

FIRE FOUNTAIN

MONDAY, NOVEMBER 15, 2010

Tubri in action 2010



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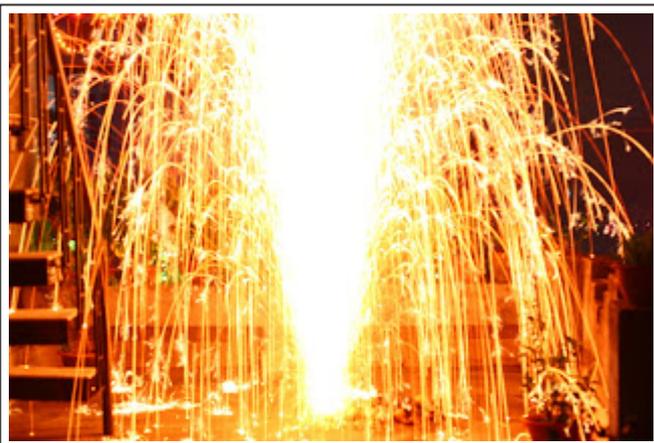
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Red tubri of this year



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WEDNESDAY, JANUARY 14, 2009

Since childhood we i mean Me(Laltu), Partha and Pappu are really fascinated about tubri but then after watching for 4 years we decided to build our own to compete others and yes decided.

Since 1997 we are then building our own fountains. Oh sorry this fire



fountains is basically a fire works seen in [Indian Kali Puja](#).

Regarding this I really like to mention [Partha](#) one of my school friend but he is no more in this team now. Also we have got some valuable ideas from [Kanu and Manu Da](#) owner of a hardware shop in Tetultala. Now only two members are there in the fire fountain team me (Laltu) and Pappu and both of us are now in the special services.

OK, first i will let you know the steps and ingredients required to make this and then i will go on detailed description of each steps and obviously with the meaning full images. But please remember steps are not so hard but really a hectic process. Collecting ingredients is little hard but it really depends on where u live in. Yes it will be a big problem who lives in remote areas and really big metro cities.

Ingredients Required:

1. A special clay made container [called tubrir khol](#)
2. Iron dust / Almunium dust [called lohachur/aluminium chur](#)
3. Sodium Nitrate [called Sora](#)
4. Wood Charcol [called Kath Koila](#)
5. Sulpher [called Gandhak](#)
6. **Magnesium Powder**
7. Old news paper
8. Soil
9. A Mixer and Blender
10. Pencil and Paper
11. Weight machine

The most important thing is the ratio and this is the waighted ratio and of two different types. One is for Iron dust and one is for almunium dust.

1. 16:12:4:3:2 > Iron : SodiumNitrate : Sulpher : Wood Charcol :
Magnesium Powder

2. 18:12:4:3:2 > Almunium : SodiumNitrate : Sulpher : Wood Charcol :
Magnesium Powder

Now below are the pictures of each material except magnesium powder, pencil, paper, Mixer

Tubrir Khol



Loha Chur



Sora / Sodium Nitrate



Gandhak / Sulpher



Wood Charkol



Soil / Earth Material



So hope you understand how all the materials look like now in the next section i will describe the steps required and details of it.

Steps Required:

1. Cut old news papers into small pieces like normal normal notebook pages
2. Add little bit of water to the dry soil dust and make it little soft
3. grind the iron dust and then filter out the dust and non ionic elements
4. You need to prepare the sodium nitrate like table salt and should be very dry.
5. need to mix wood charcoal and sulphur properly.

Preparing the mixture:

Above you have seen all the ingredient pictures and now you know each of them. So first take two news papers and we will use it to mix all the elements by hand. First take a marble block and then spread iron over it and grind it carefully with any hard material able to do that. See the picture below.

In this picture you can see that we are using a rectangular shape marble rock to grind the elements. You must put lot of time doing this and finally use a filter to filter out the unnecessary elements from the iron dust.

Next you have to do the same thing for sodium nitrate also and please remember you should use very dry sora otherwise it will not work.

Also do this processes for each element and do these separately for each of them. Now i will explain how to mix each of them in the next section. Next you need to mix iron dust and sodium nitrate as shown in the next picture.

Also in the next image you can see how it looks after mixing.



So now iron and sodium is mixed and pile it completely like the next picture.

Piling and mixing by hand is also shown beautifully in the next

picture.



So till now your half piling of elements is done and now next part is to mix salphur and wood charcol to the piled mixture and mix it by hand very carefully. Also please note all the materials should be very dry and keep safe distance from water and fire both.

Mix and Mix very well and it will much better if you mix it for half an hour and then dry it in sunlight and then again mix it and again dry it in sun light.

After mixing it will look like the image below.

this image is not good to show you how it should actually look. its a pre mixing picture

So mix it very carefully and with full dedication.

Now the most important part is to fill the containers with the mixtures. Take a small amount of mixture and fill the container and it should fill 1/4 th of the container. Then use your thumb to press the mixture inside the Khol. Pres it more and more so that it gets tight into the Khol. Then again take small amount of mixture and repeat the same process and fill just below the neck. Remember you need to seal the container with paper and soil so leave adequate space for that. You can use a iron rod to fill the container tightly with the mixture as shown in the picture. See and try to understand the



process in the images below.





Hope now you understand the filling process and to with your full dedication and no hurry. pressure and tightness of mixture inside the container is the most important part.

No next thing is to seal the container with the paper and soil. From the back side of the khol insert small pieces of paper so that no mixture came out from the hole. Then use the soil to seal it completely. This process are also show completely in the below images.







No check your hand it will look like bloody _____ and you will say _____



Next i will try to upload some videos and other methods and experiments.

MIXTURE PREPARATION SHEET

EDIT WITH CARE

Thanks,
Fire fountain Team

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