(iv) Demand-Supply Gap - NA

(v) Import Vs. Indigenous Production - NA

(vi) Export possibility - NA

(vii) Domestic / Export markets - NA

(viii) Employment Generation (Direct and Indirect) due to the project

Direct - 5 Lakh Man days

Indirect - 25 lakh man Days

3. Project Description

(i) Type of project including interlinked and interdependent projects, if any.

Earth Dam : Independent Project along with un-gated side spillway

(ii) Location(map showing general location, specific location, and project boundary & project site layout) with coordinates.

Index Map is Enclosed

(iii) Details of alternate sites considered and the basis of selecting the proposed site, particularly the environmental considerations gone into should be highlighted.

Three alternative sites (marked as 'A', 'B' & 'C' on toposheet) were examined and found unsuitable in comparison to presently finalized site.

Site 'A' – The dam line is between villages Chauridadar and Chhitakhudri. The site found unsuitable due to following reasons:

1. Yield and Live capacity is being reduced.
2. Valuable agriculture land of villages Satanjhir, Jaitpuri, Bhanpur, Khamariya, Jaldhara was coming under submergence.

Site 'B' – The dam line is between villages Biltukri and Bamhani. The site found unsuitable due to following reasons:

1. Two numbers villages namely Chhitakhudri & Bamhani are coming completely under submergence causing costly expenditure of R&R plan.
2. Part of Bamhani to Harduli road is also coming under submergence.
3. Two numbers Saddle Dams will also be required.

Site 'C' – The dam line is between villages Majhgawan and Bhainswahi. The site found unsuitable due to following reasons:

1. Two numbers villages namely Chhitakhudri & Bamhani are still coming under submergence causing costly expenditure of R&R plan.
2. Length of Dam will be more and thus causing costly earthwork .

(J. B. Misra)
Executive Engineer
Hiran Water Resources Division
JABALPUR (M P)

3. Levels not permitting to irrigate the focused command area.

Suitability of Present Site – The dam line is between villages Biltukri and Chhitakhudri. The site found suitable & selected due to following reasons:

1. Property submergence is minimum as only one village namely Chhitakhudri is coming under submergence.
2. Minimum dam length and thus causing lesser quantity of earthwork in comparison to other proposals.
3. Optimized yield with no saddle dam requirements and levels permitting as per the need of focused command area.

(iv) Size or magnitude of operation

1 Head Sluice (left bank) will be operated as per demand to irrigate left side area.

2 Intake well, Rising Main is proposed to irrigate right side command.

3 The surplus water will be discharged off through waste weir and un-gated side spillway.

(v) Project Description With Process Detail (a schematic diagram/flow chart showing the project layout, components of the project etc. should be given)

The project is in approval stage.

(vi) Raw material required along with estimated quantity, likely source, marketing area of final product/s, Mode of transport of raw Material and Finished product

The quantity of aggregate / rock required to be produced for the construction Earthen dam and other estimated structures of the project has been estimated to be around 28 million cubic meter. Borrow areas and rock queries have been identified near the project vicinity to provide construction materials in the form of soil, coarse and fine aggregate the sand deposits and its tributaries in the close proximity of projects will also be used for construction purpose.

(vii) Resource optimization/ recycling and reuse envisaged in the project , if any, should be briefly outlined.

Not Applicable

(viii) Availability of water its source, Energy/ Power requirement and source should be given.

Water will be available from the catchment of Chhitakhudri River. Net Catchment Area is 219 Sq. Km. Power will be available from diesel generator & through electric supply.

(J. B. Misra)
Executive Engineer
Hiran Water Resources Division
JABALPUR (M P)