

**PURPOSE WISE BREAK-UP OF THE TOTAL LAND REQUIRED FOR
CONSTRUCTION OF RESERVOIR AT TETAR PANCHAYAT OF MOHRA BLOCK
UNDER GAYA DISTRICT :-**

Storage Height of Reservoir = 26.0m

Total capacity of Reservoir = 18.53 MCM

Hence, Area required for storage of water in Reservoir,

$$= 18.53 \times 10^6 / 26$$

$$= 712692.31 \text{ m}^2$$

$$= 71.27 \text{ Hectares}$$

Area required for construction of Dam at one side (because rest sides of the region is surrounded by mountains) and necessary parts of the structures,

$$= 16.87 \text{ Hectares}$$

Total area required for complete all necessary set up at this site,

$$= 71.27 \text{ Hectares} + 16.87 \text{ Hectares}$$

$$= 88.14 \text{ hectares}$$

----- (A)

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66/03/20

**PURPOSE WISE BREAK-UP OF THE TOTAL LAND REQUIRED FOR
CONSTRUCTION OF WATER TREATMENT PLANT WITH SMALL RESERVOIR AT
ABGILA PANCHAYAT OF MOHRA BLOCK UNDER GAYA DISTRICT :-**

Storage Height of small Reservoir = 26.0m

Total capacity of small reservoir = 1.29 MCM

Hence, Area required for storage of water in reservoir,

$$= 1.29 \times 10^6 / 26$$

$$= 49615.38 \text{ m}^2$$

$$= 4.96 \text{ Hectares}$$

Area required for construction of Water Treatment Plant of capacity 186 MLD and all necessary components,

$$= 4.95 \text{ Hectares}$$

Total area required for complete all necessary set up at this site,

$$= 4.96 \text{ Hectares} + 4.95 \text{ Hectares}$$

$$= 9.91 \text{ hectares} \quad \text{----- (B)}$$

Total area required for both site,

$$= (A) + (B)$$

$$= 88.14 + 9.91$$

$$= 98.05 \text{ Hectares}$$

Signature
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