

AJMER VIDHYUT VITARAN NIGAM LTD.
OFFICE OF THE ASSISTANT ENGINEER(O&M) A.V.V.N.L. Begun

PROJECT-REPORT

The new 33/11 KV GSS 1x3.15MVA capacity is proposed at load centre at JOGANIYA MATA (Grampanchayat rawarda) to reduce T&D losses, improving quality of power and to sort out low voltage problem by tapping 5.5 Km. 33 KV line from 220 kv gss mandalgarh to bijoliya (CIRCLE BHILWARA) existing 33 KV Inter connection Line.

Presently the supply of 11 KV feeders JOGANIYA MATA is feeding from 33/11 KV GSS Rayati . after erection of new gss sanctioned Chandakhedi 11 kv feeder joganiya mata will be feeded from 33/11 kv GSS Chandakhedi . supply of 33/11 KV GSS Rayati is feeding from 132/33 KV GSS Katunda mod 33 kv Anwalheda feeder. supply of 33/11 KV GSS Chandakhedi (sanctioned) will feeding from 132/33 KV GSS Katunda mod 33kv feeder samriya. Percentage VR of 11 kv joganiya mata feeder is on very high side, that's why consumers connected on above feeder are facing lots of low voltage problem and irregular power supply. , In the above area mostly domestic, non domestic and agriculture consumers exist and many applications for new agriculture connections are also pending.it is essential to create a new 33/11 KV Sub-Station at village joganiya mata .

Rawaddada Panchayat is geographically separated from begun subdivision . 33 kv feeder bijoliya (circle bhilwara) interconnection is passing from this panchayat's menal village. So it will be convenient to erect 33 kv line from this feeder to load Centre joganiya mata .

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Looking to the above facts & necessary to provied 2 block supply in day hours for Ag consumer. it is essential to create a new 33/11 KV sub-station at JOGANIYA MATA village to reduce T&D Losses, strengthen existing network, and minimize the break down. The net energy saving will be 2.02 L.U. per year.

Joganiya Mata is very famous religious temple and around 10 villages will be benefited by creation of this Substation .

The scheme is technically and financially justified and is viable from each angle .

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