

SAI ENGINEERING FOUNDATION

SAI BHAWAN, SECTOR-4, NEW SHIMLA-171009 (H.P.)

PHONE: 0177-2670349 / 2671268 FAX NO: 0177-2672915

Full Title of the Project : - Tundah-II Hydro Electric Project (24MW).
File No. : - FP/HP/HYD/49283/2020.
Date of Proposal : - 31/08/2020.

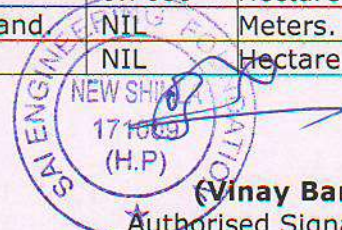
Check List Serial No. 31-A (i).

DETAIL REGARDING PROPOSED APPROACH ROADS

1. Approach Road No.-I to Barrage Site.		
i) Total length of Approach Road.	476.50	Meters.
ii) Width of Road.	4.26	Meters.
iii) Total Area involved.	0.2030	Hectare.
iv) Length of approach road passing through the Forest Land.	476.50	Meters.
v) Area involved in Forest Land.	0.2030	Hectare.
vi) Length of approach road passing through the Non Forest Land.	NIL	Meters.
vii) Area involved in Non Forest Land.	NIL	Hectare.
2. Approach Road No.-II to Barrage.		
i) Total length of Approach Road.	3308.55	Meters.
ii) Width of Road.	5.68	Meters.
iii) Total Area involved.	1.8793	Hectare.
iv) Length of approach road passing through the Forest Land.	3308.55	Meters.
v) Area involved in Forest Land.	1.8793	Hectare.
vi) Length of approach road passing through the Non Forest Land.	NIL	Meters.
vii) Area involved in Non Forest Land.	NIL	Hectare.
3. Approach Road to Adit-II.		
i) Total length of Approach Road.	301.54	Meters.
ii) Width of Road.	5.68	Meters.
iii) Total Area involved.	0.1713	Hectare.
iv) Length of approach road passing through the Forest Land.	301.54	Meters.
v) Area involved in Forest Land.	0.1713	Hectare.
vi) Length of approach road passing through the Non Forest Land.	NIL	Meters.
vii) Area involved in Non Forest Land.	NIL	Hectare.
4. Approach Road to Vertical Drop Shaft.		
i) Total length of Approach Road.	335.68	Meters.
ii) Width of Road.	5.68	Meters.
iii) Total Area involved.	0.1907	Hectare.
iv) Length of approach road passing through the Forest Land.	335.68	Meters.
v) Area involved in Forest Land.	0.1907	Hectare.
vi) Length of approach road passing through the Non Forest Land.	NIL	Meters.
vii) Area involved in Non Forest Land.	NIL	Hectare.
5. Approach Road to Power House Site.		
i) Total length of Approach Road.	1348.42	Meters.
ii) Width of Road.	5.68	Meters.
iii) Total Area involved.	0.7659	Hectare.
iv) Length of approach road passing through the Forest Land.	1348.42	Meters.
v) Area involved in Forest Land.	0.7659	Hectare.
vi) Length of approach road passing through the Non Forest Land.	NIL	Meters.
vii) Area involved in Non Forest Land.	NIL	Hectare.

Date : 31.08.2020.

Place : Bharmour.



(Vinay Barwal)
Authorised Signatory,
Sai Engineering Foundation.

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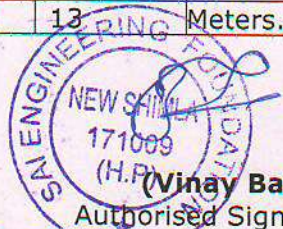
Check List Serial No. 31-A (ii).

DETAIL REGARDING 33KV TRANSMISSION LINE

33 KV Transmission Line from proposed power House of Tundah-II Hydro Electric Project (24MW) upto interfacing point at 33/220 KV Sub-Station at Lahal.			
1.	Voltage of Transmission Line (KV).	33	KV.
2.	Total length.	1141.23	Meters.
3.	Width of corridor/Right of Way.	15.64	Meters.
4.	Total Area involved.	1.7849	Hectare.
5.	Length passing through the Forest Land.	1141.23	Meters.
6.	Area involved in Forest Land.	1.7849	Hectare.
7.	Length passing through the Non Forest Land.	NIL	Meters.
8.	Area involved in Non Forest Land.	NIL	Hectare.
9.	Total number of Two Pole Structures to be erected.	6	Nos.
10.	Number of Two Pole Structures to be erected (in Forest Area).	6	Nos.
11.	No. of Two Pole Structures to be erected (in Non-Forest Area).	NIL	Nos.
12.	Height of Two Pole Structure.	13	Meters.

Date : 31.08.2020.

Place : Bharmour.


(Vinay Barwal)
Authorised Signatory,
Sai Engineering Foundation.

Detail of Corridor and double pole structure for the Construction of 33 KV Transmission Line of Tundah-II HEP.

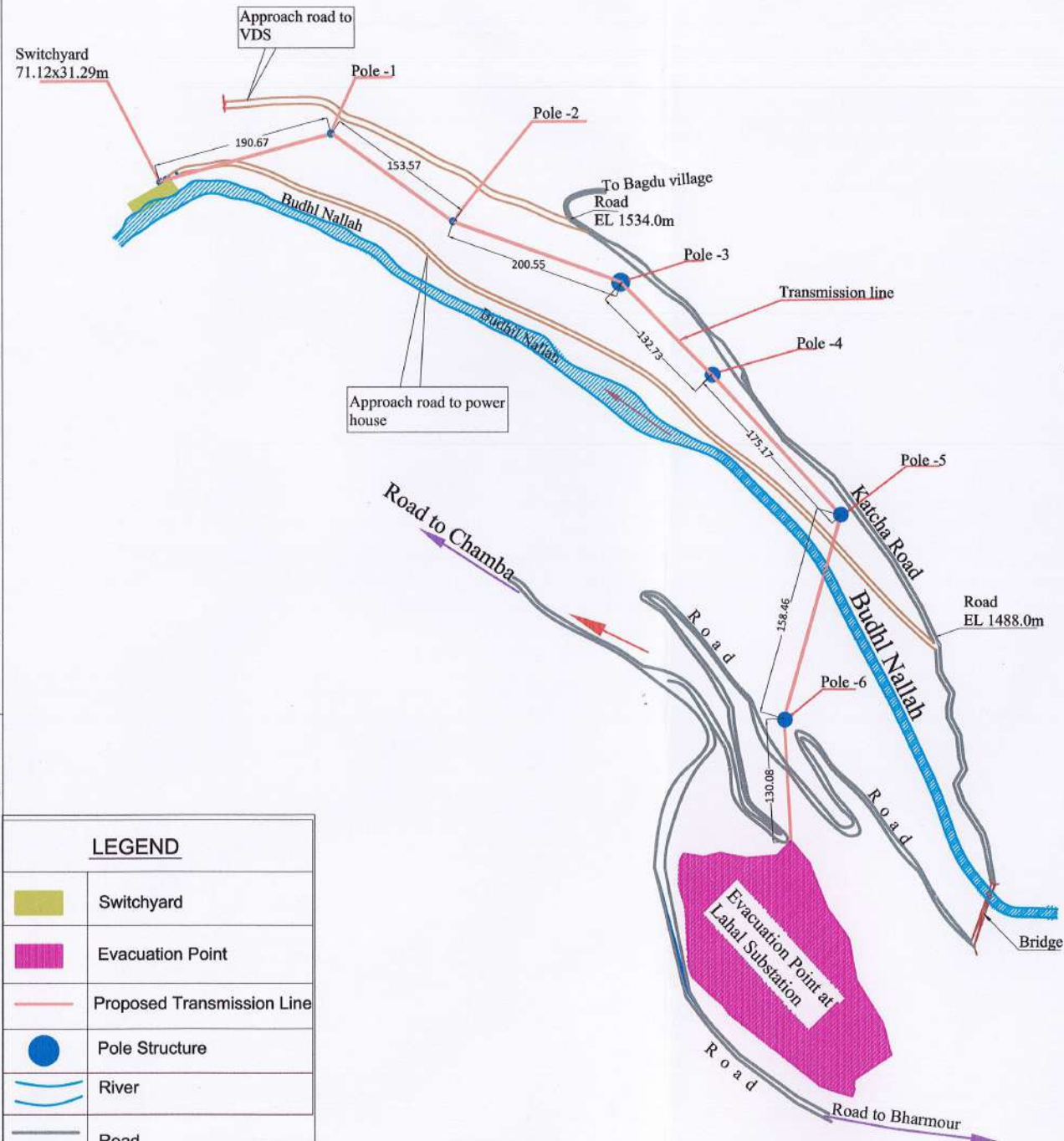
S.No.	Pole No.		Total Length of Span (In Mtrs.)	Length (In Mtrs.)		Width of Right of Way (In Mtrs.)	Name of Forest	Land Requirement			Khasra / Tukra Nos.	Classification of Land
	From	To		Forest Land	Non Forest Land			Forest Land (In Hect.)	Non-Forest land (In Hect.)	Total land (In Hect.)		
1	2	3	4	5	6	7	8	9	10	11	12	13
1	*	P-1.	180.72	180.72	-	15.64	Sird	0.2826	-	0.2826	20/4	Charagah Drakhtaan
			9.95	9.95	-	15.64	Sird	0.0156	-	0.0156	20/5	Charagah Drakhtaan
2	P-1.	P-2.	71.81	71.81	-	15.64	Sird	0.1123	-	0.1123	20/6	Charagah Drakhtaan
			71.81	71.81	-	15.64	Sird	0.1123	-	0.1123	1193/17/6	Charagah Drakhtaan
			9.95	9.95	-	15.64	Sird	0.0156	-	0.0156	1193/17/7	Charagah Drakhtaan
3	P-2.	P-3.	190.60	190.60	-	15.64	Sird	0.2981	-	0.2981	1193/17/8	Charagah Drakhtaan
			9.95	9.95	-	15.64	Sird	0.0156	-	0.0156	1193/17/9	Charagah Drakhtaan
4	P-3.	P-4.	59.40	59.40	-	15.64	Sird	0.0929	-	0.0929	1193/17/10	Charagah Drakhtaan
			63.38	63.38	-	15.64	Sird	0.0991	-	0.0991	20/8	Charagah Drakhtaan
			9.95	9.95	-	15.64	Sird	0.0156	-	0.0156	20/9	Charagah Drakhtaan
5	P-4.	P-5.	59.14	59.14	-	15.64	Sird	0.0925	-	0.0925	20/10	Charagah Drakhtaan
			106.08	106.08	-	15.64	Sird	0.1659	-	0.1659	1210/1141/673/1	Charagah Bila Drakhtaan
			9.95	9.95	-	15.64	Sird	0.0156	-	0.0156	1210/1141/673/2	Charagah Bila Drakhtaan
6	P-5.	P-6.	18.75	18.75	-	15.64	Sird	0.0293	-	0.0293	1210/1141/673/3	Charagah Bila Drakhtaan
			35.19	35.19	-	15.64	Sird	0.0550	-	0.0550	1210/1141/673/5	Charagah Bila Drakhtaan
			30.01	30.01	-	15.64	Lahal	0.0469	-	0.0469	1/1	Gair Mumkin Khad
			64.56	64.56	-	15.64	Lahal	0.1010	-	0.1010	1488/1484/411/1	Charagah Bila Drakhtaan
			9.95	9.95	-	15.64	Lahal	0.0156	-	0.0156	1488/1484/411/2	Charagah Bila Drakhtaan
7	P-6.	**	122.32	122.32	-	15.64	Lahal	0.1913	-	0.1913	1488/1484/411/3	Charagah Bila Drakhtaan
			7.76	7.76	-	15.64	Lahal	0.0121	-	0.0121	415/1	Charagah Drakhtaan
Total			1141.23	1141.23	-	15.64	-	1.7849	-	1.7849	-	-

* Switchyard of Tundah-II HEP.

** Interconnection Point at 220KV Sub-Station at Lahal.

SAI ENGINEERING FOUNDATION
NEW SHIMLA
171009
(H.P.)
(Vijay Barwal)
Authorised Signatory
Sai Engineering Foundation

LAYOUT PLAN OF PROPOSED 33 KV TRANSMISSION LINE OF TUNDAH -II HEP



LEGEND

	Switchyard
	Evacuation Point
	Proposed Transmission Line
	Pole Structure
	River
	Road



[Signature]

Range Forest Officer
Bharmour Forest Range
Bharmour



H. P. POWER TRANSMISSION CORPORATION LTD.
(A STATE GOVERNMENT UNDERTAKING)

Regd. Office: Himfed Bhawan (Old MLA Qtrs.) Tutikandi, Shimla-171005

(CIN): U40101HP2008SGC030950

TEL: 0177 2633283, 2831284 (FAX), 2832284

No. HPPTCL/

9937

Dated:- 8-11-2019

To

M/s Sai Engineering Foundation,
Sai Bhawan, Sector-4,
New Shimla-171009

Subject:- Evacuation of Power from 24MW Tundah-II HEP, Tehsil Bharmour, District Chamba (H.P).

R/Sir,

Please refer letter No. SEF/SML/2019/989-90 dated 14-08-2019 concerning the subject matter. In this context, power from Tundah-II HEP shall be evacuated in joint mode with other IPPs in valley with metering at common pooling station on 33 KV transmission line at 33KV/220 KV Lahal Sub Station near Bharmour. Transmission plan for Tundah-II HEP (24MW) is enclosed herewith for your information and necessary action please.

Thanking you.

Yours Faithfully,

Add. General Manager (Planning)
H.P. Power Transmission Corporation Ltd.

Encls: As above.

General Manager (C & D)
HPPTCL, Himfed Bhawan
Panjari, Shimla-5

