FORM-A

PART-I

: Purpose:-

Constructing 132 KV D/C Mul-SICOM Chandrapur electricity transmission line.

Brief Note:-

The construction of 132 KV D/C Mul-SICOM Chandrapur electricity transmission line is passes through various village of Chandrapur District. The total length of the line is 48.615 KM. The personal under forest conservation Act. 1980 is being submitted for the approval of the central government for diversion of forest land in Chandrapur district. The need of said project is as below. At present 220 KV Gadchiroli District is radially fed from 400 KV Chandrapur S/S via 220 KV Gadchandur & 220 KV Virur S/Stn which is nearly 200 ckt kms away. 132 KV Mul is important substation in chandrapur District as it's install capacity is 50 MVA having 07 Nos. of 33ky Feeders emanating from this S/St in addition to this, there is 02 Nos. of EHV ORC consumers namely Greta & Prithvi are connected. KV SICOM S/Stn is fed from 400 KV Chandrapur and 132 KV

1. Project Details:-

 i) Short narrative of the proposal & project for which the forest land is required. S/Stn is nearly 50KM way from SICOM S/Stn. Hence, construction of 132KV transmission line from 220/132/33KV SICOM S/Stn to 132KV Mul S/Stn will be beneficial to strengthen the EHV network in Chandrapur district formation of GRID.

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ii) Map Showing the required forest area boundary of adjoin forest on a 1:50000 scale map :The requisite map in 1:50000 scale is enclosed in the proposal.

iii) Cost of the Project

: Rs.56.35 Crores.

iv) Justification for locating the project in the forest area

: The route of the line selected from 132kv d/c line from 220/132 kv sicom s/stn to 132 kv mul s/stn is passing through Chandrapur District. It covers minimum forest area the route selected is suitable for construction & maintenance purpose. There is no other alternative route available other than the route selected.

v) Cost -benefit analysis

: Attached separately herewith Page No...

vi) Employment like to be generated

Transmission of the power, employment to the youth of Maharashtra and Eastern region (Vidarbha) are increased due to industrial development in that region and more possibilities of employment generation in other industries as well as in power sector also.

2. Purpose-wise break-up of the Forest land required.

				Forest	Land Req	uired			Nor	- Fores	st Land	Required		Total
Name			EMM			Area		Legal				Ar	ea	Area
of Village	comp t, No	Suy/ Gut,N o	Lengt h (m)	Wid th (m)	SQM	НА	Village wise Total	Statu s of Land	Suy/Gut,N o	th (m)	Wid th (m)	SQM	НА	Forest & Non- Forest (Ha)
Compt.	0		0	0	0	0	0	Nil	compt,no, 406 Dis Forest under possession MEL.	963	27	26001	2.6001	2.6001
	408	E B	220	27	5940	0.594	0.594	RF	0	0	27	0	0	0.594
	409		1985	27	53595	5.3595	5.3595	RF	0	0	27	0	0	5.3595
Lohara Tal: Chandra pur		27, 29.	24	27	648	0.0648	0.0648	Govt, Kuran	45,46,102, 32,33,28,3 0,22,20,18, 15,19, 103,14.	962	27	25974	2.5974	2.6622
	411		954	27	25758	2.5758	2.5758	RF	0	0	27	0	0	2.5758
	412		1503	27	40581	4.0581	4.0581	RF	0	0	27	0	0	4.0581
	415		1416	27	38232	3.8232	3.8232	RF	0	0	27	0	0	3.8232
Compt.	416		1527	27	41229	4.1229	4.1229	RF	0	0	27	0	0	4.1229
No.	418		800	27	21600	2.16	2.16	RF	0	0	27	0	0	2.16
	419		718	27	19386	1.9386	1.9386	RF	0	0	27	0	0	1.9386
	420		674	27	18198	1.8198	1.8198	RF	0	0	27	0	0	1.8198
0	421		262	27	7074	0.7074	0.7074	RF	0	0	27	0	0	0.7074
Valorii Tal: Chandra pur	Nil	Nil	0	0	0	0	0	Nil	46,Road, 45, 42, 43/1,43/2	400	27	10800	1.08	1.08
Compt.	615	41	488	27	13176	1.3176	1.3176	PF	0	0	27	0	0	1.3176
NO.	422		2015	27	54405	5.4405	5.4405	RF	0	0	27	0	0	5.4405
Chinchp	528	222	965	27	26055	2.6055		RF	215, 214, 225, 182,					
Chinchp alli Tal: Chandra pur	629	222,2 21,21 6.	658	27	17766	1.7766	4.3821	PF	181,180, 179, 178, 177,288, 172, 174, 175,176.	1007	27	27189	2.7189	7.101

Sandala (Rith) Tal: Chandra pur Kelzar Tal: Chandra	Nil	Nil	0	0	0	0	0	Nil	13,12,14,1 5,16,174,5 7,56,55,54. 176, 177, 175, 179, 181, 180, 185, 194, 193, 192,	1529	27	18036 41283	1.8036	1.8036
Maral Sawali Chak Tal: Chandra pur		50	47	27	1269	0.1269	0.1269	Govt, Kuran	32,33,34,3 5,36,37,49, 47,48.	690	27	18630	1.863	1.9899
Maral Sawali MA Tal: Chandra	713	21	126	27	3402	0.3402	0.3402	PF	0	0	27	0	0	0,33958
Nagala Tal: Chandra pur	Nil	Nil	0	0	0	0	0	Nil	14,25,15,1 6,17,18,11, 10,9,8,5,3, 195,192,19 1,196,186, 175,174,17 3,172,171.	1566	27	42282	4.2282	4.2282
Mahad Wadi Tal: Chandra pur	Nil	Nil	0	0	0	0	0	Nil	98, 97, 96, 94, 93, 91, 88, 87, 83.	660	27	17820	1.782	1.782
Gondsa vari Tal: Chamira	Nil	Nil	0	0	0	0	0	Nil	63,64,73,6 5,72,70,67, 68,251,252 ,253,260,2 59,258,273 ,272,271,2 70, 264, 281, 282,	1630	27	44010	4.401	4.401
Ajaypur Tal: Chandra pur	632	172	15	27	405	0.0405	0.0405	PF	9,8,7,6,4,5, 3,282,339, 283,340,28 4, 286,287,28 8,322,321, 320,289,29 0,346,195, 291,293,19 3,192,191, 190,127,12 9,128,147, 146,66,145 ,144,143,1 42.	3510	27	94770	9477	9477.04

Sarajkh eda Chak Tal: Chandra pur	Nil	Nil	0	0	0	0	0	Nil	13,12,Railw ay,21,22,34 ,33,32,31,2 7,28, 26,47, 48, 49, 50.	1216	27	32832	3.2832	3.2832
Manda Tukum Tal: Mul	Nil	Nil	0	27	0	0	0	Nil	113, 111, 112, 110, 109, 104, 105, 102, 101, 100, 99, 98, 97, 96, 95, 94, 93, 92, 91, 90, 87.	1006	27	27162	2.7162	2.7162
	Comp No- 692		266	27	7182	0.7182	0.7182	PF	0	0	27	0	0	0.7182
•	NO-	706	76	27	2052	0.2052			440,439,41 6,Road,411 ,409,410,4 07,405,381 ,384,383,3 82,362,363					14.9526
Chiroli Tal: Mul		711	. 766	27	20682	2.0682	3.9906	PF	,320,316,3 13,255,254 ,256,253,2 52,251,250 ,206,207,2 12,213,8,9, ,66,41,42,4 4,45,46,77 1,773,772, 758,759,74	4060	27	10962	10.962	
		659	636	27	17172	1.7172			0,757,738, 737,734,73 3,728,729, 688,689,69 0,691,692, 696,695,69 9,703,704, 702,705,70 7.					
Chak Kawadp eth Tal: Mul	Nil	Nil	0	0	0	0	0	Nil	72,71,74,7 6,77,81,94, 95,103,102 ,101,99,10 8,109,110, 131,130,14 5,144,143, 142.	2123	27	57321	5.7321	5.7321
Chak Kawadp eth Mal Fal: Mul	Nil	Nil	0	0	0	0	0	Nil	69, 70, 86, 87, 88, 90, 12, 13, 14, 20.	786	27	21222	2.1222	2.1222

Gothan gaon Rith Tal: Mul		263	45	27	1215	0.1215		Jangal	269, 270, 271, 276, 277, 278, 279, 280, 281, 282, 283, 287, 288, 289, 290, 291, 292, 293, 194, 152, 151, 150,					
		321	65	27	1755	0.1755	0.297		157, 159, 160, 161, 162, 163, 164, 169, 165, 166, 168, 167, 180, 133, 184, 131, 132, 128, 217, 125, 119, 126, 116, 117, 115, 109, 110, 111.	2023	27	54621	5.4621	5.7591
		38	40	27	1080	0.108			57,62,63,6 1,60,59,69, 37,39,510, 483,481,48 0,486,487,					
Tadala Tukum Tal: Mul		464	10	27	270	0.027	0.135	Govt, Kuran	488,477,49 2,462,461, 440,458,44 1,457,456, 455,454,32 4,444,445, 446,453,45 1,448,449, 447,392,39 1,390,385, 384,381,38 2,	1908	27	51516	5.1516	5.2866
Tadala Rith Tal: Mul	Nil	112	10	27	270	0.027	0.027	Govt, Kuran	115,114,11 3,108,22,3 6,34,35,43, 42,41,40,3 2,44,45,	480	27	12960	1.296	1.323
Antarga on Paurwa hí Tal: Mul	Nil	Nil	0	0	0	0	0	Nil	223,231,23 2,230,229, 228,244,24 5,248,251, 279,277,27 6,275,274, 273,272,26 8,121,120, 119,118,11 4,	2360	27	63720	6.372	6.372

	Total	16311	27	44039 7	44.039 7	44.0397			3225 4	27	87085 8	87.085	131.125
Mul Tal: Mul Nil	Nil	0	0	44039	44.039	0	Nil	191,289, 287, 288,290, 291,295,33 0,329,334, 335, 336,346,34 3,344,345, 348,349,35 1,357,358, 359,350,35 2,529,353, 355,528,35 6,487,484, 485,483,47 6,477,482, 478.	2707	27	73089 87085	7.3089 87.085	7.3089
								228,227,23 4,236,248, 250,251,25 2,253,254, 256,259,25 8,274,273, 275,272,27 1,276,277,					

3. Details of displacement of people due to the project, if any

i) Number of families

: Nil

ii) Number of scheduled castes
/Scheduled tribe families

: Nil

iii) Rehabilitation Plan (to be enclosed.)

: Not Applicable.

4. Whether clearance from environment (Protection) Act 1986 required (Yes/No.)

: No.

5. Undertaking to bear the cost of Rising and maintenance of compensatory a forestation and /or penal compensatory a forestation as well as cost for protection and regeneration of Safety zone etc.

: Attached separately herewith page no.

as per the scheme prepared by the state Govt.

6. Details of Certificates/documents

: Attached separately herewith Page No

There is no suitable alternate non-forest land available for proposed transmission line. The isolated forest areas from the villages along the route are avoided by deviating the line except at Village: Lohara, Valani, Chinchpali, Ajaypur, Ghondsawari, Mahadwadi, Nagala, Maralsawari, Maralsawari Chak, Sandala rith, Kelzar, sarajkheda, Manda Tukum, Chiroli, Chak Kawadpeth, Chak Kawadpeth Mal, Gothangaon rith, TandalaTukum, Tandala rith, Antargaon, Mul, (Tal: Chandrapur & Mul, Dist: Chandrapur) No other alternative route is feasible for laying the said EHV transmission line. The proposal is submitted for approval.

(K. N. Bhoyar)

Executive Engineer EHV Project Division

Chandrapur

E.H.V. Project Division M.S.E.T.C. Ltd. Chendrapur

Project details and brief Note on Project

Project Details: -

Administrative Sanction :-

The scheme is sanctioned vide M.B.R. No. 119/11 on dated 05.08.2017 at an estimate cost of Rs. 56.35 crores.

Brief Note: -

The construction & laying of 132 KV D/C Mul-SICOM Chandrapur transmission line in Chandrapur District.

The construction of 132 KV transmission line from 220/132/33KV SICOM S/Stn to 132 KV Mul S/Stn is passé through various village of Chandrapur District. The total length of the line is 48.615 KM.The personal under forest conservation Act. 1980 is being submitted for the approval of the central government for diversion of forest land in Chandrapur district. The need of said project is as below.

- At present 220 KV Gadchiroli District is radially fed from 400 KV Chandrapur S/S via 220 KV Gadchandur & 220 KV Virur S/Stn which is nearly 200 ckt kms away.
- 132 KV Mul is important substation in chandrapur District as it's install capacity is 50 MVA having 07 Nos. of 33kv Feeders emanating from this S/St in addition to this, there is 02 Nos. of EHV ORC consumers namely Greta & Prithvi are connected.
- 220KV SICOM S/Stn is fed from 400 KV Chandrapur and 132 KV S/Stn is nearly 50KM way from SICOM S/Stn. Hence, construction of 132KV transmission line from 220/132/33KV SICOM S/Stn to 132KV Mul S/Stn will be beneficial to strengthen the EHV network in Chandrapur district formation of GRID.

Benefits of the projects: -

- 132 KV Mul S/stn will get strong source from 220/132/33 KV SICOM S/stn.
- Strengthening of EHV Network.
- · Reliability of supply.
- · Redundancy of power supply.
- Continue power supply to all industries and farmers.
- Project expected to reduce zero load shedding.

The project is also expected to help in alleviating development constraints in agriculture, commerce, education, health, social, welfare, and public safety.

(K.N. Bhoyar)
Executive Engineer
EHV Project Division

Chandrapur
EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

COPY OF ADMINISTRATIVE APPROVAL TO THE PROJECT

This proposed 132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line is included in the scheme of M.S.E.T.C.L.

The scheme is approved by Maharashtra State Electricity Transmission Company Limited, Mumbai, it is to state that the proposed 132KV D/C LINE FROM 220/132 KV SICOM S/STN TO 132 KV MUL S/STN total length 48.615 KM. The personal under forest conservation Act. 1980 is being submitted for the approval of the central government for diversion of forest land in Chandrapur district. At present 220 KV Gadchiroli District is radially fed from 400 KV Chandrapur S/S via 220 KV Gadchandur & 220 KV Virur S/Stn which is nearly 200 CKT. kms away. 132 KV Mul is important substation in chandrapur District as it's install capacity is 50 MVA having 07 Nos. of 33kv Feeders emanating from this S/St in addition to this, there is 02 Nos. of EHV ORC consumers namely Greta & Prithvi are connected. KV SICOM S/Stn is fed from 400 KV Chandrapur and 132 KV S/Stn is nearly 50 KM way from SICOM S/Stn. Hence, construction of 132KV transmission line from 220/132/33KV SICOM S/Stn to 132KV Mul S/Stn will be beneficial to strengthen the EHV network in Chandrapur district formation of GRID. The forest area demanded is barest minimum requirement for the said transmission line project

(K.N.Bhoyar)
Executive Engineer
EHV Project Division

CHV Project Division Chandrapur

EXECUTIVE ENGINEER

E.H.V. Project Division

M.S.E.T.C. Ltd. Chendrapur



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.

(CIN No. U40109MH2005SGC153646)

From,

Name of Office: Chief Engineer (Project Scheme)

Office Address: 'Prakashganga', MSETCL, Plot no. C-19, E-Block, Bandra Kurla complex, Bandra (E), Mumbai - 400051

Contact No: (O) 26595131 / (P) 26595130

FAX:

022-26598587

Email Id:

cepd@mahatransco.in

The Chief Engineer

EHV Project cum O&M Zone

MSETCL

Nagpur

Ref. No:- MSETCL/CO/Project Scheme/Scheme-III/ 132 kV Linkline/ 9262

Date: 19/08/17

te

Sub.: "132 kV level creation by installing 1X100 MVA, 220/132 kV ICT at 220/33 kV Sicom s/s and

construction of 132 kV DC line from Sicom to Mul s/s."

Ref.: Board Resolution no. 119/11 dtd. 05.08.2017.

The scheme mentioned above has been approved by the Board of Directors vide Board Resolution no. 119/11 dtd. 05.08.2017 at an estimated cost of Rs. 5634.60 Lakhs. The copy of the sanctioned scheme* is enclosed herewith for further needful action.

It is to inform that Executive Engineer of respective EHV Project Division is the nodal officer for monitoring total execution of work for the scheme. The brief description of activities to be monitored by nodal officer is enclosed herewith.

It is requested to provide needful manpower and machinery to the officer, so that the project activities are monitored efficiently and timely.

* Detailed scan copy of scheme report will be mailed separately. (Email Id: prjscheme@gmail.com) Encl: As above.

Mrs. C. N. Bendre

Chief Engineer (Project Schemes)

Copy s. w. rs to:

1) The Dy. Secretary (Energy), Govt. of Maharashtra, Mantralaya, Mumbai – 32

Copy s.w.rs.to:

1) The Chief Engineer (STU), MSETCL, Prakashganga, Mumbai.

2) The Chief Engineer (O&M), MSETCL, Prakashganga, Mumbai.

10 ATR_Field_Sicom Mul doc

Page 1 of 3

EXECUTIVE ENGINEER E.H.V. Project Division M.S.E.T.C. Ltd. Chandrapur

Cost Benefit of 132 KV DC Mul - SICOM Transmission line for forest land 44.0397 Ha. Diversion in accordance with the MOEF& CCS

Guidelines Date 1/8/2017

	& moisture conservation cost. Total Estimated cost of Forest Diversion:-	Rs. 963.89lakhs
8.	Compensatory afforestation and soil	Rs.6.63per ha x 44.0397 ha = 291.98 lakhs
7.	Habitat Fragmentation Cost.	50 % of Rs. 353.63 lakh Net Present Value for habitat fragmentation cost = Rs.176.81 lakhs.
6.	Cost of suffering to oustees.	Nil.
5.	Possession value of forest land diverted.	30% of 353.63 lakh Net Present Value for possession value of forest land comes to = Rs.106.09 lakh.
4,	Loss of public facilities and administrative infrastructure (Roads, building, schools, dispensaries, electric lines, railways, etc.) on forest land, which would require forest land if these facilities were diverted due to the project.	Not applicable.
3,	Cost of human resettlement.	There will be no loss involved on account of human resettlement.
2.	Loss of animal husbandry productivity, including loss of fodder.	10% of 353.63 lakh of the total Net Present Value calculated as above come to = 35.36 lakh.
1.	Ecosystem services losses due to proposed forest diversion.	Net Present Value for 44.0397ha.of forest land = @ 8.03lakhs per ha. Net Present Value for 44.0397ha. Of forest land = 44.0397 x 8.03 = 353.63lakh.

Sr. No.	Parameters.	Evaluation of Benefits.		
1.	Increasing of	(A) Due to increase in Agriculture produce :-		
	productivity attributed to specific project.	Agricultural Produced Value in (Rs.Lakhs) before Completion of the Project Quantity In Mt. 263.24	Total cost.	
		II) Agricultural Produced Rs 972.52 before Completion of the Project Quantity In Mt. 2089.82	= 2019.83 Lakhs	
		III) Increase in Agricultural Rs 403.96 Produce per year Quantity in Mt. 1826.58		
		B)	52.50 Lakhs	
		Due to rise in Electricity Power in the project 21 villages are to be benefited In the command area due to construction Of this project by way of increase in Industries Area. Assuming benefit on this account to be Rs.25000/- /village/year. , the total value of benefits That will accrue on this account for 50 years		
		Due to increase in timber out turn. In the area adjoining to the reservoir it is. Assumed that @ Rs. 1200/- per m. width Of the forest all along the 4500 m. Periphery of the reservoir will be benefited Due to Electricity Power =10 x 4500/- Total out turn from the forest of 44.0397 ha is Rs.45000/- per ha./ Year assuming 20% increase in annual Out turn the value per hector 45000 x 3.9=178360.8 Therefore 44.0397 ha to accrue in 50 years will be = 0.4 X 50 X 178360.8	4.5 Lakhs 35.67 lakhs	
		D) Annual production of @ 5000Kg/14.75 amounting to Rs. 20.00 Lakh per year deduction of expenditure the overall benefits of this accounts for 50 years = 20 x 50	1000.00lakhs	
		E)	***	
		Benefits due to hydro power Generation is	Nil	

2.	Benefit of Economy due to the specific project.	It is assumed that there will be over all benefit to the economy, @ 10% in the agriculture output worked under parameter, thus benefit to the project will be Rs.201.98
3.	No. of population benefited due to specific project.	In all four villages are to be benefited in the command area due to this project. Total population of these villages is 4000 assuming of 3members per family total No. of families benefited will be @ 500/- family. Assuming increase in income per family @ Rs.4500/- per year due to additional employment changes in Agriculture. Over all benefits to the population on this account for 50 years will be Rs 840.00Lakhs .
4.	Economic benefits due to direct and indirect employment due to the project.	(i) The total cost of the project is Rs.56.35Lakhs excluding contingency and work charges cost. Employment generated during the construction of project and the labour component will be 400 lakhs. The employment generated assuming the labour wages @ Rs.396.73 per day @ 400 lakhs man days in monetary terms the employment potential will be = 60000 x 300 = 238.038 lakhs. (ii) Employment generated after completion of the project it has been observed from the statistics available for the Electricity Power in operation that a labour potential of man days/ha/year is generated potential due to employment in fields in agro based industries. In case of the project the command area is not applicable assuming wages @ Rs.500/- per day, therefore employment generated will be = 51 x 500x 50 = 101.16lakhs. iii) Total of Para (I) + (ii) = 339.20 lakhs.
5.	Economics benefits due to Compensatory Afforestation.	a) NPV for Dense Forest=8.03 lakhs x 44.0397 ha x 25 year = 8840.97 lakhs . b) NPV for open Forest = 6.25 lakh x 44.0397 ha. x 25 = 6892.21 lakhs
	Total	Rs 20024.89lakhs

CALCULATION OF BENEFIT / COST RATIO.

Total Cost (As per Table B Calculation = Rs. 963.89lakhs

Total Benefits (As per Table Calculation)= Rs 20024.89lakhs

Total Benefit / Cost Ration. = Rs. 20.98

Executive Enginner EHV Project Division

Chandrapur EXECUTIVE ENGINEER E.H.V. Project Division M.S.E.T.C. Ltd. Chandrapur

Alternatives Examined Certified that following alternatives are examined.

Alternative No.	VILLAGE	Compt.no./ Sur. No.	LENGTH, WIDTH AND AREA (Sq.M)	Forest AREA (HA)	Reason for site Selection or Rejection		
	Compartment No.	408,409,411, 412,415,416, 418,419,420, 421,422,615.	12562 X 27=339174	33.9174			
	Lohara	27, 29	24 X 27=648	0.0648			
	Chinchpali	528,629	1623 X 27=43821	4.3821	The alignment I is		
	Ajaypur	632	15 X 27=405	0.0405	involving minimum		
	Maral sawari Ma	21	126 X 27=3402	0.3402	Area of forest against II & III. The site is suitable for		
	Maral sawari Ch	50	47 X 27=1269	0.1269	construction of		
	Chiroli	720	1478 X 27=39906	3.9906	line. Hence this route is selected.		
	Manda Tukum	692	266 X 27=7182	0.7182			
	Tandala Tukum	38,464	50 X 27=1350	0.1350			
	Gothangaon Rith	263, 321.	110 X 27=2970	0.2970			
	Tandala Rith	112	10 X 27=270	0.0270			
	Tota	ıl	16311X27 = 440397	44.0397			

Alternativ e No.	VILLAGE	Compt.no./ Sur. No.	LENGTH, WIDTH AND AREA (M)	Forest AREA (HA)	Reason for site Selection or Rejection
11	Compartment No.	408,409,410 ,413,415,41 6418,419,42 0,421422,69	15330.41 X 27	41.3921	The alignment II is involving more

Tot	tal	20299.62 x 27 = 548089.74	54.8089	
Chiroli	721	999.18 X 27	2.6977	
Chak Chiroli	Sr No 37,40,41,42, 43	636.65 X 27	1.7189	
Sarajkheda Chak	134	534.82 X 27	1.4440	
Maral sawari	713 Sr.No. 31,43,45	874.25 X 27	2.3604	route is rejected.
Chinchpali	528, Sr.No. 222	1924.01 X 27	5.1948	maintenance purpose of line. Hence this
	2,517			area of forest against I .The site is not suitable for construction and

Alternativ e No.	VILLAGE	Compt.no./ Sur. No.	LENGTH, WIDTH AND AREA (M)	Forest AREA (HA)	Reason for site Selection or Rejection			
	Compartment No.	408,409,54 1,395,394,5 20,616,530, 519,627,10 05,524,	20659.35 X 27	55.7802	The alignment III is			
	Chanchpali	628 Sr.No.06	410.77 x 27	1.1090	involving more area of forest against I.The site is not suitable			
III	Chiroli	536, Sr. 656,653,65 5,657	1811.68 X 27	4.8915	for construction and maintenance purpose of line. Hence this			
	Nagala	709 Sr. No. 64	361.79 X 27	0.9768	route is rejected.			
	Chak 522 Sr. Kawadpeth No. 07		650.78 X 27	1.7571				
	Chak dagadtal	754	1746.70 X 27	4.7160	Late Marie Santa			
	Tot	al	25641.1X 27 = 692308.9	69.2308				

The Alternative No. II & III are having more length/area compared to Alternative- I and these routes are not suitable for construction of line.

The Alternative No.-I is having minimum requirement of forest area and suitable for construction and maintenance of line.

(K.N. Bhoyar)
Executive Engineer
EHV Project Division
EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

Certificate No. 004

:11

CERTIFICATE

(by project authority for Minimum demand of forest area)

This is to certify that, no suitable alternate Non-Forest Land is available for the purpose of Construction of 132 KV D/C MUL-SICOM Chandrapur Electricity Transmission Line at two locations for the proposal of and demand for the required forest land is minimum.

				Forest L	and Requ	ired			Nor	Total				
Name of Village						Area		Legal				Ar	ea	Area Forest
	comp t, No	Suy/ Gut,N	Lengt h (m)	Wid th (m)	sQM	на	Village wise Total	Statu s of Land	Suy/Gut,N o	th (m)	Wid th (m)	SQM	НА	& Non- Forest (Ha)
	0		0	0	0	0	0	Nil	compt,no, 406 Dis Forest	963	27	26001	2.6001	2.6001
Compt.	408		220	27	5940	0.594	0.594	RF	0	0	27	0	0	0.594
	409		1985	27	53595	5.3595	5.3595	RF	0	0	27	0	0	5.3595
Lohara Tal: Chandra pur	409	27, 29.	24	27	648	0.0648	0.0648	Govt, Kuran	45,46,102, 32,33,28,3 0,22,20,18, 15,19, 103,14.	962	27	25974	2.5974	2.6622
	411		954	27	25758	2.5758	2.5758	RF	0	0	27	0	0	2.5758
0	412		1503	27	40581	4.0581	4.0581	RF	0	0	27	0	0	4.0581
	415		1416	27	38232	3.8232	3.8232	RF	0	0	27	0	0	3.8232
	416		1527	27	41229	4.1229	4.1229	RF	0	0	27	0	0	4.1229
Compt. No.	418		800	27	21600	2.16	2.16	RF	0	0	27	0	0	2.16
	419		718	27	19386	1.9386	1.9386	RF	0	0	27	0	0	1.9386
	420		674	27	18198	1.8198	1.8198	RF	0	0	27	0	0	1.8198
	421		262	27	7074	0.7074	0.7074	RF	0	0	27	0	0	0.7074
Valani Tal: Chandra pur	Nil	Nil	0	0	0	0	0	Nil	46,Road, 45, 42, 43/1,43/2	400	27	10800	1.08	1.08
Compt.	615	41	488	27	13176	1.3176	1.3176	PF	0	0	27	0	0	1.3176

No.	422		2015	27	54405	5.4405	5.4405	RF	0	0	27	0	0	5.4405
Chinchp alli Tal: Chandra pur	528	222	965	27	26055	2.6055		RF	215, 214, 225, 182,					
	629	222,2 21,21 6.	658	27	17766	1.7766	4.3821	PF	181,180, 179, 178, 177,288, 172, 174, 175,176.	1007	27	27189	2.7189	7.101
Ajaypur Tal: Chandra pur	632	172	15	27	405	0.0405	0.0405	PF	9,8,7,6,4,5, 3,282,339, 283,340,28 4, 286,287,28 8,322,321, 320,289,29 0,346,195, 291,293,19 3,192,191, 190,127,12 9,128,147, 146,66,145 ,144,143,1 42.	3510	27	94770	9477	9477.04
Gondsa vari Tal: Chandra pur	Nil	Nil	0	0	0	0	0	Nil	63,64,73,6 5,72,70,67, 68,251,252 ,253,260,2 59,258,273 ,272,271,2 70, 264, 281, 282,	1630	27	44010	4.401	4.401
Mahad Wadi Tal: Chandra	Nil	Nil	0	0	0	0	0	Nil	98, 97, 96, 94, 93, 91, 88, 87, 83.	660	27	17820	1.782	1.782
Nagala Tal: Ora pur	Nil	Nil	0	0	0	0	0	Nil	14,25,15,1 6,17,18,11, 10,9,8,5,3, 195,192,19 1,196,186, 175,174,17 3,172,171.	1566	27	42282	4.2282	4.2282
Maral Sawali MA Tal: Chandra pur	713	21	126	27	3402	0.3402	0.3402	PF	0	0	27	0	0	0,33958
Maral Sawali Chak Tal: Chandra		50	47	27	1269	0.1269	0.1269	Govt, Kuran	32,33,34,3 5,36,37,49, 47,48.	690	27	18630	1.863	1.9899
pur Sandala (Rith) Tal:	Nil	Nil	0	0	0	0	0	Nil	13,12,14,1 5,16,174,5 7,56,55,54.	668	27	18036	1.8036	1.8036

		659	636	27	17172	1.7172			0,757,738, 737,734,73 3,728,729, 688,689,69 0,691,692, 696,695,69 9,703,704, 702,705,70 7.					
Chiroli Tal: Mul	Comp No- 720	711	766	27	20682	2.0682	3.9906	PF	82,362,363 ,320,316,3 13,255,254 ,256,253,2 52,251,250 ,206,207,2 12,213,8,9 ,66,41,42,4 4,45,46,77 1,773,772, 758,759,74	4060	27	10962	10.962	14.9526
		706	76	27	2052	0.2052			440,439,41 6,Road,411 ,409,410,4 07,405,381 ,384,383,3					
	Comp No- 692		266	27	7182	0.7182	0.7182	PF	0	0	27	0	0	0.7182
Moda Tukum Tal: Mul	Nil	Nil	0	27	0	0	0	Nil	113, 111, 112, 110, 109, 104, 105, 102, 101, 100, 99, 98, 97, 96, 95, 94, 93, 92, 91, 90, 87.	1006	27	27162	2.7162	2.7162
Sarajkh eda Chak Tal: Chandra pur	Nil	Nil	0	0	0	0	0	Nil	13,12,Railw ay,21,22,34 ,33,32,31,2 7,28, 26,47,48, 49,50.	1216	27	32832	3.2832	3.2832
Kelzar Tal: Chandra pur	Nil	Nil	0	0	0	0	0	Nil	176, 177, 175, 179, 181, 180, 185, 194, 193, 192, 245, 223, 244, 224, 214, 225.	1529	27	41283	4.1283	4.1283
Chandra pur														

Tadala	Nil	112	10	27	270	0.027	0.027	Govt,	115,114,11	480	27	12960	1.296	1.323
Tadala Tukum Tal: Mul		464	10	27	270	0.027	0.135	Govt, Kuran	488,477,49 2,462,461, 440,458,44 1,457,456, 455,454,32 4,444,445, 446,453,45 1,448,449, 447,392,39 1,390,385, 384,381,38 2,	1908	27	51516	5.1516	5.2866
0		38	40	27	1080	0.108			57,62,63,6 1,60,59,69, 37,39,510, 483,481,48 0,486,487,					
Gothan gaon Rith Tal: Mul		321	65	27	1755	0.1755	0.297	Zudap i Jangal	157, 159, 160, 161, 162, 163, 164, 169, 165, 166, 168, 167, 180, 133, 184, 131, 132, 128, 217, 125, 119, 126, 116, 117, 115, 109, 110, 111.	2023	27	54621	5.4621	5.7591
0	263	263 45 2	27	27 1215	0.1215			269, 270, 271, 276, 277, 278, 279, 280, 281, 282, 283, 287, 288, 289, 290, 291, 292, 293, 194, 152, 151, 150,						
Chak Kawadp eth Mal Tal: Mul	Nil	Nil	0	0	0	0	0	Nil	69, 70, 86, 87, 88, 90, 12, 13, 14, 20.	786	27	21222	2.1222	2.1222
Chak Kawadp eth Tal: Mul	Nil	Nil	0	0	0	0	0	Nil	72,71,74,7 6,77,81,94, 95,103,102 ,101,99,10 8,109,110, 131,130,14 5,144,143, 142.	2123	27	57321	5.7321	5.7321

	Total	16311	27	44039 7	44.039 7	44.0397			3225	27	87085 8	87.085 8	131.125 5
Mul Tal: Mul Nil	Nil	0	0	0	0	0	Nil	228,227,23 4,236,248, 250,251,25 2,253,254, 256,259,25 8,274,273, 275,272,27 1,276,277, 191,289, 287, 288,290, 291,295,33 0,329,334, 335, 336,346,34 3,344,345, 348,349,35 1,357,358, 359,350,35 2,529,353, 355,528,35 6,487,484, 485,483,47 6,477,482, 478.	2707	27	73089	7.3089	7.3089
Antarga on Paurwa hi Tal: Mul	Nil	0	0	0	0	0	Kuran	3,108,22,3 6,34,35,43, 42,41,40,3 2,44,45, 223,231,23 2,230,229, 228,244,24 5,248,251, 279,277,27 6,275,274, 273,272,26 8,121,120, 119,118,11 4,	2360	27	63720	6.372	6.372

Place: Chandrapur. Date: //2021.

(K.N. Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur
EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

Certificate No. 006

CERTIFICATE

(by project authority for bearing cost of compensatory afforestation)

Certified that we, Maharashtra State Electricity Transmission Co. Ltd. (M.S.E.T.C.L.), the project authority, is agree to defray the cost of Compensatory Afforestation for the proposal of "construction of 132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line" for. double degraded land.

(K.N.Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur

EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

Certificate No. 007

CERTIFICATE

(by project authority for no-violation of forest act)

This is to certify that, the provisions of Forest (Conservation) Act, 1980 and a guideline under it is no violation in project of Constructing "132KV D/C line from 132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line."

Place: Chandrapur.
Date: //2021.

(K.N. Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur
EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

CERTIFICATE

(by project authority for the Plantation of Dwarf species)

Certified that we, Maharashtra State Electricity Transmission Co. Ltd. (M.S.E.T.C.L.), the project authority, is agree to defray the Plantation of Dwarf species (preferably Medicinal Plants) for the proposal of "construction of 132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line".

Place: Chandrapur. Date: //2021. (K. N. Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur
EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

Certificate No. 17

111

CERTIFICATE

Certified that the project authority agrees to defray the Net Present value of 44.0397 Ha. as fixed by Forest Department proposed for the project for acquisition of Construction of "132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line." As per Hon'ble Supreme Court's Order Dated 28/03/2008 & 09/05/2008 in IA No. 826 in 566 and related IA's regarding the rate as per hector .

(K.N.Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur
EXECUTIVE ENGINEER
E.H.V. Project Division

M.S.E.T.C. Ltd. Chandrapur

Certificate No. 019

CERTIFICATE

(Cost of felling of trees Certificate by Project Authority)

This is to certify that project Authority fully agrees to bear the cost of clearance/ removal of the vegetation growth from the forest land proposed to be released for Non Forest use for the "Construction of 132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line" at Village: Lohara, Valani, Chinchpali, Ajaypur, Ghondsawari, Mahadwadi, Nagala, Maralsawari, Maralsawari Chak, Sandala rith, Kelzar, sarajkheda, Manda Tukum, Chiroli, Chak Kawadpeth, Chak Kawadpeth Mal, Gothangaon rith, TandalaTukum, Tandala rith, Antargaon, Mul, Tal: Chandrapur & Mul, Dist: Chandrapur.

(K.N.Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur
EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

Certificate No. 022

CERTIFICATE

(by project authority about the project laying within/outside Scheduled Tribes Area)

Certified that the project area i.e., proposed 132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line is not within the Scheduled Tribes Area.

(K.N. Bhoyar)
Executive Engineer
EHV Project Division

Chandrapur.

EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

Certificate No. 024

CERTIFICATE

(by project authority regarding non-indemnity to forest department)

I shri. K.N.Bhoyar Executive Engineer, M.S.E.T.C.L., EHV Project Division Chandrapur Tal. Chandrapur & Mul, Dist. Chandrapur here by to undertake to indemnity the Forest Department, Government of Maharashtra in the matter of pending for inquiry u/s 22(A) of the Maharashtra Private Forest (Acquisition) Act 1975 (Act 13 of 1975) pertaining to the land bearing Area 44.0397 Ha. of belonging to Chandrapur Division which stands acquired as reserved forest under the provision of above mentioned Act, in the event of restoration of the above land or part thereof to the owner under the provision of inquiry u/s 22 (A) of the said act, since an area of 44.0397 Ha is proposed for 132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line project. The liability of such an event shall be with us.The undertaking has been given on date / /2021.

Place: Chandrapur. Date: / /2021. (K.N. Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur
EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

(Certificate from the Collector)

UNDERTAKINGOFFRA

It is to certified that, according to Guideline F. No. 11-9/98-FC (pt.) Dated: 5th July, 2013 the Assistant Inspector General of Forests, Government of India, Ministry of Environment and Forests, (FC Division), New Delhi, procedure to acquire the certificate of Annexure-I, FORM-I of newly prescribed form needful for the linear project of proposed 132 KV D/C Mul-SICOM Chandrapur Electric Transmission Line is under process which will be submitted by office of the Collector.

(K.N. Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur
EXECUTIVE ENGINEER

of :

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EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

CERTIFICATE

(When any Projected/Archeological/Heritage site and other important monument is located in the area – Certificate by Archeological Department).

This is Certified that, proposed construction of "132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line" Project is not likely to affect any monument site of cultural, historical, religious, archeological or recreational importance.

(K. N. Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur

E.H.V. Project Division M.S.E.T.C. Ltd. Chandrapur

Certificate No. 023

ted

for

CERTIFICATE

(by project authority whether environmental clearance is necessary)

Certified that, the proposed "132 KV D/C Mul-SICOM Chandrapur Electricity Transmission Line" is not covered in the schedule of activities requiring prior Environment Clearance under EIA Notification, 2006.

(K.N. Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur

EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur

PURPOSE UNDER FOREST CONSERVATION ACT 1980, FOR FOREST LAND INVOLVED TOWARDS CONSTRUCTION OF 132 KV D/C MULSICOM CHANDRAPUR ELECTRICITY TRANSMISSION LINE.

CERTIFICATE

(Certificate of the Conservator of Forest regarding alternative examined for liner Project)

The Alternative No. II & III are having more length/area compared to Alternative- I and these routes are not suitable for construction of line.

The Alternative No.-I is having minimum requirement of forest area and suitable for construction and maintenance of line.

(K. N. Bhoyar)
Executive Engineer
EHV Project Division
Chandrapur

EXECUTIVE ENGINEER
E.H.V. Project Division
M.S.E.T.C. Ltd. Chandrapur