

SALIENT FEATURES OF SATIGUDA IRRIGATION PROJECT :

MALKANGIRI

Location

State	Orissa
District	Malkangiri
Latitude	18.21'42"
Longitude	81.56

Hydrology

Catchment Area	129.50 Sq. Km.
Water Spread Area	11.47 Sq.km.
Mean Annual Rainfall	172.63 mm.

Important Reservoir Levels & Capacities.

Top Level of Dam	196.50 m.
Maximum Water Level	194.29 m.
Full Reservoir Level	192.63 m.

Dead storage Level ^{flow} 182.88 m.

Gross Storage ^{way} 7490.00 Ham.

Dyke Live Storage 672.00 Ham.

Dead Storage 770.00 Ham.

Dam Length

Type Earth Fill

Irrigation

Length 2707.00 m.

Maximum Height 24.80 m.

Top Width ^{gation} 6.00 m.

Free Board ^{tion} 1.61 m.

Spillway

Type Masonary Overflow weir (Ogee type)

Crest Level 192.63 m.

Max.Depth of over flow 1.88 m.

A. CRITICAL

Length of Spillway 25.60 m.

Dyke

1 Improvement to ...
taking at RD 0.43 ...
Malkangiri under ...
Type Earth fill

2 Improvement to ...
at RD 1.33 KM ...
Length 701.00 m.

Irrigation

3 Improvement to ...
at RD ...
Distributary of ...
under Critical ...
2016-17.

CCA at RD ...
Distributary of ...
under Critical ...
2016-17.

Kharriff Irrigation 9065 Ha.

4 Improvement to ...
at RD 4.02 KM ...
of RMC of SIP ...
Rabi Irrigation 4535 Ha.

5 Improvement to ...
at RD 2.55 KM ...