



**INSTALLATION OF SOLAR STREET LIGHTS IN SOME  
VILLAGES IDENTIFIED AS BADLY DAMAGED BY  
FLASH FLOODS IN UTTARAKHAND – JOSHIMUT  
BLOCK**

**“A BIRDS EYE VIEW”**

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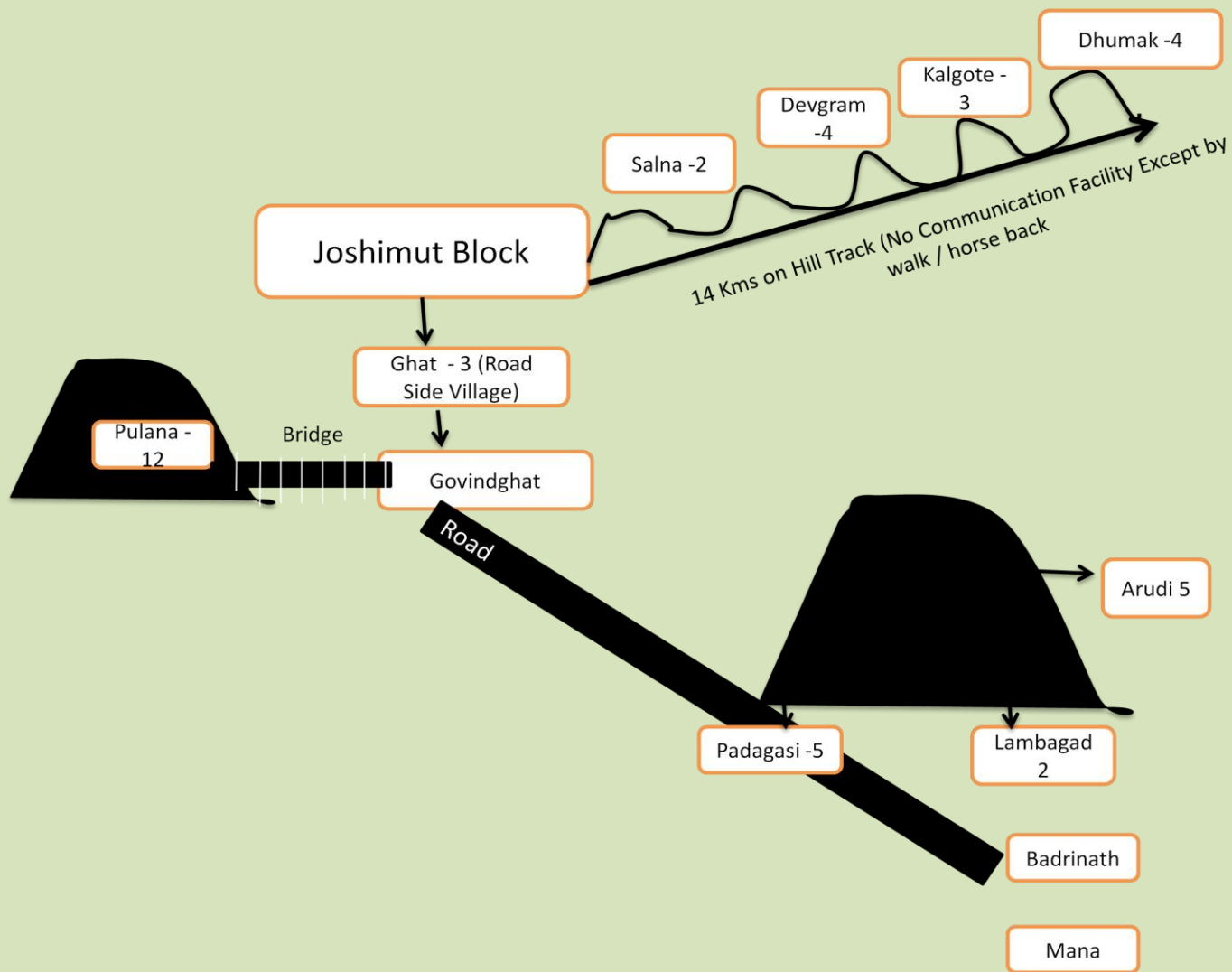
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## Travel Route

Delhi  
Dehradun  
Rishikesh  
Rudra Prayag  
Karna Prayag  
Chamoli (District HQ)  
Pepal Koti  
Joshimut (Block)  
Govindghat  
Badrinath  
Mana



## Street Lights Installed in villages of Joshimut Block



## **Natures Fury in Deavabhoomi:**

The Himalayan state of Uttarakhand was hit by torrential rain and cloud burst in certain locations on 14<sup>th</sup> through to 17<sup>th</sup> June 2013

- It is the highest rain fall recorded in 20 years in a 3 day period which triggered landslides and flash floods in multiple locations
- The erratic weather conditions have been attributed to early monsoons and thus flash floods.
- The rivers viz Ganges, Alaknanda and Bhagirathi swelled up and given the steep gradients in the mountains.
- The water along with silt and debris broke all the bounds, gathered tremendous momentum and swept down as an inexorable force causing widespread destruction



## **Disaster Effects - Flash Flood of Tears:**

- With no warning and time to evacuate there are a large number of fatalities and much distress among inhabitants
- The area affected particularly remote and environmentally fragile with limited transport connectivity
- An estimated 70,000 pilgrims and tourists were stranded with the few roads cut off and bridges connecting key towns collapsed
- Public infrastructure such as roads and vital bridges, houses, govt. buildings, schools and health centres have been badly damaged
- The disaster has crippled the lives and livelihoods of a very large number of empowerished and rural poor
- Though several rehabilitation measures were taken still 413 villages remain cut off
- Lack of supply of clean drinking water and other basic necessities is still a great challenge to be addressed
- Hundreds of livestock faced starvation, injury and even death



**Disaster Effects**



## Devastating Flash Floods in Uttarakhand – A KSK Hyderabad Employees Initiation in providing street lights by their contribution



The disaster in Uttarakhand attracted attention nationwide. Though fully aware of the huge relief efforts being undertaken and contributions coming from through out the country, the staff of KSK decided to

contribute one days wages towards providing some relief to the flood affected in Uttarakhand. The staff wanted that their contribution, though small, must make an impact. In this endeavor they sought the help of S3IDF, a voluntary organization of which the Chairman of KSK, Padmbhusan Mr.T.L.Sankar was the Director. Mr. Sankar sent Mr. N Md Shajahan to visit the site and ascertain the nature assistance that could be provided from Hyderabad. Mr. Shajahan was provided local guidance by M/s. THDC.

Mr. Shajahan went on a tour of about one week meeting the affected families and sarpanchas of affected villages. The villagers had informed that they had been receiving sufficient quantities of food stuffs, blankets etc. but in the absence of power supply were living in the dark. A number of agencies had provided them with home lighting systems but one felt requirement was street lighting. Accordingly, a scheme for providing Solar Street Lighting in 9 remote villages was finalized. This enabled KSK employees to make a contribution by addressing a felt need of the villagers which till then had not been addressed by the large number of government as well as philanthropic agencies that were providing relief operations in the area.

In fact, the KSK contribution provided them with a facility that was not available even before calamity and the scheme was received with great enthusiastic by the entire village. In fact, the villagers offered to bear the full cost of transportation of the materials from the road point to their village and provide labour for installing the lights. Since, these villages are located 5-20 kms away from the road points, the equipment had to be carried on horse back to some villages.

The scheme consisted of 40 solar street lights consisting of 4 meter height galvanized poles, 75 W Crystalline Silicon Panel, Exide Tubulor Battery and 12 W LED lights of high quality capable of withstanding extreme cold temperatures. These lights

Name of the Village Ghat

No. of Households: 40

No. of Solar Street Lights Installed: 3

Name of Sarpanch / Pradhan / Social Worker: Mr. Bhakatawar Singh Punali

Mobile: 9411350278

- ❖ The houses are very badly damaged
- ❖ Households are living in temporary sheds
- ❖ The houses are scattered and located on the upper portion of river bank
- ❖ The houses located on the banks of river totally got damaged and not fit for living
- ❖ There is no lighting facility in those habitations.
- ❖ The UREDA has supplied certain CFL lanterns which can provide lighting for a few hours.
- ❖ The cattle are kept outside the temporary sheds in the open air.
- ❖ There are instances of wild animals attacking the cattle and causing loss to the poor people.
- ❖ The bear's attacking cattle and human beings in a common feature.
- ❖ No schooling for children.
- ❖ No drinking water supply at the habitations.
- ❖ Shurbs are around the temporary sheds and there is danger of snakes and scorpion bites.
- ❖ Govidaghat is the only big village nearer to ghat to take care of medical and other domestic needs.
- ❖ 3 Street lights have been installed in the village
- ❖ People are very happy for lighting up the area and safeguarding the people and cattle from the menace of wild animals.



Women Expressing Happiness on Installation of Solar Street Lights



Temporary Sheds Provided by the Govt.



Name of the Village: Pulna

No. of Households: 102

No. of Solar Street Lights Installed: 12

Name of Sarpanch / Pradhan / Social Worker: Mr. Govind Singh Chaughan, Manoj Chauhan, Mobile: 7500303195, 8193987332

- ✓ The village is located on top portion of the steep hill which is around 4 Kms from road point (Govind Ghat)
- ✓ A portion of the main road(National Highway) from Govind Ghat to Badrinath is washed away by flood waters.
- ✓ The village road laid from Govind Ghat to Pulna is totally washed away by flood waters.
- ✓ The hotels and other business shops were damaged very badly and they are not fit for living.
- ✓ The military officials have laid a temporary bridge across the river connecting Govind Ghat and the path way leading to Pulna village.
- ✓ Villagers have to climb down around 20 meters and walk 1 Km to reach the temporary bridge and go to other side connecting to path way of Pulna.
- ✓ Presently villagers are carrying rice bags, gas cylinders and other consumption goods on their back and walk about 4 Kms to reach the village.



A Birds Eye View of Flood Affected Pulna Village



People carrying domestic consumption goods on the horse back

- ✓ Very bad sight is woman and children carrying above domestic needs on their back, walking around 4 Kms to reach the Pulna Village.
- ✓ There is facility to visit the village on horse back by paying Rs. 500 per trip.
- ✓ The village is in total darkness during nights except a few lanterns supplied by UREDA.
- ✓ Life will become stand still after 5.30 PM
- ✓ Education to the children has become a difficult task
- ✓ The houses are located in contiguity.
- ✓ A Central Government Police officers at the rank of CJ is the Pradhan of the village.
- ✓ Government is contemplating to release amount to the households for construction of pucca houses in Joshimut.
- ✓ The government has rented out houses for people whose houses were totally / partly damaged and not fit for living
- ✓ There is wild animal menace in this village.
- ✓ Essential commodities are sold at a higher price taking advantage of the calamity.
- ✓ 12 street lights have been installed in this villages covering the households and the village road
- ✓ Leopards, wild bores and bears always appear to be roaming around the villages frightening the people and cattle.
- ✓ Villagers expressed their gratitude and happiness on this initiative



Technical Staff Preparing Solar Street Light Equipment for Installation



Solar Street Light Installed in the midst of houses

Name of the Villages	Households	No. of Street Light Installed
1. Lambagad	12	2
2. Arudi	40	5
3. Padagasi	75	5

Name of Sarpanch / Pradhan / Social Worker: Mr. Bhudilal Gauniyal, Mr. Raghuvver Singh, 9410416482 8755049202

- The above villages are located at the foot hills.
- People have to climb up atleast 20 meters from the road point to reach the above villages.
- The B.T road passing through the above villages to Badrinath is totally washed away.
- Temporary path way is laid to connect to the B.T road leading to Badrinath which is in good condition.
- The hotels restaurants, business shops and Govt schools Buildings located on the road side are washed away
- I prior to floods it was beautiful location for the devotes and travelers passing through the road.
- The Buildings, machinery and other infrastructure of JP Group Company located very nearer to the above cluster villages are very badly damaged and now there is no power generation activity at the power plant.
- A Siva temple constructed by JP Group Power Company in the middle of the river stream got damaged totally.



KSK - S<sup>3</sup>IDF Sr. Officers Interacting with SHG Women Members



A View of Solar Street Lights Installed in a Habitation

- There is power problem in the above villages.
- A private convent school located at safe point is catering to the educational needs of the children.
- Govt have sanctioned one school for those villages and land has been allotted for construction.
- The small children studying LKG, UKG and children upto 5<sup>th</sup> class are climbing down the hill to reach the road point by a small rock sand slippery pass way to go their homes.
- There is danger of children to slip down and get injured.
- The Ex-pradhan Budhi Gaunial and a social worker came forward to help the people in reconstruction of above villages, develop infrastructure by contacting Govt official and JP Group Power Company
- Govt is taking steps to repair the roads, provide shelter, supply essential commodities and extend moral support.
- We have installed 12 street lights as mentioned above.



Street Light Installed in a narrow street of the village



Childrens Studying on the roof top of the house

Name of the Village	No of household	No of street light proposed
Salnaa	20	2
Dhumak	80	4
Devgram	100	4
Kalgote	80	3

Name of Sarpanch / Pradhan / Social Worker: Mr. Vinod, Mobile, 9458367236  
8954734926

These villages are located in the midst of the forest and at the top portion of the hill

- ❑ There was a road connecting to above villages prior to floods and small vehicles like jeeps, small cars used to ply carrying the villagers and goods.
- ❑ The flood waters have totally damaged the road
- ❑ Villagers have to climb down about 10 to 15 meters from the B.T road point and walk to other side of the village road across the river ,walking around 1 km.
- ❑ Villagers are found carrying the essential goods, gas cylinders, domestic items on their back trekking on the irregular steep path way of the hill.



Smile on the faces of women on Installation unfailing solar street light

- ❑ People are carrying their goods on horse, back also who can afford to pay.
- ❑ According to rough estimate atleast it will take one year to make to road motorable.
- ❑ Between 5.30 to 6 PM the entire area will be in darkness as there are no grid connected lights.
- ❑ Mr Vinod who is native of Dhumak (last village of the cluster) serving in Indian Army at Badrinath came forward in transportation and installation of street lights.
- ❑ His captain has also suggested to take up above villages where devastation is more and villagers are cut off from main stream of life.
- ❑ 12 Nos. street lights have been installed in four villages as shown above.



Technical Staff Assembling the Solar Street Lights Equipments

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