

COST BENEFITS ANALYSIS

Electricity is basic human need. It is a critical infrastructure on which socio economic development of country depends. Recognizing that electricity is one of the key-drivers for rapid economic growth, the Central Government has notified 'The National Electricity Policy' with smart objective 'Power for all' by year 2020. It ensures the accelerated development of power sector, reliable & quality power at reasonable rates to consumers.

In order to meet the objectives, set above, comprehensive plan for addition in power generating capacity along with associated transmission network has been formulated by Government of India. As a part of this comprehensive plan, Government of Gujarat has decided to establish more and more substation in Tribal Areas; this 66KV Jirval , Nandgam ,and Ghanveri sub-station is planned to established during the year 2019-20. With its associated line from existing 66KV Line and substation to proposed 66KV Jirval, Nandgam and Ghanveri sub-station having total line length are 5.665KM Jirval)+6.425KM (Nandgam)+12.495KM (Ghanveri) so total 24.585 Km.

These areas of Kaparada taluka area covered in TASP scheme by Government of Gujarat and also remote area and tail end of Gujarat State and required to be developed as per Government of Gujarat TASP scheme and after commissioning 66KV Jirval LILo from 66KV Kakadkopar-Kaparada line, 66KV Nandgam LILo from 66KV Kaparda -Sahuda line and 66KV Astol-Ghanveri line remote area of Jirval, Nandgam and Ghanveri area around these villages will get quality and continuous power supply to domestic, agricultural, commercial, industrials, etc all types of consumers and social school, PHC, utilities etc. all types our valuable consumers, from both of our 66KV Jirval sub-station, 66KV Nandgam substation and 66KV Ghanveri sub-station respectively. (Total" 21.6360 Hac Diversion of Reserved Forest land required)

This Project will considerably transform the socio-economic status of the people, as there is potential for direct employment generation to the extent of 3000 persons. Over & above, this additional generation shall fulfill the power requirement of different projects being set up by private industrial groups particularly in south Gujarat tribal area. Hence there will tremendous chances of indirect employment generation. This in turn will act as stimulus & boost up our economic growth. Ultimately, all sectors of society including Central & state government shall be benefited either directly or indirectly.

The erection work of said lines work will be carried out through award of works on contract after calling for tender, the work will require extensive engagement of manual labour, and this will generate employment for the public in the vicinity of the line route. Entire District population will be benefited due to the expected employment directly and indirectly generated for about 4000 man days while execution of work and 40 man day daily after commissioning of this project.

COST BENEFITS ANALYSIS

Sr. No.	Parameters	Erection of Transmission line
1	Increase in productivity attributable specific project.	30%
2	Benefits to economy	Very much electricity plays an important role in development of each and every field as speeds up growth in overall economy.
3	No. of population benefited	Approx.30000 consumers of Jirval, Nandgam & Ghanveri of Kaparada Taluka and surrounding area
4	Employment potential	About 4000 man days while execution of work and 40 man days daily after commissioning of this project
5	Cost of acquisition of facility on non-forest land whatever feasible	Not applicable
6	Loss of (a) agriculture and (B) animal husbandry production due to diversion of forest land	Nil
7	Cost of rehabilitation of the displaced persons as different from compensatory amounts given for displacement	No displacement and hence question of rehabilitation does not arise.
8	Cost of supply of free fuel-wood to workers residing in on near forest area during the period of construction	Not applicable

For Gujarat Energy Transmission Corp. Ltd.,

(P. N. PATEL)
Executive Engineer (Const.)
GETCO, Navsari.