

APPENDIX
(See Rule 6)
FORM – 'A'

Form for seeking prior approval under section 2 of the proposals by the State Governments and other authorities

PART – I

(TO BE FILLED UP BY USER AGENCY)

1.	Project Details:	
(i)	Short narrative of the proposal and project/scheme for which the forest land is required.	<p>The present proposal is for prior approval for diversion of 1.437Ha Forest land under <u>F(C)Act</u> 1980 and W(P) Act, 1972 for establishment of 3 MW Komaram Bheem Small Hydro Electric Project on left side of the Sri Komaram Bheem Medium Irrigation project. The irrigation project is located near ADA village in Adilabad. This proposed forest area comes under Ada Reserved Forest, Bellampalli division.</p> <p>Major components that are proposed to install are Intake, Head race Tunnel, Surge Shaft, Pressure Shaft, Power House, Switchyard, 33KV power line & Tail race channel.</p> <p>Existing approach road to the Komaram Bheem project will be used by Rohit energy for approaching the Hydel project. However for crossing the existing left flank canal we have discussed with Irrigation department to construct a small bridge and they have in principle agreed to allow us to construct this bridge. The bridge and the connecting road has been indicated in the drawing along with the coordinates.</p> <p style="text-align: center;">Detailed note on the project Enclosed.</p>
(ii)	Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.	<p>Map showing the reserved forest is enclosed.</p> <p>The ETS & DGPS/GNSS survey data map authenticated by the Forest department enclosed.</p>
(iii)	Cost of the project	Rs. 21.10 Crores
(iv)	Justification for locating the project in forest area.	<p>Rohit Energy Power private limited has a vision of developing Green energy projects and towards fulfilling this vision has been exploring various alternative sites for locating small hydro projects</p> <p>Encouraged by the policy of the Government on mini hydro projects is has identified few projects which could be executed with minimum disturbance to the environment and ecology</p> <p>The fundamental principle was to utilize the existing head and flow so that there is no need to construct any dam/barrage to create</p>

flow and head. The Company identified the existing dam constructed by Irrigation department Telangana in Adilabad district near Ada Village.

The feasibility report and DPR prepared has been prepared by extensive study on various alternatives keeping in mind the above objectives of minimum disturbance to the environment and ecology

Also during the discussions with the irrigation department it was agreed that the project will be constructed without any impact or interference to the existing structures or components of the Dam.

The dam has only one canal on the left side which is used to release the water for irrigation purpose named as left flank canal.

Irrigation department has got the land diverted from forest department for the dam, canal and other facilities which was inspected during the pre DPR stage

For developing this project there are two alternatives

- a. Locating the project on the left flank canal by constructing retaining walls downstream to the dam regulator gates or
- b. Locating the project by drawing water from foreshore of the dam.

The possibility of drawing water downstream of the canal and locating the Turbines on the canal was studied but in this alternative there will be requirement of constructing huge retaining walls on the downstream side of existing regulators (existing 3 gates for releasing the water for irrigation). Further this alternative will interfere with the existing structure and the new construction will not be able to fit into the original design assumptions of the dam.

The other alternative of drawing the water from foreshore and aligning the tunnel was studied and this was found suitable since in this alternative the hydro project will not interfere with the dam components. In this alternative also Rohit energy studied to locate with in the irrigation department land but the minimum safe distance to be maintained for taking up the construction of Intake structure, HRT (Head Race Tunnel), Surge shaft and pressure shaft has resulted in locating the components in forest land.

As can be observed from our efforts and studies that there is no other alternative but to locate the project in forest land. However all care has been taken to minimize the forest land and our design has been to acquire on 1 Hectare land only as mentioned in our application and drawings. This is the only alternative which is technically feasible to generate 3 MW power by utilizing the

optimum head available and by utilizing the flow of water released for irrigation purpose

(v) Cost-benefit analysis (to be enclosed) BCR – 2.08
Statement Enclosed.

(vi) Employment likely to be generated. The project will generate employment for around 50 people for 3 years.

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Purpose-wise break-up of the total land required.

Area for component works			
S.No	Description	Size	Area in Hectre
1	APPROACH CHANNEL	58 M X 6 M	0.0348
2	INTAKE STRUCTURE	15 M X 5 M	0.0075
3	HEAD RACE TUNNEL	209M X 3.7 M	0.007733
4	CIRCULAR SURGE SHAFT	16.2M DIA	0.020612
5	ROAD AROUND SURGE SHAFT	35M X 5M	0.0175
6	PRESSURE SHAFT	65MX3.6M	0.0234
7	POWER HOUSE	27.5M X 9.8M	0.02695
8	ROAD NEAR POWER HOUSE	42M X 7.83M	0.032886
9	SWITCHYARD	27.5M X 11.5M	0.031625
10	TAIL RACE CHANNEL	42.5M X 10.3M	0.043775
11	ROAD NEAR TAIL RACE CHANNEL	79M X 10.65M	0.084135
12	33KV LINE	691M X 15M	1.0365
	Total Area		1.437

*Note: Forest land for Re-diversion 0.0331Ha covered in S.No. 10 & 11 in the above Table.

3	Details of displacement of people due to the project, if any	
(i)	Number of families	
(ii)	Number of Scheduled Castes/Scheduled Tribe families	Do not arise as there are no displacement of the people for the project
(iii)	Rehabilitation plan. (to be enclosed)	
4	Whether clearance under Environment (Protection) Act, 1986 required? (Yes/No)	Doesn't arise
5.	Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. as per the scheme prepared by the State Government (undertaking to be enclosed).	Enclosed.
6.	Details of Certificates/documents enclosed as required under the instructions	<ul style="list-style-type: none"> 1) Justification for locating the project inside the Forest land. 2) Undertaking for depositing the funds towards raising and maintenance of Compensatory afforestation 3) Undertaking for depositing funds towards payment of Net Present Value (NPV) and additional NPV. 4) Undertaking for depositing the funds towards payment of extraction of tree growth 5) Certificate of Area Minimum 6) Undertaking no labour camp shall be established on the

			<p>forest lands during the construction</p> <p>7) Undertaking to give Compensatory Afforestation land.</p> <p>8) Undertaking to attend shortcomings & submit Raw data</p> <p>9) Undertaking to pay cost of raising and maintenance of CA land.</p> <p>10) Make and Model of survey instruments</p> <p>11) No Alternatives certificate</p> <p>12) Map in SOI toposheet showing the forest land.</p> <p>13) ETS & DGPS/GNSS survey data for forest land proposed for diversion</p> <p>14) DGPS survey Maps along with Authenticated map</p> <p>15) Certificate for Non-violation of Forest (Conservation) Act, 1980.....etc.</p> <p>16) Checklist</p> <p>17) User Agency Company Profile</p> <p>18) Clearances from various Technical & Administrative departments</p> <p>19) CA Land details</p>
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For Rohit Energy Power Pvt. Ltd

Pratima Reddy
Director