QUESTIONNAIRE FOR SITE ASSESSMENT (STAGE-II) OF RIVER VALLEY AND HYDROELECTRIC PROJECTS

I Total area proposed for the project (in ha.)

II Existing land usage of the proposed project site area (in hectares)

		Total
i)Agriculture a) Irrigated b) Unirrigated		
ii)Homestead		
iii)Forest		
iv)Grazing		
v)Fallow		
vi)Water bodies/River b		
Vii)Marshes		
viii)Others(Pl. Specify)		
Total		

III. Alternate sites(along with information on forest area under each alternative & no. of trees likely to be affected as well as this location in topo sheet) considered from the environment angle.

A. _____

B. _____

C. _____

D. _____

IV. Reasons for selecting the proposed site from the environment angle.

V. **Details of site.**

A. Seismicity

1. Whether the proposed dam site fall in seismically active area

Yes ☐ No ☐

If yes

2. What is the seismic zone?

3. Whether any major landslide occurred in the past?

If yes,

(a) Frequency of occurrence/decade

(b) Area affected (ha)

(c) Population affected (nos.)

B. Sites likely to be submerged

1. Mineral bearing

S. No.	Name of the Mineral

1. Archaeological sites/monuments

S. No.	Sites/Monuments	Antiquity

3. Place of worship

S. No.	Place	Period of construction

VI. In case of Irrigation projects –

1. Existing Cropping pattern

S. No.	Crop	Existing Area (ha)	Productivity (tonnes/ha)

2. Water logging (ha)

3. Infiltration rate (cms /hour)

(at least for two locations in each of the major soil groups identified)

Major soil group				
Infiltration rate				

VII. Nature of structure to be constructed i.e. Dam/Barrage/Pick up weir/canal.

a) Masonary/rockfill/Concrete
b) Height of structure from river bed.
c) Pondage area.
d) Length of HRT & TRT
e) Surface/Underground power house

VIII.

1. Sedimentation (hectare meter/sq.km/year)

Present rate

2. Length of river course which is likely to dry up due to impoundment (km)

3. In case of project where flow of water will be reduced due to withdrawal of water in between head race tunnel and tail race tunnel

i) Length (metre)

ii) Flow rate in river (m/sec)

IX. Whether any of the following exist within 7 km. of the project site. If so please indicate aerial distance from the periphery of submergence of the site and the name of the site.

S.No.		**Name**	**Aerial Distance (in Km)**
1.	National Park		
2.	Sanctuary/Tiger Reserve/Elephant Reserve		
3.	Core Zone & Buffer Zone of Biosphere Reserve		
4.	Habitat for migratory birds		
5.	Lakes/Reservoir/dams		
6.	Stream/Rivers		

X. In case of temporary construction

A. Length of roads to be built

B. Temporary sheds & Quarters

C. Temporary office & residential buildings

D. No. of people to be engaged

E. Location of labour colony.

V. Description of the vegetation (a) within project site (b) within 7m Km from the periphery of project site under following headings

A. Agricultural crops_____

B. Commercial crops_____

C. Plantation_____

D. Natural Vegetation/Forest Type (provide details)_____

E. Grass lands_____

F. Endangered species_____

G. Endemic species_____

H. Others (Please specify)_____

VI. Description of fauna within 7 Km under following headings.

A. Rare and endangered species

B. Species which require management

C. Species of economic significance

D. Species of special interest to local population or tourists

E. Aquatic fauna of commercial/recreational value and migratory fish species along with their spawning ground

F. Migratory route of terrestrial, aquatic as well as avi - fauna.

VII. **Present Water use downstream. (cubic meter/sec)**

S. No.	Usage	Present Consumption	
		Surface	Ground
1	Irrigation		
2.	Industry		
3.	Drinking		
4.	Other (Please specify)		
	Total		

VIII. Number of villages and families likely to be affected.

IX. Cost of investigation & survey and expenditure on environment protection at the time of survey and investigation.

XVI.

LIST OF DOCUMENTS TO BE ATTACHED WITH THE QUESTIONNAIRE IN RESPECT OF RIVER VALLEY AND HYDROELECTRIC PROJECTS.

1.	Topographic map covering 7 Kms Radius indicating main features, ecologically sensitive areas, area to be submerged, main canal net work (in case of irrigation projects only), archeological sites, migratory route of wild animals	
2.	Contour map of location of dam indicating submerged areas	