 10

> ನಾವಿರ ಜನವಿಗೆ ದೀರು ಒದೆಗಳುವ ಸಾಮರ್ಥ್ಯ ಹೊಂದಿದ್ದರೂ, ಗದುಗಹದಲ್ಲಿರುವ ಸಾರ್ವಜನಿಸರು ಮಾತ್ರ ಇವನ್ನು ಬಳಸುತ್ತಿದ್ದರು.

ಲೇಕಾವಿ ಸಗರದಲ್ಲಿ ಜನಸಂಖ್ಯೆ ಹುಬ್ಬರುತ್ತ ರಾಲಿಕೆ ಕೋಟ್ಯದಾರ ವೆಚ್ಚದ ನೀರು ಪುರೈಸೆ ಯೋಜನೆಗಳತ್ತ ಗಮರ ಕರಿಸತು. ಅಗಾಗದೇ ಇದುವ ವಾರ್ದಿಕನ್ನು ಸಮಾರ್ಪವಾಗಿ ಬಳಸಿಕೊಳ್ಳುವತ್ತ ಮಾತ್ರ ಬಾರ ಗಮನವೂ ಪರಿಚಾರಿಲ್ಲ. ಆದರೆ, 1995ರಲ್ಲಿ ಮಳೆಯಾಗದಿದ್ದರಿಂದ ಗಳ್ಳಿಗೊಡ್ಡ ಜನಾಸಯದಲ್ಲಿ ನೀರು ತಳ ಮುಚ್ಚತು. ಆಗ ನೀಡಿತ ಬಾರ ಮೂಲಗಳ ಕಡೆಗೆ ಗಮತ ಹರಿಸುವುದು ಪಾಲಿಕೆಗೆ ಹುಡಾಯಗಳುವುದು ಈ ಅಭಿವಾರ್ಯತೆ ರಾಜ್ಯ ರಲ್ಲಿ ಮಿನೂರವಾದ ಹುಡಿಗಳಕ್ಕೆ ಕಾರಣವಾಯಿಲ್ಲ.

ವಾದಿಗಳ ಬಳಿ ದೀರು ಕುದ್ದೀಕರಣ ಘಟಕ ಸ್ಥಾಪಿಸ ದೀರನ್ನ ಕುದ್ದೀಶರಾವುದು, ನಂತರ ಪಂಪ್ ಗೋಗಿ ಮೂಲಕ ನೀರನ್ನು ಮೇಲೆತ್ತಿ ಬೆಳಗಾದ ನೀರು ವಿತರಣ ಪಾಲಕ್ಕೆ ತೇರುರುವ ಮೋಜನೆಯನ್ನು ಪಾದಿಕೆಯ ಅಧಿಕಾರಿಗಳು ನೂಡಿಸಿದರು, ಮುಂಡೆ ಕೈಗಾರಿಕೆಗಳಲ್ಲಿ ಮತ್ತು ತೇಜುಕೊಳಗಳಲ್ಲಿ ಒಮ್ಮೆ ಕುಡುವೊರಗಿಸಿದ ನೀರನ್ನು ಮತ್ತೆಮತ್ತೆ ಬಳಸಲು ಇದುವ ತಂತ್ರವನ್ನು ಕುಡುವನ, ಮನೆಗಳ ದೀನನ್ನು ಬಳಸುವ ಮೊಗಣ ಕೊಡುತ್ತ ಪಾದಿಕೆಯ ಆಧಿಕಾರಗಳು ಕಾರ್ಯವಿಷಕ್ಕೆ ತಂದರು:

ಪಾರಿಕೊಡಿ ಅಧಿಕಾರ್ಶಿಕ ತಂತ್ರ ಹುಂದಾ ಸದಳವಾಗುತ್ರ. ಮೊದಲು ಮಾವಿಗಳ ಸಂಗ್ರಹ ಸಾಮರ್ಥ್ಯ ಮತ್ತು ದೀರಿಗ ಗುಗಾವಟ್ಟು ಪರಿಶೀರಿಸುವುದು.



Kannad Prabha, 6th June 1999

10

Deput Dost D 10 ಅನಂತರ ಆಯ್ಕೆಯಾದ ಬಾದಿಗಳ ಬಳಿಂದೇ ಪುಟ್ಟ ಪುದ್ರೀತರಣ ಘಟಕ (ಮಿನಿಯೇಟ್ ಡ್ ವಾಟರ್ ಪ್ರಾಂಟ್) ಸಾಮಿಸುವುದು.

ಪಂಪ್ ಸೆಟ್ ಮೂಲಕ ನೀರನ್ನು ಹೊರ ತೆಗೆದು ಶುರ್ಧಿಕರಣ ಘಟಕಕ್ಕೆ ಹಾಯಸುವುದು, ಅನಂತರ ಶುಧ ನೀರನ್ನು ಬೆಳಗಾದಿ ನೀರು ವಿತರಣಾ ಜಾಲಕ್ಕೆ ಸಂಪರ್ಕಿಸುವುದು.

ನೀರು ನಾಯಕ

ಈ ಯೋಜನೆಯ ರೂವಾರಿ ಪಾಲಿಕೆಯು ಕಾರ,ಕಾರಿ ಅಭಿಯಂತರ ಆರ್.ಎನ್. ಸಾಯಕ, ಬೆಳಗಾವಿ ನೀರು ವಿತರಣೆ おはいがするれんやおきい おいのうがい ಮಾಡಿರುವ ಸೇವೆಯಂಡಾಗಿ ಅವರನ್ನು אינט אוז המכור המכור באינט און ಗರ್ಶಿಸುತ್ತಾರೆ.

ಈ ಯೋಜನೆಯಂತೆ ಕವಿಲೇಶ್ವರ ಬಾವಿ, ಮಕ ಗಲಿಯ ಮಾನಿ, ಶೆಟ್ಟೆ ಗಲಿಯಲಿರುವ ಬನಶಂತರ ತೀರ್ಭ, ನವಗ್ರಹ ಗುಡಿ ಬಳಿಯಿರುವ ಬಾವಿ, ವೀರಭದ, ನಗರದ ಬಾವಿ, ಗುರ್ಷಕರ್ಡ ರಸ್ತೆಯಲ್ಲಿನ ಬಾವಿ, ಕೊನವಾಳ ಗಲ್ಲಿಯ ಬಾವಿ, ವಡಗಾಂವಿ ಪ್ರದೇಶದ ವಾಜರ್ ಕ್ಯಾಂಪ್ ಮತ್ತು ರೈತ ಗಲ್ಲಿಯಲ್ಲಿನ ಬಾವಿಗಳಿಗೆ ಶುದ್ರೀಕರಣ ಘಟಕ 取らたわれた.

ಶಿವಾಜಿ ಪಾರ್ಕ್ ನಲ್ಲಿರುವ ಬಾವಿ, ಜೋಶಿಮಾಳದಲ್ಲಿನ ಜಾವಿ, ಜಾಸವಾಗ ಹಾಗೂ ಸಿಟಿ ಪೊಲೀಸ್ ಲೈನ್ ನಲ್ಲಿನ ಬಾವಿಗಳು, ಕಡಕ್ ಗಲಿಯಲಿರುವ ಬಾವಿ, ಅನಗೋಳ ಮತ್ತು ಮುತ್ತಾನಪಟ್ಟಿಯ ಜಾವಿಗಳಿಗೆ ಶುದ್ಧೀಕರಣ ಘಟಕ ಸ್ಥಾವಿಸುವ ಕೆಲಸ ಭಗತಿಯಲಿದೆ.

ಈ ಯೋಜನೆಯಂತೆ ಬಾವಿಗಳಿಗೆ ಶುದ್ರೀಕರಣ ಘಟಕ ಜಾಗೂ ಪಂಪ್ ಸೆಟ್ ಗಳನ್ನು ಅಳವಡಿಸಲು 3 ಲಕ್ಷ ರು. ವೆಚವಾಗುತ್ತದೆ. ವೆಳಗಾವಿಯ ರೋಟರಿ ಕರ್ಷ ಹಾಗೂ ಇಂಡಾರ್ ಕಾರ್ಯಾನೆಗಳು ಈ ಯೋಜನೆಯಲ್ಲಿ ಪಾಲ್ಗೊಂಡಿದ್ದು, ರೋಟರಿ ಕ್ಷಬ್ ವೀರಭದ್ರನಗರದ ಬಾವಿಯ ಯೋಜನೆಗೆ ತಗಲುವ ವೆಚ್ಚವನ್ನು ಸಂಪೂರ್ಣ ಭರಿಸಿದೆ. ಇಂಡಾನ್ ಕಾರ್ಮಾನೆಯು ಗೂಡ್ ಶೆಡ್ ರಸ್ತೆಯಲ್ಲಿರುವ ಮಾವಿಗೆ ಶುಧೀಕರಣ ಘಟಕ ಸ್ಥಾಹಿಸಲು ನೆರವಾಗಿದೆ.

ಹಾಗೆ ನೋಡಿದರೆ, ಬೆಳಗಾವಿಯಲಿ movie that I move pitch

ಜುನೆ(ಹಳೆ) ಬೆಳಗಾವಿ ಪ್ರದೇಶದಲ್ಲಿ ಖಾಸಗಿ ಬಾವಿಗಳನ್ನೆಲ್ಲ ಸೇರಿಸಿಕೊಂಡರೆ 2 ಸಾವಿರ ವಾವಿಗಳಿವೆ. ಬೆಳಗಾವಿಯಲ್ಲಿ ಅಂತರ್ಜಾಲದ ಜೊತೆಗೆ ಸರ್ವೆಸ್ ಪೋ ವಾಟರ್(ಬೊಮಿಯ ಮೇಲ್ಸದರದಲ್ಲಿ ಎರಡು ಕಲ್ಲುಗಳ ನಡುವೆ ಹರಿಯುವ ನೀರು) ಕೂಡ ವಿಶ್ವಲವಾಗಿರುವುದರಿಂದ ಭೂಮಿಯಿಂದ ಕೇವಲ 20 ಅಡಿ ಅಂತರದರೇ ಸೀರಿನ ಒರತೆ ಆರಂಭವಾಗುತ್ತದೆ. ಇದನ್ನು ಆರಿತುಕೊಂಡಿದ ಸರ್ 1 ಎಂ. .

New COLORER, MARCH LINE MICHAELER ವಿಗರು ಪೊರೈಸದ ಭಾವಿಯಂದೇ ಜನರ search whore summer made NELSESSIC STA (11)、新闻 Catal Participation of the

FROM PERSONAL EXPERIMENT

ಪ್ರದೇಶದಲ್ಲಿ ಇದು, ಈ ಪ್ರದೇಶದಲ್ಲಿ ಹೆಚ್ಚು ೆಡಿಮೆ ಎಲ್ಲರ ದುನೆಯಲ್ಲಿ ಬಾವಗಳವೆ. WERE A MUSIC MARKED AN ADDITION ಾರನ್ನು ಬಳಸುವನು ಆತದರಳವಾಗಿತ್ತು. herals each and that there sees any manufate, shows ರ್ಜವನದಲ್ಲಿ ಜಾಲಕಗೊಂಡವರಿಗೆ ಆತ್ಮಹತ್ಯೆ which a first and the second second

ಎಸ್ಎಸ್ಎಲ್ಸ್ ಪರೀಕ್ ಮಲ र्माया राज्य केंद्र मार्थन संव केंद्र साम-ದಿಕೊಳ್ಳಲು ಅಯ್ಯಕೊಳ್ಳುತ್ತಿದ್ದಾದು ಈ ಕಣವಿಂದುನೇ. ಈ ಪರಿಸಿತಿ ಎಂದು ಗಂದೀಶವಾಯತೆಂದರೆ, ಎಸ್.ಎಸ್.ಎಶ್.ಎಶ್.ಸ

ವಿಶ್ವೇಶ್ರದಯ್ಯನವರು, 'ಬಾವಿಗಳ ಸರಣಿಯ ಮೂಲಕವೇ ಬೆಳಗಾವಿಯ ನೀರಿನ ಸಮಸ್ಯೆಯನ್ನು ಬಗೆಹರಿಸಬಹುದು' ಎಂದು ಹಿಡಕಲ್ ಜಲಾಶಯದ ಪ್ರಾಥಮಿಕ ವರದಿಯಲ್ಲಿ ಹೇಳಿದರು.

ವೆಳಗಾವಿಯ ಜಾಸವಾಗ ಹಾಗೂ ವರ್ಷಾಂಧಿ ಪ್ರದೇಶಗಳು ಹಿಂದೆ ಸಂಸ್ಥಾನಗಳಾಗಿದ್ದವು. ಬೇರೆ ನೀರಿನ ಮೂಲ ಇಲ್ಲಧರಿಂದ ಅಗಿನ ರಾಜರು ಬಾವಿಗಳನ್ನು ತೆಗೆಸಿದರು. ಅಂತರ್ಜಾಲ ವಿಪ್ರಲವಾಗಿದು, ರಾಜದ ಸಹಕಾರವೂ ಸಿಕ್ಕಿದರಿಂದ ಬೆಳಗಾವಿಯಲ್ಲಿ ಣಾವಿಗಳ ಸಂಖೆ.

ಸಹುಮಾಗಿಯೇ ಹೆಚ್ಚಾಯತು.

ಆದರೆ ಈ ವಾಖಗಳಲ್ಲಿ ಬಹುತೇಕ ಜಾವಿಗಳ ನೀರು ಕಲುಷಿತಗೊಂಡಿದೆ. 1964ರಲ್ಲಿ ಬೆಳಗಾವಿಗೆ ಅಳವರ್ಷಣದ ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆ ಇದಕ್ಕೆ ಕಾರಣ. ವೆಳಗಾವಿಯಲ್ಲಿ ಒಳಚರಂಡಿ ವ್ಯವಸ್ಥೆ ಆರಂಭವಾದ ಹತೇ ವರ್ಷಗಳಲ್ಲಿ ನಗರದಲ್ಲಿದ ಸಹಸ್ರಾರು ಬಾವಿಗಳ ನಾರತೊಡಗಿದವು. ಈ ಕಲುಹಿತ ಬಾವಿಗಳ ನೀರಿನಿಂದಾಗಿ ರೋಗರುಜಿನಗಳು ಹೆಚ್ಚದರಿಂದ ಕಲುಷಿತ ದಾವಿಗಳನ್ನು

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Kannady pretty 6-R-99-D

ಬದುಕು ಬಾರವಾದವರಿಗೆ ಕಾಂಗ್ರೆಸ್ ಬಾವಿ

ಪರಿಚಾಂಶ ಪ್ರಕಟವಾದ ಒಂದು ವಾರ ಬಾವಿಯ ಬಳುಮಲ್ಲಿ ಪೊಲೀಗರ ಕಾವರಣೇ 市内をおけたきすい。

ವಿವಿಧ ರೀತಿಯ ಮರ್ಬ ಳಿಕೆಯಂದಾಗಿ 19795 Main sporter and ELES, LOAD ACON. BORT and the source for the second ಜಿನ್ಲೆಯ ಸ್ನಾತಂತ್ಸ್ರ ಟೋರಾಟಗಾರರು 198000 13980000 ದುರ್ಭಗೊಳಿಸುವಂತೆ ಸರ್ಕಾಪವರ್ಗ ゴビオ ただい.

ಮುಚ್ಚುವಂತೆ ಆದೇಶ ಮಾಡಬೇಕಾಗಿ 2030.

ಬಾರಾ ಘಡಘಡೆ ಬಾವಿ ಸರ್ಶೆಸ್ ಪೋ ವಾಟರ್ ಕಲುಪಿತಗೊಂಡಿದರೆ ಪರಿಣಾಮವಾಗಿ ಮುಚ್ಚಹಾಕರಾದ ಬೆಳಗಾವಿಯ ಅತಿ ದೊಡ್ಡ ವಾವಿ ಕಿರ್ಲೋಸ್ಟರ್ ರಸ್ತೆ ಬಳಿಯರುವ 'ವಾರಾ ಗಡಗಡೆ' ಬಾವಿ, ಶಡಶದ ಎಂದರೆ 'ತಿರುಗಗ'(ರಾಟಿ)

ಎಂದರ್ಥ. ಈ ಬಾವಿಗೆ 12 ತಿರುಗಣಿಗಳಿದುವರಿಂದ ಇದು ಬಾರಾ ಘಡಘಡೆ ಬಾವಿ ಎಂದೇ ಪ್ರಸಿದ್ಧವಾಗಿತ್ತು. ಈ ಬಾವಿ ಎಷ್ಟು ಪ್ರಖ್ಯಾತ ಎಂದರೆ, ಬಾವಿ ಬಳಿಯರುವ ಪ್ರಕ್ಷವನ್ನೂ ಸಹ 'ಬಾರಾ ಶಡಘಡೆ ಜೌಕ' ಎಂದೇ ಗುರುತಿಸರಾಗುತ್ತದೆ.

ಇಂತನ ಬಾವಿಯ ನೀರು. ಒಳಚರಂಡಿಯ ನೀರು ಸೇರಿದರಿಂದ ಕಲುಷಿತವಾಯ್ದು, ಹೀಗಾಗಿ ಬಾವಿಯ ದೀರು ಬಳಸದಂತೆ ಬೆಳಗಾವಿ ಮಹಾನಗರ ಶಾಲಿಕೆ ಆದೇಶ ತಂದು ಬಾವಿ ಮುಚ್ಚಿಸಿತು. ಬಾರಾ ಘಡಘಡೆ ಬಾವಿಯ ಕತೆಯೇ ಬೆಳಗಾವಿ ಸಾವಿರಾರು ಬಾವಿಗಳದ್ದು ಕೂಡ. ಹೀಗೆ

Same and and the day ಮನವ ಮಾಲಿಕೆ, ಈ ಮುದಿಗೆ ಕಾಂಪೆಳಿಡ್ ಕಟ್ಟೆ ಸುಣ್ಣ ಬಣ್ಣ ಬಳಿಯತು, ಆದರೆ Nation Decis Refunct, Roods/4 ತಿಳಿಯದೇ ಕಾಂಪೌರ್ಡ್ ನಿರ್ಮಾಸಿದರಿಂದ ಬಾವಿಯ ಮೇಲ್ರದರದಲ್ಲಿದ್ದ ನೀರಿನ ಸೆಲೆಯೇ ಬಕ್ತ ಹೋಗಿದೆ! ಇದರಿಂದಾಗಿ ಜಾವಿಯ ಆಳದಲ್ಲಿರುವ ಏಕ್ಸೆಕ ನೀರಿನ ಸೆಲೆಯನೇ ಕಾಂಗೆಸ್ ಬಾದಿ usseaud.

specture analysis active series ಘಟಕವನ್ನು ಅಳವಡಿಸುವ ನಿರ್ಧಾರವನ್ನು ಪಾಧಿಕೆ ತಗೆದುಕೊಂಡದು, ಈಗ ಬಾದಿಯ

ನಗರದಲ್ಲಿ 3 ಸಾವಿರಕ್ಕೂ ಹೆಚ್ಚಿದ ಬಾವಿಗಳ ಸಂಖ್ಯೆ ಈಗ ಒಂದು ಸಾವಿರಕ್ಕೂ ಕಡಿಮೆಯಾಗಿದೆ.

ವಾಗರಿಕರಿಗೆ ಸೌಲಭ್ಯ ನೀಡಲು ಆರಂಭಿಸಲಾದ ಯೋಜನೆಯೊಂದು(ಒಳಚರಂಡಿ) ಕುಡಿಯಾವ ನೀರಿಗೆ ಕತ್ತರಿ ಹಾಕಿದ ವಿಚಿತ, ಸಪ್ಪವೇಶವನ್ನು ಬೆಳಗಾವಿಗದು ಎದುರಿಸುತ್ತಿದಾರೆ.

ಕಾಂಗೆಸ್ ಬಾವಿ ಬೆಳಗಾವಿ ಮುಹಾನಗರ ಪಾಲಿಕೆ ನೀರು

ಪಾಲಿಕೆ ಶುದ್ಧಿಕರಣ ಘಟಕ ಸ್ಥಾಪಿಸಲು ಆಯುಕೊಂಡ ವಾವಿಗಳಲ ಬಿಟಿಪರು ಕಟ್ಟಿದೆ ವಾದಿಗಳಾದರೆ, ಕಾಂಗೆಸ್ ವಾದಿ ಮಾತ್ರ ಬ್ರಟಷರ ಕಾಲದಲ್ಲೇ ನಿರ್ಮಿಸಲಾದ. ಆದರೆ ಪ್ರಟಿಷರು ಕಟ್ಟದ ಐತಿಹಾಸಿಕ ಬಾವಿ.

ಸ್ವಾತಂತ್ರ್ಯ ಹೋರಾಟಣ್ಣೆ ಸಂಬಂಧಿಸಿದಂತೆ ಭಾರತದ ಭೂಪಟದಲ್ಲಿ ಬೆಳಗಾವಿಗೆ ಎಂದೂ ಅಳಿಯದ ಸಾನ ಗಳಿಸಿಕೊಟ್ಟ ಹಿರಿಮೆಯನ್ನು 'ಕಾಂಗ್ರೆಸ್ ಭಾವಿ ಹೊಂದಿದೆ.

ರಾಷ್ಟ್ರಪಿತ ಮಹಾತ್ಮ ಗಾಂಧೀಟಿ ಅಧ್ಯಕ್ಷ ಧಾಗಿದ ಏಕ್ಕೆಕ ಕಾಂಗ್ರೆಸ್ ಅಧಿವೇಶನ ಬೆಳಗಾವಿಯಲ್ಲಿ 1924ರಲ್ಲಿ ಡ. 26ರಿಂದ 28ರವರೆಗೆ ನಡೆಯನು, ಈ ಅಧಿವೇಶನಕ್ಕೆ ಆಗಮಸಿದ್ದ 5 ಲಕ್ಷ ಜನರಿಗೆ ಮೂರು ದಿನಗಳ ಕಾಲ ನೀರು ಪೂರೈಸಿದ ಶ್ರೇಯಸ್ಸು ಕಾಂಗೆಸ್ ಬಾದಿಯದು.

ಮಹಾತ್ಸಾ ಗಾಂಧಿ ಅಧ್ಯಕ್ಷ ತೆಯಲ್ಲಿ ನಡೆದ 39ನೇ ಕಾಂಗ್ರೆಸ್ ಅಧಿವೇಶನದಲ್ ಮೂರು ತಲೆಮಾರನ್ನು ಪ್ರತಿನಿಧಿಸಿದ್ದ ನೋತಿಲಾಲ್ ನೆಹದು, ಜವಾಪರಲಾಲ ಸೆಹರು ಮತ್ತು ಆಗ 7 ವರ್ಷ ವಯಸ್ಸಿನ ಳುವಿರು ಗಾಂಧಿ, ಸರ್ದಾರ್ ವಲಭಜಾಯಿ ಪಟೇಲ್, ಸುಭಾಷ್ ಚಂದ, ಮೋಸ್ ಜೊದಲಾದ ರಾಷ್ಟ್ರೀಯ ನಾಯಕರು ಆಗಮಿಸಿದ್ದರು.

ಬೆಳಗಾವಿಯ ಈಗಿನ ಟಿಳಕವಾಡಿ ಪ್ರದೇಶದ ಬಳಿಯ ಈಗಿನ ಮೊದಲನೇ ರೈಲ್ಲೆ ಗೇಟ್ ಬಳಿಯ ಮೈದಾನದಲ್ಲಿ ಅಧಿವೇಶನ ನಡೆಯಿತು. ಅಧಿವೇಶನ ನಡೆದ ವೇದಕೆಗೆ 'ವಿಜಯನಗರ ವೇದಿಕೆ' ಎಂದು ಹೆಸದಿಡಲಾಗಿತ್ತು ಹಾಗೂ ಅಧಿವೇಶನಕ್ಕೆ ಆಗಮಿಸುವ ಜನರಿಗೆ ವಸತಿ ಕಲ್ಪಿಸಲು 85 ಎಕರೆ ಪ್ರದೇಶದಲ್ಲಿ ತಾತ್ರಾಲಿಕ ಡೇರೆಗಳನ್ನು ವಿರ್ಮಿಸಲಾಗಿತ್ತು.

ಈ ಅಧಿವೇಶನಕ್ಕೆ ಆಗಮಿಸುವ ಜನತೆಗೆ ನೀರು ಪೂರೈಸುವ ಉದ್ದೇಶದಿಂದ ದಾವಿಯೋಂದನ್ನು ಆಗಿನ ಮುಖಂಡರು ಕಟ್ಟಿಸಿದರು. ಈ ಬಾವಿಯನ್ನು 6 ತಿಂಗಳ ಅವಧಿಯಲ್ ಜಾಗೂ ಆಗಿನ ಕಾಲದಲೇ 60 ಸಾವಿರ ರು. ವೆಚ್ಚದಲ್ಲಿ ನಿರ್ಮಿಸಲಾಗಿತ್ತು. ನಿರ್ಮಾಣವಾದಾಗ ಈ ಬಾಪಿಯ ಸುತ್ತಳತೆ 40 ಅದಿ ಆಗಲ ಮತ್ತು 50 ಅದಿ ಆಳವಿತ್ರು.

ಸಾಮರ್ಥ ಕಡಿಮೆ ಇದರೂ ಎತಿಹಾಸಿಕ ಕಾರಣಗಳನ್ನಾಗಿ ಈ ಜಾವಿಗೆ ಶುಧಿಕರಣ ತೊಳಚೆ ದೀರನ್ನು ಹೊರಹಾಕುವ ಕಾರ್ಯ ಪಗತಿಯದಿದೆ.

Kannad Prabha, June 1, 2003 "Water in your locality - then why are you thirsty?"

ಮಡಿಲಲೇ ನೀರು: ಮತೇಕೆ ದಾಹ? ಎಂ.ಕೆ.ಹೆಗಡೆ ಕನ್ನಡವಭ ವಾರ್ಸೆ, ಬೆಳಗಾವಿ, ಎಂಜಿನಿಯರ್ 'ವಳಗಾವಿ ನಗರದಲ್ಲಿ ಬ್ರಚೀಶ್ ಕಾಲದಲಿ ನಿರ್ಮಿಸಲಾಗಿರುವ 3anonst ವಗರಕ್ಕೆ , ವರ್ಷ ಪೂರ್ತಿ ಸಾಕಾಗುವಷ್ಟು ನೀರನ್ನು LOATEN मार्ट्या मार्ट्य ह ಹೊಂದಿವೆ' ಎನ್ನುವ ಕುತೂಹಲ ್ಯವಾರಿ ಅಂಶವೊಂದು ಬೆಳಕಿಗೆ 200000. . ಬೆಳಗಾವಿ ನಗರದಾದ್ಯಂತ ಯೋಜನೆಯನು. ಾರ್ದ ಬಿಟೀಶ್ ಬಾವಿಗಳನ್ನು ನ್ರ ಸರ್ಜವಗೊಳಿಸಿದರೆ ಅವು ವೆಳ. ಹಿಎ ನಗರಕ್ಕೆ ಎಂದೂ ಕೊರ ತೆಯಾಗದಂತೆ ನೀರನ್ನು ಪೂರೈಸ ಬಲವು. ಇದಕ್ಕಾಗಿ ಮಾಡಬೇ

ಮತ್ತು ಅತ್ಯಂತ ಕಡಿಮೆ ಅವಧಿ. ಪುನರ್ಜೀವಗೊಳಿಸಿರುವುದು

'ಆವತ ಕತೆಯೇ ಮೂಲ' ಎನ್ನುವಂತೆ ತಗರಕ್ಕೆ ನೀರಿನ

ದ ವ್ರಯ ಕೂಡ ಆತ್ಮಲ್ಲ:

ರಲ್ಲಿ ಇಂತಹ ಬೃಹತ್ ಹಾಗೂ

ಹಶ್ರತ ವ್ಯವಸ್ಥೆ ಮಾಡಲು ಸಾಧ್ಯವಿದೆ

Mentidant Anth MAAR

ಕ್ಷುವ ವಿಷಯ ಪ್ರಾಯೋಗಿಕ

รึกอีร์เป็นกิโ สิ่งมีจะเป็น ತೀವ್ಸ ಮಾರ್ಗವೇ ಇಲ್ಲದೆ ಸಂಕಷ್ಟಕ್ಕೆ ಸಿಲುಕಿ

ದಾಗ ಮಹಾನಗರ ಪಾಲಿಕೆಯ 2230 ක්ෂේ ಮಹತ್ರಪೂರ್ಣ ಕೆಲಸವನ್ನು ನಡೆಸಿ ದಾರೆ. ಇವೀ ನಗರಕ್ಕೆ ಒಂದು ವರ್ಷ ಟ್ಯಾಂಕರ್ ಮೂಲಕ ನೀರು ಒದಗಿ ಸಲು ವ್ಯಯ ಮಾಡುವಷ್ಟು ಹಣವನ್ನು ಒಪ್ಪು ಖರ್ಚು ಮಾಡಿದರೆ ನಗರದಲ್ಲಿ ರುವ 17 ಬ್ರೆಟೀಶ್ ಬಾವಿಗಳನ್ನು ಪೂರ್ಣ ಪ್ರಮಾಣದಲ್ಲಿ ಸುವ್ರವಸಿತ ಗೊಳಿಸಬಹುದು ಎನ್ನುವ ವಿಷಯ ವನ್ನು ಅವರು ಹೊರಗೆಡವಿದಾರೆ. ಈ 1995ರಲಿಯೇ ಆರಂಭಿಸಿ, ತಾಂತ್ರಿಕ ಕಾರಣದಿಂದಾಗಿ ಪೂರ್ಣಗೊಳಿಸಲಾ ಗದೆ ನಿಲ್ಲಿಸಿದ ವಿಷಯ ಕೂಡ ಈಗ ಬಹಿರಂಗವಾಗಿದೆ. ಬೆಳಗಾವಿ ಮಹಾನ

ಗರ ಪಾಲಿಕೆಯಲ್ಲಿ 21 ವರ್ಷಗಳಿಂದ ಎಂಜಿನಿಯರ್ ಆಗಿರುವ ಆರ್ಎಸ್. කාಯಕ ಅವರು 1995ರಲ್ಲಿ ಇಂತಹ ಯೋಜನೆಗೆ ಕೈ ಹಾಕಿದ್ದರು.

5ನೇ ಪಟಕ್ಕೆ

ಮಡಿಲಲೇ ನೀರು: ಮತೇಕೆ ದಾಹ? (1ಸೇ ಪುಟದಿಂದ) ನಗರದ 9 ಬಾವಿಗಳನ್ನು ಜೀರ್ಣೋದ್ದಾರಗೊ

ಳಿಸಿ, ಇಂದಿಗೂ ಬೆಳಗಾವಿ ನಗರದ ಪ್ರದಯ ಭಾಗದಲ್ಲಿರುವ ಜನತೆ ಸಂತೃಷ್ಟಿ ಪಡುವಷ್ಟು ಬಾವಿಯ ನೀರು ಪಡೆಯುವಂತೆ ಮಾಡಿದಾರೆ. ಆದರೆ 1999ರಲ್ಲಿ ಅವರು ನೀರ್ ಪೂರ್ರೆಕೆ ವಿಭಾಗದಿಂದ ಬೇರೆ ವಿಭಾಗಕ್ಕೆ ವರ್ಗವಾದ ನಂತರ ಈ ಯೋಜನೆ ಪೂರ್ಣ ನೆಲಕಚ್ಚಿ ಹೋಯಿತು. 🛶

'ಯೋಜನೆಯನ್ನು' ಮುಂದುವರಸಿ, ಸಮ ರ್ಷಕವಾಗಿ ನಿರ್ವಹಣೆ ಮಾಡಿದರೆ ನಗರ ಎಂದಿಗೂ ನೀರಿನ ಕೊರತೆ ಎದುರಿಸುವ ಪರಿಸಿ ತಿಯೇ ಬಾರದು ಎನ್ನುವುದನ್ನು ರವೀಂದ ನಾಯಕ ಆತ್ಮಂತ ಪ್ರಭಲವಾಗಿ ಪ್ರತಿಪಾದಿಸು ತಾರೆ. '1995ರಲ್ಲಿ ಬೆಳಗಾವಿ ನಗರ ತೀವ ನೀರಿನ ಸಮಸ್ಯೆ ಎದುರಿಸುವ ಸ್ಥಿತಿ ಇತ್ತು. ನಾಳಿ ಎಂದರೆ ನೀರಿಲ್ಲ ಎನ್ನುವ ತೀವ್ರ ಸಂಕಷ್ಟ ಪರಿ ಸ್ಥಿತಿಗೆ ನಾವು ತಲುಪಿದ್ದೆವು. ಆಗ ನನಗೆ ನಗರ ದಲಿರುವ ಬಾವಿಗಳ ನೆನಪಾಯಿತು. ತಕ್ಷಣ ಆ ಕುರಿತು ಅಧ್ಯಯನ ನಡೆಸಿದೆ. ತೀವ್ರ ಗತಿ ಂಗಲಿ ಕಾರ್ಯರೂಪಕ್ಕೂ ಇಳಿದೆ. ನಮ್ಮ ನಿರೀಕ್ಷೆಗೂ ಮೀರಿ ಅವುಗಳಿಂದ ಪ್ರಯೋಜನ ವಾಯಿತು' ಎಂದು ನಾಯಕ ಹೇಳುತಾರೆ.

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वाराती बेळगांव महराची लोकसंख्या लक्षात घेता शहराला १ कोटी ३५ लाख गॅलन पाण्याची गरज असून लक्ष्मीटेक जलश्बदीकरण प्रकल्पाची पाणी परवण्याची क्षमता ९० लाख गॅलन आहे. बेळगांच महापालिकेने रोटरी व इंडाल यांच्या सहकायांने शहरातील जुन्या विहिरी रवच्छ करून त्या विहिरींचे पाणी नागरिकांना पुरविषयाचा निर्णय धेतल्याने शहरातील भोषण पाणीटंचाई दर होण्यास मदत झाली असन अडगळीत पडलेल्या सार्व विहिरींना त्यामुळे भलतेच महत्त्व प्राप्त झाले आहे.

बेळगांव महापालिकेने शहरासील वेहिरीच्या पाण्याचे शुख्दीकरण करून ते पाणी नागरिकांना पुरविण्याची

विशेष वृत्त

महत्त्वाकांक्षी योजना गेल्या दोन वर्षांपूर्वी हाती चेऊन त्याची कार्यवाही केल्याने शहरातील भीषण पाणीटंचाईवर मात करण्याचा प्रयत्न केला.

राकसकोप अलाशयामधून बेळगांव शहराला पाणीपुरबठा केला जातो. जुन १९९५ साली जलाशयाची पाण्याची पातळी एकदम कमी झाली होती. त्यासाठी शहरातील जन्या विहिरी स्वच्छ करून पाणी प्रतता करण्याची योजना रावविष्णात आली. सदर योजना रावचुन आसपासच्या भागातील लोकांना शुध्द पाणी प्रविणे, जापिलेश्वर आणि मठ गाझी येथील विक्रिये स्वच्छ करून त्या

भागातील लोकांना सन १९९५ सालापासून पाणी परवता करण्यात चेत आहे.

सदर योजनेमार्फत या विहिरीवर जलशुभ्दीकरण प्रकल्प बसविण्यात आला आहे आणि त्यापासन दररोज ८ चॉडॉना १० लाख गॅलन पाणीपुरवठा केला जातो. या योजनेपासन जवळपास ३५ हजार लोकॉना पाणी पुरवछा होतो, संदर विहिरीतील जलश्रध्दीकरण प्रकल्पामुळे पाणी पुरवठा होत असल्याने पुढील १८ जुन्या विहिरींवर जलशुष्टीकरण प्रकल्प बसविण्याची योजना पालिकने आखली आहे.

कपिलेश्वर विहीर, मत गली विहीर, चीरभद्रनगर विहीर, शेंद्री गांधी विहीर, नाझर केम्प विशीर या विहिरींमधील गाळ काढून त्या स्वच्छ करण्यात आल्पा व त्यावर जलगृष्ट्रीकरण प्रकल्प बसवन या विडिरीचे पाणी नागरिकांना उपलब्ध करून दिले असून उथीरत विशिरीचा गाळा काढून ते पाणी नागरिकांना उपलब्ध करून देण्याची योजना आहे. त्या चिहिरींची नाचे पुढीलप्रमाणे- गुडलेड रोड चिहीर, रचत गझी विहीर, नवग्रह देवळा शेजारील विहीर, कोनवाळ मली विहीर, हिंदवाडी सभाष मार्केट, तेग्गीन गझी वडगांव, अळवण गळी, शहापुर, लिंगराज कॉलेज कॅम्प, शिवाजी उद्यान, सेक्टर नं, १०, महातेश नगर विहीर, गोंधळी पक्षी विहीर, नगर पोलीस कोलनी विहोर, कोंग्रेस रस्ता विहीर अशो आहेत.

 चापडे आणखोन चार वितिरोंना जलशुध्दीकरण प्रकल्प बसवण्याचे काम हाली पेतले आहे. १) खडक गाड़ी, २) शिवाजीनगर, ३) माळ मारुती (४) गृहशेह रीड, उपरोक्त प्रकल्प रोटरी जनब व इंडॉल



हाहरात भीषण पाणीटंबाई जाणेव लागल्याने अडगळीत पडलेल्या सार्व. विहिरीना भलतेच महत्त्व आले असन खडक गळीतील अशाच एका विहिरीची साफसफाई करण्यात येत असतानाचे छायाचित्र.

यांच्या सहकायनि हाती घेण्यात आले असून कुपनलिकांना जलगुध्दोकरण प्रकल्प ल्यामुळी सुमारे १५ इजारहन अधिक लोकवस्ती असलेल्या वसाइतींना पाण्याचा लाभ होणार आहे. यासाठी साहे बार लाख एक लाख ते एक लाख पन्नास हजार रू. रुपये खार्च अपेक्षित आहे.

आणि सन १९९७-९८ सालामध्ये ८ विहिरीवर जलश्रध्दीकरण प्रकल्प बसविण्याची योजना आखण्यात आली तोती.

बेळगांच शहरात एकण ४७३ कपनलिका खोदण्यात आल्या आहेत. विस्तारीत मागामध्ये अंदाजे ४० कुपनलिका असून त्यापासून ३ '' ते ४ हैंईच पाणी पुरवठा होत असतो, त्यामधून २०

बसविले असून त्यापासून ३५ हजारे शोकांना पाणीपरवठा केला जातो. अंदाजे प्रत्येक योजनेस खर्च असन एकण खर्च ३० सन १९९६-९७ मध्ये १० विहिसेंबर लाख झाला आहे. शहिलेल्या २० कृपनलिकांना जलश्वश्वीकरण ग्रकल्प बसवण्याची योजना अमून अपेक्षित खर्च ३० लाख येईल. यापासुन नवीन वसाहतीना पाणी प्रवठा करण्याचा निर्णय घेण्यात आला आहे.

पाण्याचा वाढता गैरवापर

पाण्याचा चाहता गैरवापर होत असल्याने शहरात भीषण पाणीटनाई निर्माण काली आहे. स्तर व उपनगरात

वाढत्या वसाहती व बांधण्यात येणाऱ्या होलेजेंग इमारतीच्या बांधकामांसाठी विषयाच्या पाण्याचा फार मोठ्या प्रमाणात वापर होत असल्याच्या असंख्य तक्रारी आहेत. दिवसेंदिवस वितिरीच्या पाण्याचा वापर कमी होत चालला असन महादाररोड. फुलबाग गाझी, तानाजी गांधी, कपिलेश्वर रोड, ज्ञास्तीनगर, भांदुर गझी, ताशिस्तदार गानी आदी शहराच्या सखल भाग असलेल्या भागात पाण्याची देखाई अधिक जाणवत असन वेथील विहिरोत भुयारी चटारातील सांहपाणी शिरल्याने त्या विक्रियेचा उपयोग करणे नागरिकांनी बंद केले आहे. त्याचबरीवर तेथे पाण्याचा परेसा दाव नसल्यामे पाण्याचा अपरा प्रवटा होत

अशी ओरड सतत या भागाती नागरिकांची आहे.

शहराला ५० लाख गॅलनचा पाणीपुरवट शहराला दररोज सध्या ५० लाग

गॅलनचा पाणीपुरवठा होत असून पूर्वी पाण्याचा प्रवठा ७० लाख गॅलन होत राकसकोप जलाशयातील पाण्या पातळी कमालीशी घटल्याने त्याचवरोब गेल्या वर्षी परेसा पाकस न झाल्याने । परिस्थिती उदभवली असल्याची माहित पालिकेचे उप कार्यकारी अभिगंता आर एस. नाईक यांनी दे, पढारीशी बोलता-हिली

त्याचवरोवर जुने बेळगांव सारख्य वपनगरात पाणीटंचाई जाणव लागल असन येथील नागरिक लगतच मळ्यातील बिहिरींचे पाणी वापरत आहेर पाणी लांब अंतरावरून आणले जात

-प्रशांत बर्डे

आहे. यासाठी काही विणक कामगरांना पाण्यासाठी काम चकव रहावे लागत आहे.

तेग्गीन गाझी वहगांव येथील एक सार्थ, विक्रिरीवर पंप बसवन ते पाण नागरिकांसाठी उपलब्ध करून दार अफ़ी मागणी था भागातील नगरसेवन सरेश किन्तुर यांगी महामौर गोविंदरा राऊत व आयक्त थे, बी, मदगल योग एका लेखी निवेदनादारे केली आहे. नियेदनाचा स्वीकार करून त्वरि कारवाई कारण्याचे आश्वासन महाप राजन यांनी दिले.

Officers from Hubli-Dharwad Corporation Visiting project site.



हुबळी- धारवाड मनपा अधिकारी शिष्टमंडळाला श्री. आर. एस. नाईक कपिलेश्वर पाणीशुष्टीकरण प्रकल्पाविषयी माहिती देत असताना

हुबळी- धारवाड मनपा अधिकाऱ्यांची लघुपाणी शुध्दीकरण प्रकल्पास भेट

बेळगांव, दि. ८ (प्रतिनिधी)- हुबळी-धारवाङ महानगरपालिकेच्या अधिकारीवर्गाच्या एका शिष्टमंडळाने काल् रोजी बेळगांव मनपाला भेट दिली आणि बेळगांव पनपाच्यावतीने कंपिलेश्वर, मठ गल्ली, शेट्टीगल्ली व विरभद्रनगर येथील सार्वजनिक विहिरीवर बसविण्यात आलेल्या लघुपाणी शुष्टीकरण प्रकल्पांची पाडणी करून त्याविषयीची संपूर्ण तांत्रिक माहिती घेतली.

शुष्दीकरण होऊन आलेल्या पाण्याची गुणवत्ता व चव तपासून पाहिली आणि त्यानी समाधान व्यक्त केले. सध्या हुवळी-धारवाड शहराना तीन दिवसापासून एकदा दर डोई २४ गॅलन इतके पिण्याचे पाणी पुरविले जाते. तरीही तेथील नागरिक या पाणीपुरवठ्यासंदर्भात पूर्णपणे समाधानी असून त्यांची कसलीही लकार नाही. मलप्रमा, नीरसागर, गुंडकल या तीन ठिकाणाहून पाणीपुरवठा होतो अशी बेळगांव मनपाच्यावतीने श्री. एम. गुरुराव व सहाय्यक अभियंते श्री. आर. एस. नाईकं यानी हुबळी- धारवाड मनपा अधिकाऱ्याना हवी असलेली सर्व माहिती संविस्तर दिली.

ती, शेट्टीगल्ली व विरभद्रनगर येथील जिनिक विहिरीवर बसविण्यात आलेल्या पाणी शुष्ट्रीकरण प्रकल्पांची पाठणी ल त्याविषयीची संपूर्ण तांत्रिक माहिती ल त्याविषयीची संपूर्ण तांत्रिक माहिती ली. शुध्दीकरण डोऊन आलेल्या पाण्याची शुध्दीकरण डोऊन आलेल्या पाण्याची वत्ता व चव तपासून पाहिली आणि ती समाधान ब्यक्त केले. सध्या हुबळी-याड शहराना तीन दिवसापासून एकदा डोई २४ गॅलन इतके पिण्याचे पाणी





De watering work under progress.

Reports from Tarun Bharat Marathi Daily

ands, Mr. 12 Julie trappi- di yemer witcure the teles of a state of a edited as and and star, and aft mon पर्ण नामको होता affe als survey for index, price end or other and alles measure sense first name in Porces dance that there are a समाजीमान प्रदान तामून राजीर्थनाः bere Roe and

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मठ गल्लीतील जलशुध्दीकरण

त प्रथम सन्दर का मागतेन होता जनामाने तीन सीनेमाना तातीलार पती प्रवत्नातांनी प्रतित प्रथन तंकालेका प्रवत्न पंत ज the view bound part products and the age and then and more were presented and the first product the first product the second or some the and or from and abund are not off.

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वीरभद्रनगर जलशुद्धीकरण प्रकल्पाल रोटरी इंटरनॅशनलचे भरीव सहाय्य संहन वेचील अँगवेल रोटरी क्लबने

बेडनांव दि. १४ (प्रतिनिधी) - अध्यक्ष थी, स्तेन पॅरी यावेडी बोलताना वैरमद्रनगर वेयील जल्ल्युद्धीकाण प्रयासे ग्रेटरी क्लब बेळगांव साऊवले हा प्रकल्पाना रोटरी इंटरनॅंगनलने २६,००० · जलप्रद्वीकरण प्रकल्प राववून नागरिकांना हॉसर्मची मदत देऊन येथील रोटरी करूब शुद्ध पाणी पुरवता कलम्पाची बोजना वेडभेर साउरच्य सांगलिक कार्यसा आखती, अनेक क्लब श्रेष्ठविक योजनेवर चालन दिलेली आहे. शहरातील पण्याची देखे खरतात. तर महत्या क्लबने ही टंबाई ल्लात थेऊन रोटरी क्लब बेडमान माणुसकीची योजना रावविलेली आहे. सातमने या मांगतील नगरिकांना शुद्ध व अव्यक्तम्यानावरून बोसताना नहापौर निर्जलक पानी देव्यासाठी मनमच्या सी विजयालस्मी चंघडे मानाल्या, दरवर्षी लडकायनि ही योजना रावविती हे उन्हाळ्यामध्ये बेळनाव शहरासा पाण्याची वरोषस्य मौरवरमद कार्य आहे, अले टंचाई मासत होती. मनमा आयुक्त ही. उदनार रोटरी क्लबचे थी.डी.बी. श्री. एन. डी. बी. नायक बांनी हे जल्लाद्वीकरण के कलकर्णी यांनी बोलताना काढले. प्रकृत्य झती घेऊन पाण्याची टंचाई दुर वीरमदनगर येथील जलमुद्धीकाम काण्याचा इयाल केल आहे.

प्रकल्पाचे उद्घाटन लंडननपील अमेनेत यावेडी उपमहापीर सर्वत्री जिवानी रोटरी क्लबचे अप्पत्त जी. ग्लेन मेरी व संउक्ता, मनमा आयुक्त ही, बी. नायक, महापौर सी. विजयालक्ष्मी बोमडे पांच्या माजी महापौर मालोझीराज अष्टेकर, हस्ते जान सकावी १०,३० वा, करण्यात, संघाती पार्टील, नगरसेवक नारायणसिंग आते. त्यावेळी क्री. एन. के. कुलकर्मी हे रजपूत, कल्लामा प्रधान व नलरसेंविका प्रमुख पहुंचे या नत्याने बेलत होते. सी. सालन प्रभु पांची सम्योचित भाषणे अववस्थानी महापीर सी. विवयाल्यमी हाजी

चेपदे या होत्या. वीरमद्रनगर पेवील या जलहद्वीकरणं प्रारंभी रोटरी क्लब बेडनांव साउवचे प्रकल्पासाठी रोटरीने तीन लाख ह... अध्यक्ष श्री. प्रबद्धन कामत यांनी स्वागत धनपाने फेलिसंग पर्हप सर्वल कलेकान, करून चाएम्पॉना पुम्पहार अर्पण केले. विहिरीची तंबी व विस्त वासाठी एकुण २ मत्या जायुक्त थी. ही, बी. नायक यांनी लाख ९५ हजार ह. खर्च केले आहेत. तर पहल्पांन पुष्पहर अर्पन करून त्यांचे विल्हीनची रिपेरी पी.इब्स्यू.डी.ने केलेली खागत केले. आहे. या प्रकल्पामुळे वीरमदनना क्रॉसीस,

श्री, बचन देशचंडे आपल्प प्रास्ताविक योलीस मुख्यालय, जिवाजीनना, भाषमात बोलताना समाले, रोटरी म्हंतेक्षनगर देवीत वीस हजार इंटरनेंडनहने संपूर्व यग पोलिओ मुक्त लोकसंख्येला पाणीपुरवत होगार आहे. करण्यासती पोलिओची तस उपतवा वा हार्यहम्प्राल जगरसेवह करन दिलेली आहे. रगरमंदिका व नागरिक मोठ्यासंघ्येने उपस्थित होते



during of status trains and firegous, forming during वेक्क्योरेंग वनीरे माणालील आणरिकांनी

सत्त विदिश्तिम क्रमी दूच दत्त. थी. जन्माधी क्षांगती आणि सायमलाकों सीच आपि पाला एव. के. विद्युत पंपाइटे- क्रेम्टर उत्तरूपचेडी त्यांकी साणितन धेक्षण्यात मेल असूल जेवद्यपालका सीन- या प्रकल्पास नगरसंस्कांनी मेरी देवल याः विदिर्गमुदे कर्णा संवय्याम गएँ जिलंग पहली सेली जसून जनमा अभियते थी. होत करता तरी प्रदर्भतवीवर काम मूल आज, एस, नाईक धांचेडी सामवर्ष सामत acreant deax seens or workfler orth. filmfore fine Schutchards

रोटरी पॉडिसन अमेरिक, रीटरी काव सायपूर्व बरावे, असेवी अध्याहन त्यांनी, जीव्येण इंग्लंड या जागतिक गांव्येकडून, पुनी, बाह्यमादेव बीडगी, इंगल नहे,

ल्लेन जार उनके राजिन भागानदेखील वितिही संगण्डात प्रेणार सहीत

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विवाय प्रसार काला काण्याती word wild while Straight Bauer mover, finate arrive, while and, filtura ल्यीर कलपनी उटनि कालर इलपनी off repairs from them the



महापौर सी. विजयालक्ष्मी थोपडे दीप प्रज्वलन करून कार्यक्रमाच्या शुभारंम करताना, बाजूला आयुक्त डी. २२ नायक, गांबिंद राऊल, संभाजी यादील, रमेश कुडची, शहर अभियंता गुरुराव, सहा, कार्यकारी अधियंता आर. नायक, अशोक पार्टील, अगिल जावव, परमाज व-माणीपुरवठा मंडळाचे कार्यकारी अभियंता थिम्मेगीडा

बळगांग, दि. गुभ (प्रसिनिधी) कविलेश्वर सलाव व मठ गठली येथील जिनी फिल्टर प्लेंट प्रमाणेख शहरामध्ये एकुल कहा सिनी फिल्टर प्लॅटब्या योजना कार्यान्विल करून पाण्याची देवाई दूर करण्यात येईल. अभी माहिती महापीद सी. विजयालक्ष्मी चोपडे मानी दिली, जाज दुपारी मठ गल्ली मनपाल्या अमृत जलकुम मिनी मिल्टर जीटने उत्तपाटन झाले.

अध्यस्त्यानागरता म्हार्यत्रध्माच्या कोलताना त्यानी वरील माहिती दिली

प्रारंभी मगरसेवक श्री, रणजित चव्हाण- पार्टील बानी स्वागत केले. त्यानंसर महाधीर सो, विजमालकोी बोपडे व मनमा आमनल की ही, बी नायक माच्या हस्ते विहिरीची व पिलटर फॉटचे शास्त्रीक्त प्रधातीने पूजन करण्यात आले. सी, विजयालस्वी नोपडे बांख्या हरते मिनी फिल्टर प्लेंट्रेशे लॉक्य खुसे करूल पाणीपुरवठा सुरू करण्यात जाला.

मायुवल डी, डी, बी, मायवह, विभी फिल्टर कॉटने उत्पादक थी. अशोक जोशी न पाणीपुरनटा निमामाचे सहा. कार्यकारी अभिवंता थी. जार, एस. नावक न

३ वार्डना फायवा

विरोधी वेते थी. रमेश कुछची पावेली लाख रू. पाये जिनी फिल्टर जॉट म्हणाले शहराची लोकसंख्या व निरतार असल्याने जी पोलना प्रत्याला व वादल्यामुळे गेल्या ४- ५ वर्षाणात्त्व भागपाला पाण्याची डेयाई भागल आसे १९९०- १९९१ पासन आजलागापत लाहरामध्ये एक्सण 140 कुपनलिका क्षीत्रणमाल आलेल्या sinter. कुपनलियेत्वरोबरच सनपाने STEEL पाहरातील विक्रियेवर मिनी फिल्टर प्लॅंट योजना हाती घेतलेल्या आहेत. कपिलेश्वर ब मह राग्नी या दोन बोजनामुळे ५० हजार नागरिकाना पाणीपुरचटा मुबलक होणार आहे. मनमाने आहर सुधारणेवरोवर पाण्याची समस्याही दूर करण्यासाठी यह मोजमा हाती घेतलेल्या आहेत.

भी, संभाजी पालील महणाल, शाहरातील पाण्याची दंशाई दर कारण्यासाठी मनपाने कृपनतिमा खोदलेल्या आहते. परंगु एका कुवनलिकेला ५० समार स. मा खार्च बेली. टैनारने पाणीपुरवठा केला लगी मनपाला लाखो रू. खर्च येतो. परंतु मिली फिल्टर फाटमुळे वजयमस्वरूपी योजना कार्यान्वित रहाणार आहे अदीन ते तीन

scour and, fames winds मनपाच्या बाट्याला की नियी बेलो ഷ मनपाच्या आर्थिक हलाखीमुळे सरता ह वन्डीण आहे. म्हणून तो निगरी सरकार छ भराना, अशी त्यांनी मागणी केली.

या कार्यक्रमाला नगरसेवक्ष सर्व 2 मोहम्मब पिरजावे, जानिल जायव, गट 14 गानिदरान राण्डल, मधुवन्त वाधमां आण्पासाहेश पुजारी; राजन हलवसी, सरे, मळीक, आशोक पाटील, डिवाल हलगेकर, सुरेश किल्लर, नेलाजी आधव गलाभग आगदेकर, एस. जी. कथासी अंडेवाले, नगरसेविका शी. सालन प्रभू शी, अग्रमा सामिलवार, सी, संयोगित राजनेकर, आररोग्ध समितीच्या केवारभः सो, जमूना रजपुरा, सो, शिला देशपांडे एम. गुरुराव, कर्नाटक शहर पाणीपरवड योजनेचे कार्यकारी अभियंता विभोगीडा । मनपाचे कर्मचारी उपस्थित होते. जेवर्ट नगरसेवक की, सरमराज घरमाज मानी STRUE HUND

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Reports from Tarun Bharat Marathi Daily on Inaugurations of Units.



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Reports from Tarun Bharat Marathi Daily on Inauguration of Units.

वीरभद्रनगर जलशुद्धीकरण प्रकल्पाला रोटरी इंटरनॅशनलचे भरीव सहाय्य

बेळगांव दि. १४ (प्रतिनिधी) -वीरमद्रनगर येथील जलभुद्धीकरण टंबाई लक्षात घेऊन रोटरी क्लब बेळगाव माणसकीची योजना राबविलेली आहे. साज्यने या भागातील नागरिकांना शुद्ध व के, कलकर्णी यांनी बोलताना काढले.

बीरमद्रनगर येथील जलशुद्धीकरण करण्याचा प्रयत्न केला आहे. प्रकल्पाचे उदघाटन लंडनमधील अँमवेल अध्यक्षस्थानी महापौर सौ. विजयालक्मी झाली चोपडे या होत्या.

स्वागत केले.

इंटरनॅशनलने संपूर्ण जग पोलिओ मुक्त करण्यासाठी पोलिओची लस उपनब्ध यासन दिलेली आहे.

लंडन येथील ॲंमवेल रोटरी क्लबचे अध्यक्ष श्री, ग्लेन पेंरी यावेळी बोलताना म्हणाले, रोटरी क्लब बेळगांव साऊचने हा प्रकल्पाला रोटरी इंटरनॅशनलने २६,००० जलशाद्वीकरण प्रकल्प राबवून नागरिकांना डॉलर्सची मदत देऊन येथील रोटरी क्लब शद्ध पाणी पुरवठा करण्याची योजना बेळगांव साऊखच्या सामाजिक कार्याला आखली, अनेक क्लब शैक्षणिक योजनेवर चालना दिलेली आहे. शहरातील पाण्याची यैसे खर्च करतात. तर माझ्या क्लबने ही

अध्यक्षस्थानावरून बोलताना महापौर निर्जतक पाणी देण्यासाठी मनपाच्या सौ. विजयालक्ष्मी चोपडे म्हणाल्या, दरवर्थी सहकार्याने ही योजना राबविली हे उन्हाळ्यामध्ये बेळगांव शहराला पाण्याची खरोखरच गौरवास्पद कार्य आहे, असे टंचाई मासत होती. मनपा आयुक्त श्री. उदगार रोटरी क्लबचे पी.डी.जी. थी. एन. डी. बी. नायक यांनी हे जलशृद्धीकरण प्रकल्प हाती घेऊन पाण्याची टंचाई दर

यावेळी उपमहापीर सर्वश्री शिवाजी रोटरी क्लबचे अध्यक्ष श्री. ग्लेन पॅरी व सुंठकर, मनपा आयुक्त ही. बी. नायक, महापौर सी, विजयालक्ष्मी चोपडे यांच्या माजी महापौर मालोजीराव अच्टेकर, हस्ते आज सकाळी १०.३० वा, करण्यात संभाजी पार्टील, नगरसेवक नारायणसिंग आले. त्यावेळी श्री. एन. के. कुलकर्णी हे रजपत, कल्लाप्पा प्रधान व नगरसेविका प्रमुख पाहणे या नात्याने बोलत होते. सौ, लालन प्रभु यांची समयोचित मायणे

वीरमदनगर येथील या जलशद्धीकरण प्रारंभी रोटरी क्लब बेळगांव साऊयचे प्रकल्पासाठी रोटरीने तीन लाख रु., अध्यक्ष श्री. प्रकाश कामत यांनी स्वामत मनपाने फेन्सिंग पाईम लाईन कनेक्शन. करून पाहण्यांना पुष्पहार अर्पण केले. विहिरीची उंची व ग्रिस्स यासाठी एकुण २ मनपा आयुक्त श्री, डी, बी, नायक यांनी लाख ९५ हजार रु, खर्च केले आहेत. तर पाहण्यांना पुष्पहार अर्पण करून त्यांचे बिल्हींगची रिपेरी पी.डब्ल्यू.डी.ने केलेली आहे. या प्रकल्पामुळे चीरमदनगर क्रॉसीस, श्री, बबन देशपांडे आपल्या प्रास्ताविक पोलीस मुख्यालय, शिवाजीनगर, माथणात बोलताना म्हणाले, रोटरी महतेशनगर येथील वीस हजार लोकसंख्येला पाणीप्रवठा होणार आहे. या कार्यक्रमाला नगरसेवक. नगरसेविका व नागरिक मोठ्यासंख्येने लपरिवन होते



तेडी गल्ली येथील चिहिरीवर बसविण्यात आलेल्या जलशुष्टी प्रकल्पाचे उद्घाटन करीत असताना जिल्हाधिकारी श्री. प्रदीपसिंग खरोला, बाजुला उपमहापीर श्री. शिवाजी सुंठकर, श्री. आर. एस. नाईक

पाणीपुरवठा, स्वच्छता हेच पालिकेचे कार्य : जिल्हाधिकारी

बेळगांव, वि. १४ (प्रतिनिधी)- 'आज सकाळपासून आतापर्यंत अनेक लोकोपयोगी प्रकल्पांचे उद्याटन करण्याची संधी मला मिळाली, याचे श्रेम मनपाकडे जाते. या प्रकल्पांच्या उभारणीमुळे मनमा या कार्याबहल भी समाधानी आहे, मबलक पाणीपुरवठा व स्वच्छता राखणे ही नगरपालिकांची आत्यावश्यक सेवा होय.

द्विकरण प्रकल्पाला नचे भरीव सहाय्य

लंडन येथील अमबेल रोटरी कलबचे अध्यक्ष श्री, ग्लेन पॅरी यावेळी बोलताना माणाले. रोटरी क्लब बेळगांव साऊचने हा जलशुद्धीकरण प्रकल्प रावयून नागरिकांना श्रद्ध पाणी पुरवठा करण्याची योजना आखली, अनेक क्लब शैक्षणिक योजनेवर पैसे खर्च करतात. तर माझ्या क्लबने ही माणसकीची योजना राबविलेली आहे.

अध्यक्षस्थानावरून बोलताना महापौर सौ. विजयालक्ष्मी भोपडे म्हणाल्या, दरवर्षी उन्हाळ्यामध्ये चेळगांव शहराला पाण्याची टवाई मासत होती, मनपा आयुक्त थी. ही. बी. नायक सांनी हे जलश्रहीकरण प्रकल्प डाली पेकन पाण्याची टंचाई दर करण्याचा प्रयत्न केला आहे.

यावेळी उपमहापीर सर्वश्री शिवाजी संडकर, मनपा आयुक्त ही, बी: नायक, माजी महापौर मालोजीराव अष्टेकर, ज्या नगरपालिका या सेवा वशस्तीपणे राववितात त्याच गाऱ्या उत्कष्ट नगरपालिका होय, स्वच्छतेची अपेक्षा फक्त मनपाकदनच करणे चुकीचे आहे. नागरिकोनीही आपापला परिसर स्वच्छ ठेवण्याची जबाबदारी उचलली पाहिजे' असे आवाहन जिल्हायिकारी प्रदीपसिंग खरोला यानी केले.

शेडींगल्ली येथील सार्वजनिक विडिरीगर मनपाध्यावतीने जलशृष्टीकरण प्रकल्प उमारण्यात आला आहे. त्याचे उद्घाटन आज दपारी जिल्हाधिकाऱ्यांच्या हस्ते करण्यात आले. त्याप्रसंगी भडकल गल्ली नेथे आयोजित समारंभात ते बोलत होते.

शेडीगल्ली येथील जलशाध्दीकरण 'कोनशिला' सच्या प्रकल्पाची कानडीमध्येच होती. तिचे अनावरण जिल्हाधिकाऱ्यांच्या हरते करण्यात आले त्यावेळी उपस्थितांच्या ध्यानात ही गोष्ट आली, त्यावेळीडी मराठी नगरसेवकांगी तीव्र आसेप धेतला. पण तेष्ठाठी आयुक्तानी लगेचन त्याठिकाणी दुसरी मराठीशीही कोनशिला बसवितो, असे अगम्बासन दिल्याबरोबर या सर्व नगरसेवकांचा विरोध क्षणात मावळला. सर्वजण आनंदात निघुन गेले.

प्रारंभी विलास बहुव्हरकर यागी ईशस्तवन केले व सी. वाथ. गोकाक याने सर्वांचे स्वागत केले.

आजच्या समारंभात जगरसेविका ग जालन प्रमु, कु. अरमा ताशिल समाजी पादील, रमेश कुंडची, राफत, आययत देवेंद्र मायक, उप



शेट्री गल्ली येथील चिहिरीयर बसविण्यात आलेल्या जलशायी प्रकल्याथे उद्यादन करील असतामा जिल्हाविकारी त्री. प्रदीपसिंग खरोला, बाजुला उपमहापौर श्री, शिवाजी सुंठकर, श्री, आर. एस. माईक

पाणीपुरवठा, स्वच्छता हेच पालिकेचे कार्य : जिल्हाधिकारी

राधी मला मिळाली. याचे शेम मनगाकडे 'अला मलगाकडूनच करणे खुडीचे आहे. आणे. या प्रश्रत्यांच्या अमारणीमुके मलपा नागरिकालीडी ठायपायला परिसर स्वच्छ या कार्याबद्दल यी समाधानी आहे. मुखलक, ठेवण्याची जवाबदारी प्रचलली पाहिले' पाणीपुरबता व स्वय्वन्ता राखणे हो असे आवाहन जिल्हापिकारी प्रदीपसिंग लगापासिकांची आत्याध्रहयक रोगा होये. खरोला याणी केले.

बेळगांव, दि. १४ (प्रसितियो), 'आज ज्या नगरपालिका या रोवा यशस्तीपने सकाखपासून आतापर्यंत अनेक राषविसात त्याच क्राण्या उत्प्रत्य लोकोपयोगी प्रकल्पांचे उद्घाटन करण्याची। नगरपालिका डोय, स्वच्छतेची अपेक्षा

शेष्ट्रीगल्ली येथील सार्वजीयक बिहिरीयर वनपाच्यावतीने जलशुष्यीकरण प्रकल्प उपारण्यात आसा आहे. त्याचे उद्घाटन आज पुपारी जिल्हायिकान्यांच्या हरते करण्यारा आले. त्याप्रसंगी महनस्त नल्ली वेचे आयोजित समारणात ते बोलत होते.

रोडीगरली येथील जससूष्यीकरण प्रकल्पाची "कोनशिसा" संच्या कानग्रीमध्येच होती. तिचे जनावरण जिल्हाधिकाऱ्यांच्या हरते करण्यात आले. त्यानेळी उपस्थितांच्या व्यानास ही गोष्ट जाली. त्यावेजीही मएठी नगरसेवकांनी तीम आसेच धेलला, पण लेकासी अत्यूक्तामी लगेवच त्याठिकाणी दुसरी मराठीचीडी कोनसिला बसवितो, असे आश्वासन दिल्याबरोबर या सर्व नगरसेवकांचा विरोध समात मानळला, सर्वजण आनंदात निधून रोसे.

प्रारंभी विलास पश्चखुरकर याणी रंगरतवन केले व सी. पाच, गोवप्रक यानी मवर्षि स्वागल केले.

आजच्या समारंभात नगरसेविका सौ. गलन प्रमु, कु, अस्मा लाशिलवार, रभावती पार्टील, रनेशा मुठ्ठभी, गोविड रकत, आमुक्त देवेंद्र मॉपक, जप्रसापीत विवामी सुंडकर, अक्षणीट सी, विवासल्हनी रपटे पाचीही समयोधित मापने माली.

Inauguration of Veerbhadra Nagar Unit by Rotary Amwell President, Glen Parry.

ीरभद्रनगर येथील जलशुद्धीकरण प्रकल्पाचे उद्घाटन करताना अँमवेल रोटरी ग्बचे अध्यक्ष ग्लेन पॅरी, बाजूला रोटरीचे पी.डी.जी. एन. के. कुलकर्णी, र प्रकाश कामत व नगरसेवक.

Divisional Comm. and Dy. Comm. inspecting water delivery at Kirloskar Road.



Inauguration of Shetty Galli Unit by Dy.Comm.



ಜಿಲ್ಲಾಧಿಕಾರ ಪ್ರದೇಶಸಿಂಗ್ ಖರೋಲಾ ಅವರು ಶೆಟ್ಟಿಗಲ್ಲಿಯಲ್ಲಿ ಜಲ ಶುದ್ಧೀಕರಣ ಘಟಕವನ್ನು ಉದ್ಘಾಟಿಸಿದರು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಶ್ರೀಮತಿ ಬೋಪಡೆ, ಶಿವಾಜಿ ಸಂರಕರ ರಮೇಶ ಕುಡಚೆ, ಆಯುಕ್ತ ಡಿ.ಐ.ನಾಯಕ, ನಗರ ಸೇವಕರು ಉಪಸ್ಥಿತರಿದ್ದರು.

ಬೆನಾವಿ.೧೪ ನರಕ್ಕೆ ಕುಡಿಯವ ನೀರು ಪೂರ್ಧಕಯ ಹಿಡಕಲ್ ಯೋಜನೆ ಕಾದ್ರ ಚುರುಕುಗೊಂಡಿದ್ದಾ ಡಿಸೆಂಬರ್ ತಿಂಗಳ ಆಂತ್ಯದವೇಳೆಗೆ ನಗರಕ್ಕೆ ಘಟಪ್ರಭಾ ಸದಿ ನೀರು ಪೂರ್ಧಕಯಾಗಲಿದೆ ಎಂದು ಭೆಲ್ಲಾಧಿಕಾರಿ ಪ್ರದೀಶಸಿಂಗ್ ಕುರೋಲಾ ಅವರು ಹೇಳಿದರು. ವಗರದಲ್ಲಿ ಇಂದು, ಮುಂಜಾನೆ

ತಟ್ಟಗಲ್ಲಿಯಲ್ಲಿ ಸಬಾವಿಗೆ ಬೋಡಿಸಲಾಗಿರುವ ಜಲತುದ್ದೀತರಣ ಘಟಕವನ್ನಾ ಉದ್ರಾಟಿಸಿ ಮತ್ತು ಯೋಜನೆಗಳ ಕುರಿತಾದ ಕಿರುಷೂತ್ರಿಗೆ ಬಿಡುಗಡೆ ಮಾಡಿ ಮಾತನಾಡುತ್ತಿದ್ದ ಅವರು ಯಾಪ ಸಾಧಪಾಲಿಕೆ ಜನತಿಗೆ ಕುಡಿಯುವ ನೀಡಿ ಮತ್ತು ಸ್ವಚ್ಛ ಸಗರಾಜ್ಯಾ ಕೊಡುತ್ತದೆ ಅದು ಉತ್ರಮ ಎಗುಪಾಲಿಕೆಯಾಗಿ ಜನವಿಯ ವಿಸ್ಥಾಸಗಳಾತ್ರದೆ ಈ ವಿಸೆಯಲ್ಲಿ ಇಲ್ಲಿಯ ವಗರ ಸೇವಕರು ಕಾಡಿಯುವ ನೀಡು, ಸ್ವಚ್ಛನಗಳ ನೀಡುವಲ್ಲಿ ಮಾಡುತ್ತಿರುವ ಪ್ರಯತ್ನ ಸ್ಥಾಘನೀಯ ಎಂದು ತಮ್ಮ ಮೆಚ್ಚುಗೆಯನ್ನು ಪ್ರಕ್ರಪಡಿಸಿದರು. ಎರಹುಳುಗಳ ಸಹಾಯದಿಂದ ಮಹಾನಗರ ಸಭೆಯವರು ನಗರದಲ್ಲಿ ಸ್ಪಚ್ಛತೆ ಕಾಪಾಡಲು ಪ್ರಯತ್ನ ಮಾಡುತ್ತಿದ್ದಾರೆ. ಅದಕ್ಕೆ ನಗರದ ಜನತೆ ಸಹಕಾರ ನೀಡಿ, ನಗರವನ್ನು ಸ್ವಚ್ಛವಾಗಿಡಲು ಅನುವು ಮಾಡಿಕೊಡಬೇಕೆಂದು ಮನವಿ ಮಾಡಿಕೊಂಡರಲ್ಲದೇ, ಗುಜರಾತ್ ರಾಜ್ಯದ ಸೂರತ್ ನಗರದಲ್ಲಿ ಹೊಲಸಿನಿಂದಾ ಗಿರ್ದೇ ಭೀಕರ ರೋಗ ಹರಡಿ ಹಲವಾರು ಜನರ ಶ್ರಾಣ ತೆಗೆದುಕೊಂಡಿತ್ತು. ಅದರಿಂದ ಪಾಠ ಕಲಿತ ಅಲ್ಲಿಯ ಜನರು ಸೂರತ್ ನಗರದಲ್ಲಿನ ಎಲ್ಲ ಹೊಲಸನ್ನು ಕೇವಲ ಮಾರು ತಿಂಗಳಲ್ಲಿ ತಗೆದುಹಾಕಿ ಸುಂದರಗೊಳಿಸಿದ್ದಾರೆ. ಈಗ ಆದು ಪ್ರಹುಚದಲ್ಲೇ ಅತ್ಯಂತ ಸುಂದರ ನಗರವಾಗಿದೆ ಅಲ್ಲಿ ಮಾಡಿದ ಕೆಲಸವನ್ನು ಬೆಳಗಾವಿ ನಗರದಲ್ಲೂ ಜನರು ಮಾಡಿ ಸಗರವನ್ನು ಸುಂದರವಾಗಿ ಇಟ್ಟುಕೊಂಡು, ನಗರದ ಕೀರ್ತಿಯನ್ನು ಸುಬ್ಬಿಸಿ ಕೊಳ್ಳಬೇಕು ಎಂದು ಸಲಹ ಮಾದಿದರು.

ಇದೇ ಸಂದರ್ಭದಲ್ಲಿ ಮಾಜಿ (ಕೊನೆಯಪುಟಕ್ಕೆ)



शेट्टी गल्ली येथील विहिरीवर बसविण्यात आलेल्या जलशुध्दी प्रकल्पा उद्घाटन करीत असताना जिल्हाधिकारी श्री. प्रदीपसिंग खरोला, बाजू उपमहापौर श्री. शिवाजी सुंठकर, श्री. आर. एस. नाईक

पाणीपुरवठा, स्वच्छता हेच पालिकेचे कार्य: जिल्हाधिकारी बेळगंव, दि. १४ (प्रतिनिधी)- 'आज ज्या नगरपालिका या सेवा यशस्व

बळगाव, 1द. 98 (प्रातानचा)- जाज सकाळपासून आतापर्यंत अनेक लोकोपयोगी प्रकल्पांचे उद्घाटन करण्याची संघी मला मिळाली. याचे श्रेय मनपाकडे जाते. या प्रकल्पांच्या उमारणीमुळे मनपा या कार्याबद्दल मी समाधानी आहे. मुबलक पाणीपुरवठा व स्वच्छता राखणे हीं नगरपालिकांची अत्यावश्यक सेवा होये. ज्या नगरपालिका या सेवा यशर्स्व राबवितात त्याच खन्या उत नगरपालिका होय. स्वच्छतेची अ फक्त मनपाकडूनच करणे चुकीचे अ नागरिकांनीही आपापला परिसर स् ठेवण्याची जबाबदारी उचलली पाहि असे आवाहन जिल्हाधिकारी प्रदीप खरोला यानी केले.)ोद्रीगल्ली येथील सार्वजनिक विहि

Inauguration of Unit at Kirloskar Road by Divisional Comm.



ಜಲ ಶುದೀಕರಣದ ಘಟಕವನ್ನು ಉದ್ರಾಟಿಸಿದರು.

Divisional Commissioner K Jyothiramalingam inaugurating a mini-water filter unit at Kirlowkar Road in Belgaum on Tuesday. Deputy Commissioner Pradeep Slogh Kharola, corporator Lalan Prabhu, Commissioner D B Nalk, Assistant Engineer R S Nalk and Mayor Godindens Rout are also seen.

Ladies Performing Pooja of Well,



