

SHIV SHAKTI ENTERPRISES

REGN NO.997 FILE NO. 1831-DF

Re: SSE/RO/1

Dt: 17/01/2022

Divisional Forest Officer

Chamba Forest Division

Distt. Chamba (H.P.)

D/Sir

Re: Diversion of 0.7903 Hectare of forest land in favour of M/s Shiv Shakti Enterprises Anurag Kutir, Lower Doharu Mohalla Ghuggar Tehsil Palampur & Distt. Kangra, H.P. for the construction of Lower Bhagair S.H.E.P. (1 M.W.) within the jurisdiction of Chamba Forest Division, Distt. Chamba, Himachal Pradesh. (Online Proposal No. FP/HP/HYD/49792/2020).

This has reference to letter dated 16/12/2021 on the subject cited above. In this connection we have to submit as under:-

In response to the observations raised vide above letter under reference, we have to submit the pointwise clarifications as under:-


POINT NO.:-

1.

- a) That the land measurement unit in Himachal Pradesh Revenue Dept. is in Bighas and Karams.


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- b) That the length and breadth of each component of the project should have been shown in Karams instead of meters in the joint inspection report.
- c) The measurement shown in "Table 1" annexed herewith in Karams can be easily tallied with the area shown in Tatima & Field book, in which the area is depicted in Karams only.
- d) Total area of forest land which has been diverted i.e. 0.7903 hectares is in total agreement with the area shown in the Tatima & Field book.
- e) The correct area of each component in Karams is shown in "Table 1" for a ready reference which can be tallied & verified with the area in Karams as shown in the Field book & Tatima.
- f) That the component wise breakup of length & breadth of each component has been shown in "Table 2" annexed herewith in meters which has been arrived at correctly after applying the conversion formula of land measurements unit i.e. one Karam is equal to 1.42 meter as per H.P. Govt. Revenue Dept.
- g) The component wise length & breadth area of each component has not been correctly arrived at as shown in the Joint Inspection Report. This discrepancy has been rectified as shown in "Table 1" & "Table 2". However the total area of 0.7903 Hectares of forest land diverted is correctly arrived at as shown in the said report.
- h) That the measurement of land of each component by revenue authorities was taken keeping in view the dimensions of each component as proposed in the Layout Plan which can't be in exact agreement with the physical measurements of the each component ,as per the on spot inspection of forest land keeping


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- i) in view the physical topography of land available. The layout plan is carved out on the basis of topo sheet & google earth reference and is a proposal only, whereas the component wise dimensions are on the basis of on spot physical measurements by the revenue officials.

We give herein below the explanation of variations in dimensions of different components as appearing in Revenue papers viz a viz TEC.

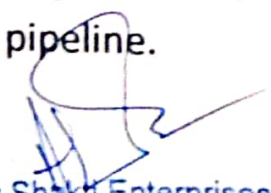
I. INTAKE/TRENCH WEIR

The dimensions mentioned in the TEC are of the inbuilt area only which is much less as compared to the land to be diverted for the following reasons:-

- a. That this Bhagair Nallah is prone to denudation due to heavy Avalanches every year on both the banks of the Nallah, where the Trench Weir is to be constructed.
- b. In order to protect this inbuilt intake channel all the four sides of the channels are to be strongly reinforced & concretized. Therefore 9 x 9 meters is the minimum forest land required to construct a well-protected lifelong trench weir keeping in view the imminent danger of snow hazard/flash floods every year.

II. WATER CONDUCTOR SYSTEM

Pipeline from Intake to D-tank cum Forebay has been shown in a straight line in TEC, whereas in the revenue papers its course is followed & traced in such a manner as to avoid the green trees coming in its way by modifying the course of the pipeline.


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Hence the area diverted has increased as compared to the area shown in the TEC.

III. That likewise the other components such as Dumping site 1, Dumping site 2, D-tank cum Forebay diversion in TEC are shown with inbuilt area whereas more area has been diverted in order to raise boundary walls and concretize these structures to avoid denudation followed by landslides.

IV. The Penstock pipeline is the exact physical on the spot measurement by the revenue officials and comes to 400 meter long and 3 meter wide instead length of 445 meter as shown in the TEC which is taken on the basis of google earth topography.

V. Similarly the Power House & Switchyard area has been shown as inbuilt area in the TEC where as more area has to be diverted so as to raise the boundary walls and to concretize the surrounding area of structure of Power House & Switchyard as the surrounding area is prone to soil erosion & landslides. Hence more minimum area is required to raise protection structures to safeguard the Power House & Switchyard from natural calamities

VI. TAILRACE CHANNEL

Only 20 meters long pipeline has been shown in the TEC notwithstanding the revenue official has taken as 133 meters long from Power House to the river bank where the water shall finally merge. This was essential as after the 20 meters, fast current of the water flow could erode the land which has a steep gradient from Power House to river bed. This again could result into a big land slide endangering the Power House & switchyard structure. Both sides of the pipeline have to be concretized &


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grouted to protect it and safeguard the structure from imminent land slide. Hence the 133 meters long pipeline was a necessity.

VII. ROAD CUM TRANSMISSION LINE

The area diverted was not shown in the TEC but this was minimum area required to connect the Power House with the adjoining road already constructed by Snow Dew Power project. And also to evacuate the power from our switchyard with switchyard of Snow Dew Power Project at Kareri a nearby place, as approved a transmission line has to be erected along the proposed road. Hence the minimum forest (D.P.F.) land required for this purpose has to be diverted, as shown in the enclosed site plan

We hope that our above explanation justifies the variations and the minimum area of forest land which has been diverted is essentially required to construct the different components of this S.H.E.P.

2. The desired detailed component wise breakup showing the dimensions of each component is submitted as shown in the Table 1 and Table 2 & uploaded.
3. Attested copies of the resolutions of FRC and Gram Sabha are being provided & uploaded.
4. The desired KML file has been uploaded.
5. NOC of I.P.H. in downloadable form has been uploaded.
6. Needful action required at your end.
7. Being uploaded the desired plan.



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8. Being provided.

9. Only two SHEP

- Snow Dew Hydel Project of 5 MW (already commissioned) on the left bank of Kiunr Khad having elevations of Weir Site ± 2350 m and Power House ± 2040 m.

AND

- Upper Bhagair 0.50 MW on left bank of Bhagair Nallah having elevations ± 2550 m and Power House ± 2400 m (Under investigation)

These are the only two power projects in this landscape in the vicinity of Lower Bhagair S.H.E.P. 1 MW

10. Being provided and uploaded.

Thanking You

Yours Faithfully

(A R SHARMA)

Partner & Authorised Signatory

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