

**PUBLIC HEARING REPORT OF
520 MW TEESTA HYDRO
ELECTRIC PROJECT
STAGE-IV, NORTH SIKKIM
29TH MARCH 2012**



CONDUCTED BY:



**STATE POLLUTION CONTROL BOARD
DEPARTMENT OF FOREST, ENVIRONMENT &
WILDLIFE MANAGEMENT
GOVERNMENT OF SIKKIM
DEORALI-GANGTOK**

FOREWORD

NHPC Limited has proposed to construct a 520 MW Teesta Stage – IV hydro-electric project at Dzongu by utilizing the water of Teesta river, a tributary of river Teesta in the North District of Sikkim. The project proposes to develop through harnessing of power potential from Teesta river in the North District of Sikkim. The river Teesta is one of the main rivers of the state of Sikkim. The scheme proposes to generate power on the principle of run of the river scheme. The 520 MW Teesta H.E. Project is located on river Teesta originating from Cholamu glacier.

The Government of India vide notification S.O. No. 1533 (E) dated 14th September 2006 has made public hearing mandatory for hydro-electric projects prior to its commencement. Hence, this public hearing 19th (nineteenth) of its kind in the State of Sikkim was conducted by State Pollution Control Board - Sikkim on 29th March 2012 at Namprikdang Play ground, Dzongu, North Sikkim.

The views, comments, suggestions and the observations of the public of the area who have a plausible stake in the environment aspects of the project activities have been incorporated in this Report.

The Report, I hope shall be of great help for the Project Developers and the Management Authorities for keeping necessary mitigative measures considering the larger interest of the Public, their feelings and the safeguard of the environment.

(C. S. PRADHAN, SFS)
Member Secretary
State Pollution Control Board - Sikkim.

**PUBLIC HEARING OF 520 MW TEESTA
HYDRO-ELECTRIC PROJECT, STAGE - IV
NAMPRIKDANG, DZONGU, NORTH SIKKIM**

29TH MARCH 2012

INTRODUCTION:

In fulfillment of the requirement of the Gazette notification S.O. No. 1533 (E) dated 14th September 2006, the State Pollution Control Board, Sikkim published notices in one national daily “Hindustan Times” (all India editions), “Sikkim Herald” (English, Sikkimese & Lepcha) the official paper of the State Government, “Samay Dainik” (Regional Vernacular daily) and “Sikkim Express” (Regional English Daily) inviting suggestions, views, comments & objections from persons including bonafide residents, environmental groups and others who have a plausible stake in the environmental aspects of the project or activity. The Public hearing was accordingly conducted by the State Pollution Control Board-Sikkim, on 29th March 2012 at Namprikdang Play ground, Dzongu, North Sikkim for the proposed 520 MW Teesta Hydro-electric Project (HEP) to be developed by M/s NHPC Limited.

The public hearing started at 11.00 am on 29th March 2012 at Namprikdang Play ground, Dzongu, North Sikkim, with the introductory note and welcome address by Shri Bindey Kumar Chettri, Sr. Scientific Officer, State Pollution Control Board-Sikkim. In his introductory speech, he briefed the gathering about the mandatory requirement to hold such public hearing meetings as per the new “Environment Impact Assessment Notification” brought out by the Ministry of Environment & Forest, Government of India on 14th September 2006. He informed that, the EIA notification of 2006 had authorized the State Pollution Control Board to conduct such public hearings for any project where the environment is likely to be damaged. Further he explained, this kind of exercise provides suggestions and approaches for proper implementation of the project and further provides for greater transparency about the

project. He also informed that, all the requirements have been fulfilled in informing and educating the people about this public hearing. He told the gathering that, the “Public Notices” had been brought out in one National English Daily (Hindustan Times), Sikkim Herald (English & Lepcha) official paper of the State Government, one English local Daily (“Sikkim Express”) and one regional vernacular daily (“Samay Dainik”). The Executive Summary, DPR, the EIA and EMP of the proposed project was made available in the offices of the District Collector (Mangan), North Sikkim, State Pollution Control Board, Gangtok - Sikkim, District Industries office Mangan, office of the Zilla Adakshya North, Mangan and the Project Site, and Executive Summary of the project and EIA was displayed in the website www.sikenvis.nic.in. Shri Bindey Kr. Chettri, also welcomed all the dignitaries and the people present on the occasion to put forth their valuable suggestions, comments, views, observations in the public hearing session.

This was followed by an address by Shri A.K. Chaudhary, Chief Engineer, NHPC Ltd. with introduction and warm welcome to all the people present on the occasion. He said that the Government of Sikkim has awarded this project to NHPC Ltd. in true faith and belief. He expressed his sincere thanks to the Government for having faith on the competence of NHPC Ltd. He expressed his thankfulness to District Magistrate, District Administration and the people of the respective GPUs. He also expressed his sincere thanks to the Power Department and SPCB – Sikkim for their support and co-operation.

Shri A.K. Chaudhary, Chief Engineer, NHPC Ltd. informed the gathering that MoU has been signed with the Energy & Power Department, Government of Sikkim and further, the Project Developers shall provide 12% free power generated to the State Government.

This was followed by detailed discussion on the project components wherein different person who are likely to be affected like the land owners, general public and NGOs, took part in public hearing discussion. The discussion session lasted for almost two hours.

This was followed by wrap-up address by Shri T.N. Kazi, District Collector, North District. He started with warm welcome and expressed his happiness in peaceful conduct of the public hearing programme. During his wrap-up speech he cautioned and warned that no compromise shall be made towards necessary safeguard of the environment of the State in general and the project area in particular. On behalf of the people present he requested the Project Authority to look into their grievances and further, award jobs to the local unemployed people as per their qualification and experience. He also requested the Project Authorities to extend full co-operation to the local people and respect their culture, tradition and sentiments. On behalf of the Local people he put forth demands for community development.

The whole proceedings came to the conclusion with the wrap up speech by the D.C. North as the Chairman of the Public Hearing Panel. He concluded his speech by observing that round about 50% of the People only attended the hearing programme and the rest of the public from the right bank who are likely to be affected did not attend the public hearing programme. The programmed ended with vote of thanks by Shri Ranjan Rai, Asstt. Env. Engineer, SPCB – Sikkim.



**STATE POLLUTION CONTROL BOARD-
SIKKIM**

DEPARTMENT OF FOREST, ENVIRONMENT & WILDLIFE MANAGEMENT
GOVERNMENT OF SIKKIM
DEORALI, GANGTOK.

PUBLIC HEARING NOTICE

NHPC Ltd. proposes to construct a 520 MW hydro-electric project (Teesta Stage-IV) by harnessing the water of Teesta River, in the North District of Sikkim. The Salient features of the Stage-IV project are as under:

SALIENT FEATURES OF THE TEESTA STAGE-IV HE PROJECT:

LOCATION:

State	:	Sikkim
District	:	North Sikkim
Dam	:	Lat.-27°28'50" N, Long.-88°31' 23" E
Power House	:	Lat.-27°25'N, Long.- 88°30'35''E
Nearest Town	:	Mangan (Distt. HQ)
Nearest Railway Station	:	New Jalpaiguri / Siliguri (West Bengal)
Nearest Airport	:	Bagdogra (West Bengal)

HYDROLOGY:

River	:	Teesta
Catchment Area	:	3910 sq km
Average Annual Rainfall	:	2546 mm
Design flood	:	10600 m ³ /s
River diversion design flood	:	3800 m ³ /s

RESERVOIR:

Full reservoir level	:	EL 755.00 m
Minimum draw down level	:	EL 740.00 m
Gross storage	:	18.6 MCM
Live storage	:	8.2 MCM
Length of reservoir	:	4.37 Km along Teesta 644 m along Tolungchhu

DIVERSION TUNNELS:

Number	:	Two
Shape	:	Horse –Shoe type
Diameter (finished)	:	12.5 m
Length of DT	:	681 m (DT-1) & 593 m (DT-2)

DAM:

Location	:	D/s of confluence of Runchu with Teesta
Type	:	Concrete Gravity Dam
Length of dam at Top	:	197.20 m
Max. Height above river bed level	:	65 m

Max. Height above deepest bed level	:	108.50 m
SPILLWAY:		
Type	:	Gated Low Level Sluice Spillway
Design flood	:	10600 m ³ /s
Crest of spillway	:	EL 716.00 m
Number and size of sluices	:	Five nos. 9m x 14.5m
Energy dissipation	:	Flip bucket type
COFFER DAMS		
<u>Upstream:</u>		
Top Level	:	El. 728.00 m
Height of Cofferdam	:	32 m
Length at the Top	:	160m
<u>Downstream:</u>		
Top Level	:	El. 710.00 m
Height of Cofferdam	:	18 m
Length at the Top	:	110m
INTAKE:		
Number & size of inlets	:	Four Nos. each of size 6.5 m x 6.5 m
Discharge capacity	:	480 m ³ /s
Invert level	:	EL 726.00 m
DESILTING CHAMBERS:		
Number & type	:	Four Nos., Dufour
Length	:	360 m
Size	:	17 m x 21.5 m
Minimum particle size to be removed	:	90% of 0.2 mm & above
Crown Level	:	El. 736.75 m
Level of GOC	:	El. 756.00 m
HEAD RACE TUNNEL:		
Number and Diameter (finished)	:	2 Nos. / 8 m dia
Shape	:	Horse-shoe
Length	:	6581.5 m (HRT-I) & 6476 m (HRT-2)
Total Discharging capacity	:	410.76 m ³ /s
SILT FLUSHING TUNNEL:		
Outlet Level	:	EL. 704.50 m
Shape & Size of Main Tunnel	:	D-shape, 4.5m X 5.0m
Shape & Size of Branch Tunnel	:	D-shape, 2.0m X 3.0m & 3.0m X 4.0m
Level of GOC	:	El. 715 m
SURGE SHAFT:		
Number and Type	:	2 Nos. Underground with restricted orifice
Internal diameter	:	23 m
Height of surge shaft	:	116.50 m (EL. 796.50m- EL. 680.00m)
Maximum upsurge level	:	EL 795.00m
Maximum down surge level	:	EL 685.00m
PRESSURE SHAFTS:		

Number and type	:	Four Nos. vertical shafts steel lined
Diameter	:	4.8 m
Height	:	110.2 m approx.
Top Horizontal Length	:	101m to 145m
Bottom Horizontal Length	:	59 m

POWER HOUSE:

Type	:	Underground
Installed capacity	:	520 MW
Number and capacity of units	:	4 nos. of 130 MW each
Size of machine hall	:	166.2 m x 23.5 m x 54 m
Size of transformer cavern	:	123.2m x 16.5 m x 19 m
Length of Service Bay	:	38 m
Elevation of Service bay	:	El. 577.70 m
Length of control room	:	23 m
Spacing of unit axis	:	23.8 m
Maximum Net head	:	159.09 m
Rated net head	:	151.81m (Oct.-May) / 141.81m (June-Sept.)
Main Inlet Valve	:	4m diameter, Butterfly biplane lattice type
Capacity of E.O.T. Cranes in service bay	:	2 x 225 ton (Main)/ 35 ton (Auxiliary)
Capacity of EOT crane in Transformer hall	:	75 ton (Main) / 20 ton

TURBINE, GENERATORS & TRANSFORMERS:

Turbine Type	:	Vertical Francis
Turbine discharge	:	102.69 Cumec (at 141.81m Head)
Discharge diameter of runner	:	3.6 m
Speed of Turbine	:	187.5 RPM
Generation Voltage	:	11 kV
Step up Transformer	:	53 MVA, single phase, 11kV/ 400/ $\sqrt{3}$ kV
Number of Transformer	:	10
Transmission Voltage	:	400 kV

TAILRACE TUNNELS:

Shape	:	Horse Shoe
Number and Diameter (finished)	:	2 Nos./ 8 m dia
Length	:	622 m (TRT-1) & 627 m (TRT-2)
Branch TRT	:	4 no. 5.5 m dia, HS shape
Max. Tail water level	:	EL 584.52 m
Min. tail water level	:	EL 582.24 m
Outlet Weir Level	:	El. 582.00 m
D/S Surge gallery	:	2nos. 6 m dia D-shape, 360m long each
Max. D/S upsurge Level	:	EL. 604.00 m
Max. D/S downsurge Level	:	EL. 568.60 m

GIS / POTYARD:

Type	:	Indoor type located outside the caverns
Dimensions of GIS/ Potyard Complex	:	125 m x 40 m
Type of Switchgear	:	400 kV Gas Insulated Type
No. of bays	:	7
Connecting Cable	:	Single phase 400 kV XLPE cables, 13 Nos.
Capacity of GIS Crane	:	1 x 5 ton

POWER BENEFITS:

Installed capacity	:	520 MW
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Firm Power	:	64.3 MW
Annual energy production in a 90% dependable year	:	2373 MU (At 95% machine availability)
Load Factor	:	51.14 % (At 95% machine availability)

LAND REQUIREMENT:

Total Land	:	324.07 ha
Govt./ Forest Land	:	143.49 ha
Private Land	:	180.58 ha

SUBMERGENCE:

Total Land under submergence	:	105.37 ha
Govt./ Forest Land	:	68.82 ha
Private Land	:	36.55 ha

PROJECT COST (At July 2009 PL):

Total Cost	:	Rs. 3594.74 Cr
Civil Works	:	Rs. 2349.21 Cr
E&M Works	:	Rs. 558.69 Cr
IDC & FC	:	Rs. 686.84 Cr

COST OF GENERATION:

Cost of generation at Bus bar (including 12% free power to state and return of equity)	:	Rs. 2.32 /Unit
Levellised Tariff	:	Rs. 3.65 / Unit

Whereas by notification of the Govt. of India in the Ministry of Environment & Forests, Govt. of India No. S.O. 1533 (E) dated 14th September 2006 issued under sub-section (1) and clause V of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 read with clause (d) of sub-rule (3) of Rule 5 of Environment (Protection) Rules, 1986 and in suppression of the notification no. S.O. 60 (E) dated 27th January 1994 as made mandatory under part II, section 7, sub-section 3 dated 14th September 2006, the State Pollution Control Board is required to conduct Public Hearing in the interest of the public for preparing recommendations based on the technical assessment of documents and data furnished by the Project Authorities for obtaining necessary environmental clearance from MoEF, Govt. of India. Therefore notice is hereby given to all concerned persons, having a plausible stake in the environmental aspects of the project or activity and to provide responses in writing or by participating in the public hearing to be conducted on 29th March 2012 at Namprikdang play ground, Dzongu, North Sikkim at 11.00 A.M. onwards. Any person having plausible stake in the environmental aspects of the project or activity can submit their responses before the hearing date which may be addressed to the Member-Secretary, State Pollution Control Board-Sikkim, Department of Forest, Environment & Wildlife Management, Govt. of Sikkim, Deorali, Gangtok. Further access to the details of the project/executive

summary, has been made available in the web-site www.sikenvis.nic.in / www.spcbsikkim.org and at the offices of the State Pollution Control Board-Sikkim, Deorali, Gangtok, Office of the District Collector (North) Mangan, District Industry Office, Mangan, North Sikkim and Zilla Parisad Bhawan, Mangan, North Sikkim.

**Sd/-
Member Secretary,
State Pollution Control Board-Sikkim
Department of Forest, Env. & W/L Management
Government of Sikkim
Deorali – Gangtok.**

DISCUSSION
Question & Answer session at Namprikdang,
Dzongu, North Sikkim.
29th March 2012

Sl.No.	Questions	Answers
1.	What is the avenue for the employment in the upcoming HEP? Santosh Tamang, Rangrang	50% of employment in the group C and D grade shall be reserved for the locals and the first preference will be given to the land owners. As far as other higher and technical posts are concerned we will fill up the vacancies through State Government deputation. NHPC.
2.	We welcome the project and at the same time request the Developers to provide financial aid to the gumpas/mandir located in the surrounding area of the project site. Santosh Tamang, Rangrang	The project will consider the local sentiment and shall provide all types of help to the institution with religious sentiment. NHPC Ltd.
3.	On the commissioning of the project all the supplies required by the company should be obtained through the local suppliers. Santosh Tamang, Rangrang	Big supplies will be done through the authorized dealers and petty supply can be done through the local youths or co-operative societies. NHPC Ltd.
4.	We welcome the project but may I please know the rates of the land that the Developer pay to us? Lama, Tinchung-Mangshila	The rate of the land to be paid to the land owners will be done as per the Government norms. We shall try to give you the best value. NHPC Ltd.
5.	It has been often seen that the authority of the developer often get transferred and commitment made by the previous authority are hardly taken into consideration by the successors. Lama, Mangshila	Yes, it is true that the authority gets transferred after certain interval of time but you need not worry as all the commitments made to you shall be documented in a book form which you can obtain from the SPCB Sikkim. NHPC Ltd.
6.	Since we will be handing over our ancestral property once the project comes up, we request the developers to kindly provide us the good value of our land.	You need not worry for the rates of the land as we will have a series of discussion with the land owner and the Government for the land rate. We

		shall try to offer you the best value of the land.
	Lama, Mangshila	NHPC Ltd.
7.	Today there is hike in price in every item thus the land that the Developers will acquire from us has to be as per the market value.	Considering the stated facts we shall try to provide you the good value of the land, for which we will have separate discussions with the land owner and the Government Authority.
	Karma Dawa Bhutia, Tinching	NHPC Ltd.
8.	It has been learnt that you have taken up various projects to improve the quality of living in all aspect for the land losers. Can we have the list of such developmental projects you have taken-up previously?	Yes, we have taken various developmental projects for the benefit of the project affected people and others which are as follows: a) Road construction from Singtam to Dikchu, b) Various health camps, construction of cc footpath , c) Construction of community hall at Dhupi Dara, d) Financial aids to various gumpas, e) Drinking water supply to various schools and villages etc.
	Karma Dawa Bhutia, Tinching	NHPC Ltd.
9.	It has been often seen that the developers acquire the land which they require only and live behind the adjacent land. We request the developer to acquire all the land and not leave the adjacent piece of land of the owners.	We shall try to acquire the whole plot of the land from one particular land owner, on this matter we can discuss with the land revenue authority and the land owner to avoid any confusion.
	Karma Dawa Bhutia, Tinching.	NHPC Ltd.
10.	I, welcome the project and have only one demand that the valuation of the land should be Rs. 200/sq.ft.	As far as the valuation of the land is concerned we will definitely have detail discussion with the land owners and the concerned department, so that the land owner gets the best value.
	C.T. Kazi, Mangan	NHPC Ltd.
11.	While welcoming up the project we request the developers to kindly help us to keep the sanctity of the Ringdeng gumpa by providing financial aid.	We shall definitely take up all the social activities phase wise. We shall not leave any stone unturned to protect the religious sanctity.
	C.T. Kazi, Mangan	NHPC Ltd.
12.	In the event of coming up of the project I	We shall definitely carry out the

	request the developer to kindly insure all the household of the project affected areas. Kado Lepcha, Panchayat President	insurance of all the house hold and further health insurance of general public as per EMP. NHPC Ltd.
13.	It is to inform the developer that we have one government nursery which falls under the project area. We request the developer to kindly arrange for job opportunity to the MR workers who are earning their livelihood from the nursery. Kado Lepcha, Panchayat President	The present nursery will not be destroyed by the upcoming project instead we will develop it and the MR workers working in the nursery will be employed there itself. NHPC Ltd.
14.	It has come to our knowledge that the project developer will take up only the land and the compensation for the same will be paid leaving behind the standing structure. Kado Lepcha, Panchayat President	Once the area is demarcated for land acquisition the compensation for both the standing structure and the land shall be paid as per the government norms. NHPC Ltd.
15.	It is nice to hear so many commitments from the developers before the start of the project but at the same time request them to fulfill the commitments also. R.B. Limboo, Mangshila	All the commitments made today shall be recorded by SPCB Sikkim and published in a book form which the affected citizen can keep as record for further references. NHPC Ltd.
16.	May I please know the amount paid by the NHPC Ltd. for butterfly park? R.B. Limboo, Mangshila	So far we have paid Rs. 1.24 crores to the Department of Forest, Env. & W/L Management, Govt. of Sikkim for the construction of butterfly park. If the Stage – IV becomes successful we will be providing Rs. 3 0 crores more for the same. NHPC Ltd.
17.	On behalf of the land owner I would like to request the project developer to help the common masses who had suffered a lot from the natural calamity and in future if such calamities occur. R.B. Limboo, Mangshila	The NHPC Ltd. has been helping the State Government at the time of crisis. We shall certainly provide all types of help whenever and wherever required. NHPC Ltd.
18.	May I please know the details as to how many people have been recruited in Stage – V? R.B. Limboo, Mangshila	There are about 62 regular local employees, 30 homeguards, 120 IRB personnels/officers and 400 MR workers for which the NHPC Ltd. Stage-V makes the payments. NHPC Ltd.

19.	Is there any provision of fund for the improvement of schools, hospitals, flash flood control and wet land conservation? R.B. Limboo, Mangshila	We have enough financial provision to improve the quality of life in the project affected area. We shall certainly provide fund for various social activities and wet land conservation. NHPC Ltd.
20.	It has been learnt that the roads and bridges constructed by NHPC are not allowed to be used by local public. I request the authority to allow the local people to use all the infrastructure that has been developed by the company. R.B. Limboo, Mangshila	Yes, definitely the people of the area can freely use the road and bridges that will be constructed by the NHPC. Further this is to inform you that we have requested the Ringyem Gumpa Committee to submit the DPR for its restoration as it has been badly damaged by 18 th September 2011 earthquake. NHPC Ltd.
21.	May I please know the procedure of payment of the land compensation? I request the developer to make the payment in full directly to the land owner. Tshering Lepcha, Mangshila	NHPC will make the payment to the Land Revenue Department, Govt. of Sikkim. After valuation, the LRD will then disperse the said amount through the District Collector directly to the land owners. NHPC Ltd.
22.	A particular land owner may be having more than one son as such I would like to request the developer to offer job opportunities to all the legal sons of the land loser. Pencheng Lepcha, Lower Dzongu	Certainly the legal sons of the particular land less family will be offered job opportunity in the upcoming project. NHPC Ltd.

**WRAP UP SPEECH BY
SHRI T.N. Kazi, DISTRICT COLLECTOR,
MANGAN, NORTH SIKKIM
29TH MARCH 2012, NAMPHRIKDANG PLAYGROUND, DZONGU,
NORTH SIKKIM.**

Member of the public hearing panel, Shri C.S. Pradhan, Member Secretary, State Pollution Control Board-Sikkim, Hon'ble Chairman, SPCB, Shri T.R. Poudyal, Principal Chief Engineer-cum-Secretary, Energy & Power Department, Panchayat Members, officials from Deptt. of Forest, Env. & W/L Management, SPCB, and ladies and gentlemen.

Before I come to the conclusion, I take this opportunity to share some points of significant importance with you all.

After having listened to the views, suggestions, opinions, comments and observations, I could see round about 50 percent people who are likely to be affected only attended the Public Hearing. Other 50 percent people from right bank who are likely to be affected did not attend the public hearing programme.

The major thrust of all, however, was on the safeguard of general environment of the area, award of good land compensation, employment to the locals, award of contract to the local and safeguard of social, cultural and traditional values of the area. The questions, views, suggestions and opinion presented by the participants shall be reflected in the public hearing report. The promises and commitments made by the Project Developers in response to the suggestions, questions and views expressed needs to be respected and fulfilled in letter and spirit.

The Project Developer assured every possible ways and means to solve the grievances of the general public present. I am of the opinion that the Project Proponent should maintain a cordial relationship with all the people of the area and respect their social life, tradition, culture and sentiments.

Finally I request the Project Authority to sincerely adhere to the commitments of the agreement as envisaged in the Project Report & EMP as per today's proceedings in letter and spirit. Further the points raised and suggested by all present in today's hearing be incorporated in the final EIA & EMP reports for proper safety of the environment and sentiment of the common mass. With these words I thank all the participants for your active participation.

Thank You.

VOTE OF THANKS BY
Shri Ranjan Rai,
ASSISTANT ENVIRONMENTAL ENGINEER
State Pollution Control Board-Sikkim.
29TH MARCH 2012, NAMPHRIKDANG PLAYGROUND, DZONGU,
NORTH SIKKIM.

With the wrap up speech by the District Collector, North, now we have come to the end of the programme. But before this, I have been assigned with the duty of offering vote of thanks. I therefore take this opportunity to convey vote of thanks to all present here on this occasion. First of all I would like to extend our sincere thanks to D.C. North, Chairman, Public Hearing Panel. On behalf of the State Pollution Control Board, I take this opportunity to thank the officials of the Forest, Env. & W/L Management Department, panchayats and the general public for having attended this programme with their ideas, suggestions, views and guidance.

We extend our sincere thanks to all the concerned citizens who put forth their suggestions in today's programme. Last but not the least I stand before you all to extend our thankfulness to all who have been involved in this programme directly or indirectly. Thank you once again.

THANK YOU

**PUBLIC HEARING OF 520 MW TEESTA STAGE-IV H.E. PROJECT
NAMPRIKDANG PLAYGROUND, DZONGU,
NORTH SIKKIM.**

**Conducted by – State Pollution Control Board - Sikkim
at NAMPRIKDANG PLAYGROUND, DZONGU,
NORTH SIKKIM.**

On

29TH MARCH 2012

PANEL FOR PUBLIC HEARING.

<u>Sl. No.</u>	<u>NAME</u>	<u>DESIGNATION</u>
1.	Mr. C.S. PRADHAN,	MEMBER SECRETARY, State Pollution Control Board-Sikkim Deptt. of Forest, Env. & W/L Management, Govt. of Sikkim.
2.	Mr. T.N. KAZI,	DISTRICT COLLECTOR, MANGAN, NORTH DISTRICT

CHAIRMAN OF THE PANEL

**PUBLIC HEARING OF 520 MW TEESTA STAGE-IV H.E. PROJECT
NAMPRIKDANG PLAYGROUND, DZONGU,
NORTH SIKKIM.**

29TH MARCH 2012.

PROGRAMME

- 10.30 AM: Arrival of the Public participants.
- 10.50 AM: Arrival of the Members of the Public Hearing Panel.
- 11.00 AM: Welcome address by Shri B.K. Chettri, Senior Scientific Officer, State Pollution Control Board-Sikkim.
- 11.10 AM: Briefing on the 520 MW Teesta Stage-IV, H.E. Project by Project In-charge.
- 11.30 AM: Comments, views, suggestions, clarifications, (Questions & Answer Session) – Reply by NHPC Ltd., Teesta Stage –IV Hydro Electric Power project.
- 1.30 PM: Wrap up and concluding remarks by Shri T. N. Kazi, Chairman, Public Hearing Panel.
- 1.40 PM: Vote of Thanks by Shri Ranjan Rai, Asstt. Environmental Engineer, State Pollution Control Board, Sikkim.
- 1.45 P.M: Light Refreshment.

**PUBLIC HEARING OF 520 MW TEESTA STAGE-IV H.E. PROJECT
NAMPRIKDANG PLAYGROUND, DZONGU,
NORTH SIKKIM.**

29TH MARCH 2012.

Name of the Participants:

Sl.No.	Name	Address
1.	Shri T.N. Kazi, D.C. North	Mangan
2.	Shri C.S. Pradhan,	Member Secretary, SPCB
3.	Shri T.R. Poudyal,	Chairman, SPCB
4.	Shri A.K. Giri,	Secretary, Energy & Power Deptt.
5.	Shri U.K. Pradhan	Chief Engineer, (Mech.) E&P Deptt.
6.	Shri Dhiman Parcja	Executive Director, NHPC
7.	Smt. Yangchen Bhutia	Revenue Surveyor
8.	Shri Dorje Dawa	Scientist
9.	Shri R. Malik	GIS-Remote Sensing
10.	Shri Ajay Gaur	T.A.
11.	Shri S. S. Rawat	Deputy Director
12.	Shri Kado Lepcha	P. President, R/Tarek
13.	Shri Tshering Lepcha	Swagem
14.	Shri Sonam Tshering Lepcha	Tingchum
15.	Shri Tanek Lepcha	Tanek
16.	Shri Tshewang Bhutia	Swagem
17.	Shri Norden Lepcha	Swagem
18.	Shri Ongdey Lepcha	Pentak
19.	Shri Tashi Tshering Lepcha	Pentak
20.	Shri Rinzing Lepcha	Swagem
21.	Shri Subash Limboo	Tibuk
22.	Shri Tej Raj Limboo	Tibuk
23.	Shri Phumden Lepcha	Tanek
24.	Shri Phurjay Lepcha	Do
25.	Shri Karma Gyaltzen Lepcha	Tanek
26.	Shri Denka Lepcha	Tanek
27.	Shri Chettim Lepcha	Swagem
28.	Shri Tenzing Lepcha	Do

29.	Shri Nakku Bhutia	Namok
30.	Shri Kami Bhutia	Do
31.	Shri Mangal Limboo	Mangshila
32.	Shri Phip raj Limboo	Do
33.	Shri Bijay Limboo	Do
34.	Shri Kumar Hang	Do
35.	Shri Maita Bdr. Limboo	Do
36.	Shri Biddhi Raj	Do
37.	Smt. Lakit Lepcha	Penok
38.	Smt. Normit Lepcha	Do
39.	Shri Ganesh Kumar	Mangshila
40.	Shri Jai Kumar	Do
41.	Shri Bimal Limboo	Do
42.	Shri Pemba Tsh. Lepcha	Lingdong
43.	Shri Acha Lepcha	Do
44.	Shri Dawa Tamang	Rang Rang
45.	Shri Deepak Gurung	Do
46.	Shri Mandeep Gurung	Do
47.	Shri Kalu Tamang	Do
48.	Shri Jacob Tamang	L. Singhik
49.	Shri Mekong Lepcha	Do
50.	Shri Micheal Tamang	Do
51.	Shri Abhishek Lepcha	Do
52.	Shri Thargen Lepcha	Do
53.	Shri Chewang Lepcha	Do
54.	Shri Topden Lepcha	Mangan
55.	Shri Sukman Tamang	Rang Rang
56.	Shri Dawa Tamang	Chanday
57.	Shri C. Hang	Rang Rang
58.	Shri Kumar Tamang	Do
59.	Shri Lendup Bhutia	Do
60.	Shri Regay Bhutia	Tingchim
61.	Smt. Choden Bhutia	Do
62.	Shri Gatuk Bhutia	Do
63.	Shri Palden Bhutia	Do
64.	Shri Tamni Bhutia	Do
65.	Shri Pema W. Bhutia	Mangan
66.	Shri Deepak Lepcha	Do
67.	Shri T. Dawa	Tingchim
68.	Smt. Diki Bhutia	Do
69.	Shri Dawa Bhutia	Do

70.	Smt. Lazom Bhutia	Do
71.	Shri Kalzang	Mangan
72.	Shri Mickmar	Do
73.	Shri Sonam Gyatsho Lepcha	Do
74.	Shri Dawa	Mangan
75.	Shri Bijay Kumar	Do
76.	Shri Sonam Thendup	Chanday
77.	Shri Tshering Tamang	Chanday
78.	Shri Prem Pradhan	Do
79.	Shri Namgyal Lepcha	Kazor
80.	Shri Dal Bdr. Tamang	Do
81.	Shri Gyatsho Lepcha	Mangan
82.	Shri Suman Khaling	Do
83.	Shri Dawa Tamang	Rang Rang
84.	Shri Rajesh Pradhan	Chanday
85.	Shri Suraj Subba	Do
86.	Shri Dinesh Pradhan	Do
87.	Shri Ongden Lepcha	Lingdong
88.	Shri Phurzang Lepcha	Hee Gyathang
89.	Shri Sonam Tanzing	L.Namok
90.	Shri Wangyal Lepcha	L. Lingdong
91.	Shri Topden	Lingdong
92.	Shri Lochal Tsh. Lepcha	Sangkalang
93.	Shri James Lepcha	L. Lingchum
94.	Shri Karzang Thendup Bhutia	Mangan
95.	Shri Tashi Bhutia	Do
96.	Shri Lakpa Tshering	Do
97.	Shri Norden Lepcha	Do
98.	Shri H.B. Tamang	Chanday
99.	Shri Suk Man Tamang	Do
100.	Shri Sangita Subba	Do
101.	Shri Amy Lepcha	Do
102.	Smt. Sapana Limboo	Chanday
103.	Shri Pensun	Do
104.	Shri Tak Bahadur	Do
105.	Shri Dirgey	Tingchum
106.	Shri Karma Doma	Do
107.	Shri Tshering	Goor
108.	Shri Nim Tshering	Zimchung
109.	Shri Besud	Phodong
110.	Shri Angu Lepcha	Zimchung

111.	Shri Gauriman Sundas	Dikchu
112.	Shri Nar Bdr.	Do
113.	Shri Arjun	Ralak
114.	Shri Budha Raj	Do
115.	Shri Ganga	Do
116.	Shri Karna Bdr.	Do
117.	Shri Dawa Tshering	Ringchum
118.	Shri Lacho Lepcha	Gor
119.	Shri Tokman Limboo	Ralak
120.	Shri Nir Bdr.	Do
121.	Shri Sepchung Limboo	Do
122.	Shri Bhajjee Limboo	Do
123.	Shri Guman Singh	Do
124.	Shri Harka Bdr. Limboo	Do
125.	Shri Gumpa Singh	Do
126.	Shri D.M. Limboo	Mangshila
127.	Shri Mon Prashad Limboo	Ralak
128.	Shri Naksuk Lepcha	Gor
129.	Shri Pema leda Lepcha	Do
130.	Shri Mahindra Limboo	Do
131.	Shri Sonam Tsh. Bhutia	U/Singhik
132.	Shri Santosh Tamang	Rang Rang
133.	Shri Norbu Tamang	Chanday
134.	Shri Lobzang Lepcha	Ringhim Heliped
135.	Shri C. Tobgay	Mangan
136.	Shri L.G. Tamang	Mangan
137.	Shri Palden G. Bhutia	Mangan
138.	Shri Penchung Lepcha	Do
139.	Shri Leda Lepcha	Gor
140.	Shri Tashi Gyatsho	Gor
141.	Shri Thendup	Do
142.	Shri Ongdi Lepcha	Do
143.	Shri Kuchoo Palden Lepcha	Tingzing



Fig. 1. A view of public participation.



Fig. 2. Chief Engineer, NHPC Ltd., briefing about the project component.



Fig. 3. Questions from the public desk.



Fig. 4. Question from the public desk.



Fig. 5. Questions from the public desk.



Fig. 6. Questions from the public desk.



Fig. 7. Questions from the public desk.



Fig. 8. Questions from the public desk.



Fig. 9. Questions from the public desk.



Fig. 10. Chairman of the public hearing panel with wrap up speech.