GOVERNMENT OF MEGHALAYA
OFFICE OF THE DIVISIONAL FOREST OFFICER
EAST & NORTH GARO HILLS (T) DIVISION, WILLIAMNAGAR

No.B/19/I/Z/3/ 464 **Dated Williamnagar, the** 30 **March., 2023**

To,

Shri. Bhaskar Singh Rawat, Chief Manager, NBTL
NANGALBIBRA-BONGAIGAON TRANSMISSION LIMITED
2nd Floor, Samriddhi Complex, New Market,
Pancharatna Road, Goalpara, Assam – 783101
praveen.verma@sterlite.com

Sub: Demand Note - FCA proposal for Diversion of 31.588 Ha of Deemed Forest Land for Construction of 400 KV DC Bongaigaon Nangalbibra Transmission Line by Nangalbibra Bongaigaon Transmission Limited.

Ref: MoEFCC Letter No.3-MG C 006/2013-SHI/3480-81 dt 17.03.2023

Sir,

With reference to the FCA Proposal No. FCA Proposal No. FP/ML/TRANS/155408/2022 for Diversion of 31.588 Ha of Deemed Forest Land for Construction of 400 KV DC Bongaigaon Nangalbibra Transmission Line by Nangalbibra Bongaigaon Transmission Limited, it is to enclose herewith the MoEFCC letter under reference granting In-principal / Stage-I Approval for the same subject to the conditions mentioned in the letter under reference and this letter.

In this regard, you are requested to submit the compliance for all the conditions mentioned in the MoEFCC letter under reference and the conditions mentioned in this letter in order to process the final approval of the above-mentioned project.

1. No Breaking of Land/Felling of Trees shall be carried out prior to the final approval or the explicit work order or felling order from the competent authority.
2. The ownership of the deemed forest land measuring 31.588 Ha to be diverted for the proposal does not belong to the State Forest Department, thus the appropriate land acquisition and payment of compensation as per the extant provisions are to be made to the land owners of the deemed forest land prior to felling of trees.
3. As the deemed forest land is not under the control of the State Forest Department, you are requested to carry out felling of trees at the project cost, after the payment of royalty on trees due for Government and under the supervision of the State Forest Department.
4. The user agency shall make deposit of the Cost of Net Present Value, Compensatory Afforestation, Dwarf Plantation, Wildlife Mitigation Measures, Royalty on Trees, Cost of Tree Marking, Piece Marking and the Cost of Boundary Pillars, Approach Road at the CA Land as mentioned in the table below and submit the proof of payment to the office of undersigned, the calculation of the components mentioned below is enclosed as **Annexure- I.**

Component	Amount	Mode of Payment
Net Present Value (NPV)	Rs. 5,04,07,815/-	Through e-portal https://parivesh.nic.in
Compensatory Afforestation (CA)	Rs. 3,19,56,000/-	
Dwarf Plantation	Rs. 72,18,774/-	
Royalty on Trees	Rs. 34,15,976/-	Through Treasury Challan 8782-103 - Forest Remittance – 101-Forest Revenue on Timber
Wildlife Mitigation Measures	Rs. 35,00,000/-	**A/C Name:** DFO, East & West Garo Hills (WL) Division, Tura **A/C No:** 31103591531 **IFSC:** SBIN0000198 **Bank:** SBI, Tura Main Branch
Tree Marking & Piece Marking Cost	Rs. 13,97,872/-	**A/C Name:** DIV FOREST OFF E AND N GH(T) DIV W/NAGAR **A/C No:** 50200053723369 **IFSC:** HDFC0002097 **Bank:** HDFC Bank, Williamnagar
Cost of Construction of Boundary Pillars and Approach Road to CA Land	Rs. 8,75,000/-	

5. The boundary of the deemed forest land proposed for diversion shall be suitably demarcated on ground at the project cost by erecting at least 4-foot-high angle iron post or the cement concrete pillars duly numbered forward and backward bearing and distance from pillar to pillar written on the pillars and DGPS coordinates to be inscribed on the post or pillars, the photographs showing post or pillar with GPS coordinates are to be submitted.
6. The user agency shall submit an undertaking stating that additional amount of NPV and CA of the diverted forest land, if any becoming due after finalization of the same shall be paid.
7. The user agency shall submit the certificate in regard to the compliance of Forest Rights Act, 2006 from the Deputy Commissioner of East Garo Hills and North Garo Hills District or undertaking regarding applicability of the FRA, 2006 in the deemed forest land.
8. The user agency shall submit an undertaking to ensure that any tree felling shall be resorted only at the proposed locations when it is unavoidable and will be felled under the supervision of the staff of the East & North Garo Hills (T) Division. Special care should be taken when felling in valley portion of the RoW to ensure that trees in such depression not interfering with the line should not be cleared except for stringing purpose.
9. The user agency shall submit and undertaking that the Three Layer Protection measures shall be adopted to ensure complete safety and minimum interference with fauna, The measures include but not limited to barbed fencing of tower area, special tower design having soft materials anti climbing guards and anti-climbing canopy which will restrict any arboreal animals from climbing on towers, and the Ground Clearance shall be minimum of 15 meters and to provide bird deflectors which are to be fixed on upper conductor of transmission line at suitable intervals to avoid bird hits and to comply with the guidelines for laying of transmission line through forest areas issued by Ministry vide letter No.7-25/2012-FC dated 05.05.2014 and 19.11.2014.
10. The user agency shall submit a copy of Environmental Clearance obtained under Environment (Protection) Act, 1986 or undertaking regarding applicability of Environmental Clearance for the project.

11. The user agency shall submit an undertaking that no labour camp will be established inside the forest land and sufficient quantity of firewood, preferably an alternate fuel shall be provided by the user agency to the labourers while implementing the project.
12. The user agency shall submit an undertaking that no Stone boulder, Earth, Sand or any Minor minerals or Forest produce will be extracted/transported/utilised from the Forest Land.
13. The user agency shall submit an undertaking that proper drainage and retaining wall will be made for stabilization of the slope, wherever applicable.
14. The user agency shall submit an undertaking that the Forest land will not be used for any other purpose other than specified in the proposal and under no circumstances be transferred to any other agency, department or a person.
15. The user agency shall not make any additional or new path inside the reserve forest for transportation of men and materials and the layout plan of the proposal shall not be changed without the prior approval of the competent authority.
16. The Legal Status of the diverted forest land shall remain unchanged.
17. Violation of any of these conditions will amount to violation of Forest Conservation Act, 1980 and appropriate action would be initiated.
18. The user agency shall submit the compliance report on the above-mentioned points and all the conditions stipulated in the Stage-I approval under reference within 30 days and the same shall be uploaded on e-portal (https://parivesh.nic.in).

This is for your kind information and necessary action.

Encl: As stated above.

Yours faithfully

Divisional Forest Officer,
East & North Garo Hills (T) Division
Williamnagar

Memo No. A/19/I/Z/3/ 185 - 188 **Dated Williamnagar, the** 30 **March., 2023**

Copy To:

1. The Principal Chief Conservator of Forests (Bio-Diversity & Wildlife), & Chief Wildlife Warden, Meghalaya, Shillong for kind information.
2. The Chief Conservator of Forests (T), Meghalaya, Shillong for kind information.
3. The Chief Conservator of Forests (FC Act), Meghalaya, Shillong for kind information and this has reference to your letter no.MFG.22/BNTL/18192 dt 20.03.2022.
4. The Conservator of Forests (WL & T), Garo Hills Circle, Tura for information.

Divisional Forest Officer,
East & North Garo Hills (T) Division
Williamnagar

Memo No.B/19/I/Z/3/ 465 - 466 **Dated Williamnagar, the** 30 **March., 2023**

Copy To:

1. The Divisional Forest Officer, East & West Garo Hills (WL) Division, Tura for kind information and necessary action.
2. The Deputy Conservator of Forests (FC Act), Meghalaya, Shillong for kind information.

Divisional Forest Officer,
East & North Garo Hills (T) Division
Williamnagar

Annexure - I

CALCULATION OF COST OF NPV, CA, DWARF PLANTATION, WIDLIFE MITIGATION MEASURES, ROYALTY, TREE FELLING, TREE MARKING AND PIECE MARKING COST AND CONSTUCTION OF BOUNDARY PILLARS AND APPROACH ROAD AT CA LAND FOR CONSTRUCTION OF 400 KV DC BONGAIGAON NANGALBIBRA TRANSMISSION LINE BY DIVERTING 31.588 HA OF DEEMED FOREST LAND.

Proposal No: FP/ML/TRANS/155408/2022
Name of Project: Construction of 400 KV DC Bongaigaon Nangalbibra Transmission Line
Diverted Area: 31.588 Ha

NET PRESENT VALUE (NPV)

The Forest area being diverted falls under the Eco Class – I – Very Dense Forest, thus as per the MoEFCC File No.5-3/2011-FC(Vol-I) dated 06.01.2022, the rate of NPV is Rs. 15,95,790/- per Ha and the NPV for 31.588 Ha is Rs.15,95,790 x 31.588 Ha = **Rs. 5,04,07,815/-**
(Rupees Five Crore Four Lakh Seven Thousand Eight Hundred and Fifteen only).

COMPENSATORY AFFORESTATION (CA)

As per Chapter 2.3(i) of the Handbook on FCA Guidelines, The Compensatory Afforestation with 10 years of maintenance is to be carried out in 32 Ha of Non-Forest Land located at Koknal A'king handed over by the use agency on 14th February, 2023. The CA is calculated at the rate approved vide GoM letter No.FOR.47/2020/41 dt 23.07.2021 at the rate of 2375 Mandays per Ha and additionally since the CA land is the Non-Forest Land, 2 (Two) Nos of Staff Quarters are proposed to be constructed at the CA Land for permanent station of the Forest staff.

CA Area : 32 Ha
Wage Rate : Rs.381/- (might vary based on the current wage rate)
Mandays : 2375 per Ha

Cost of Plantation & Nursery (32 Ha) (32 x 2375 x 381):	Rs. 2,89,56,000/-
Cost of 2 Nos of Staff Quarters @15 Lakh each:	Rs. 30,00,000/-
Total CA Cost :	Rs. **3,19,56,000/-**

(Rupees Three Crore Nineteen Lakhs Fifty-Six Thousand Only).

DWARF PLANTATION

As per the Part – C , Para - I (9) of the Handbook on FCA Guidelines, the Dwarf plantation the dwarf species shall be planted in the Right of Way of the Transmission Line,

The Cost of Plantation for 31.588 Ha of Dwarf Plantation as per the State Plantation Norms is Rs. 2,28,529/- per Ha.

Total Cost of Dwarf Plantation for 31.588 Ha (31.588H x 2,28,529) = **Rs. 72,18,774/-**
(Rupees Seventy-Two Lakh Eighteen Thousand Seven Hundred and Seventy-Four Only)

WILDLIFE MITIGATION MEASURES

As pe the S.No. 4 of the MoEFCC Letter No.3-MG C 006/2013-SHI/3480-81 dt 17.03.2023 conveying the grant of Stage-I Approval, the cost of Wildlife Mitigation Measures against the forest land diversion is **Rs. 35,00,000/-**.
(Rupees Thirty-Five Lakh Only)

ROYALTY ON TREES

As the 31.588 Ha of Deemed Forest Land proposed to be diverted does not fall under the Reserve Forest or Protected Forests and the ownership of the land does not belong to the State Forest Department and the ownership might vest with the Community or an Individual, the tree felling is to be carried out by the user agency at their own cost under the supervision of the State Forest Department after depositing the Royalty.

Royalty: **Rs. 34,15,976/-** (Summary on Species wise Royalty is enclosed as Annexure -II).
(Rupees Thirty-Four Lakh Fifteen Thousand Nine Hundred Seventy-Six Only)

TREE FELLING, TREE MARKING AND PIECE MARKING COST

As the 31.588 Ha of Deemed Forest Land proposed to be diverted does not fall under the Reserve Forest or Protected Forests and the ownership of the land does not belong to the State Forest Department and the ownership might vest with the Community or an Individual, the tree felling is to be carried out by the user agency at their own cost under the supervision of the State Forest Department after depositing the Royalty.

The Cost for Tree Marking and Piece Marking:

No of Trees:	4744 Nos
No of Bamboo Culms:	46440 Nos
Total Volume:	1771 Cum or 62534.01 Cft
Average Volume:	13.18 Cft per Tree
Average Girth:	0.8 m

As per the Average Volume and Average Girth of the Trees shown above, one team comprising of 1 No of Forester/Forest Guard and 2 No of unskilled casual workers and 1 No of Driver can perform Tree Marking, Piece Marking, Issuance Transit Pass (if applicable) and Supervise the Felling of 20 Nos of Tree or 300 Nos of Bamboo Culms per day. As the

Transmission Line does not pass through the Reserve Forest, the team has to mobilised to the felling spot and the maximum and minimum distance from the felling spot to the Division HQ is 160 Kms and 45 Kms both ways and the Mileage Allowance for the team is calculated at the rate of Rs. 12 per Kms.

Daily Allowance, Wages & Incidental Charges per Team

	Quantity	Per Day	No of Days	DA	Wages	Incidental Charges	Total DA, Wages & IC
Trees	4744	20 Trees	237.2	₹240	₹1296	₹800	₹ 5,54,099
Bamboo Culms	46440	300 Culms	154.8	₹240	₹1296	₹800	₹ 3,61,613

Mileage Allowance

Max No of Days to Perform Journey	Average Kms per Day (Both Ways)	Mileage Allowance (Rs.12/Km)
392 Days	102.5 Kms	₹ 4,82,160

Tree Felling Cost: **NIL** (To be felled by the user agency).
Tree Marking & Piece Marking Cost: **Rs. 13,97,872/-**
(Rupees Thirteen Lakh Ninety-Seven Thousand Eight Hundred and Seventy-Two Only)

COST OF BOUNDARY PILLARS & APPROACH ROAD TO CA LAND

As part of mutation of the CA land and as per the proposal already submitted by the Divisional Forest Officer, which is inclusive of Demarcation of CA land by Construction of Boundary Pillars and Construction of Approach Road to the CA land, and since the CA land is surrounded by the Community/Private Land, it is imperative to erect the boundary pillars at the earliest in order to protect the CA land from encroachments. Thus, the below mentioned components are to be deposited with the Divisional Forest Officer for immediate implementation. The details are as below-

Item of Works	Quantity	Units	Rate	Amount
RCC Boundary Pillars	25	Nos	₹ 15,000	₹ 3,75,000/-
Jeepable Approach Road	250	Rmt	₹ 2,000	₹ 5,00,000/-
Total				**Rs. 8,75,000/-**

(Rupees Eight Lakh Seventy-Five Thousand Only)

Divisional Forest Officer,
East & North Garo Hills (T) Division
Williamnagar

Divisional Forest Officer,
East & North Garo Hills (T) Division
Williamnagar.

Annexure - II

Summary on Royalty of Trees Enumerated for 400KV TL from Bongaigaon to Nangalbibra

S.No.	Species	No of Trees	Volume(in cum)	Royalty
1	Acham	1	0.85	₹ 566.15
2	Agichi	57	23.14	₹ 38,265.61
3	Agmoo	3	0.92	₹ 839.48
4	Akho	2	0.30	₹ 409.43
5	Ambat	1	0.38	₹ 210.00
6	Armu	18	5.31	₹ 5,440.24
7	asai	2	0.56	₹ 315.00
8	bala	2	0.23	₹ 126.00
9	Balchum	2	3.07	₹ 9,423.90
10	Bamboo	19	46440.00	₹ 1,53,252.00
11	Bitkuri	1	0.20	₹ 112.00
12	Bochirang	7	3.30	₹ 8,382.58
13	Bohera	7	1.08	₹ 968.89
14	Bolchiring	3	1.66	₹ 4,908.92
15	Boldak	453	168.11	₹ 4,61,286.17
16	Bolfu	2	4.26	₹ 2,796.00
17	Bolkakharu	5	3.32	₹ 2,124.75
18	Boloong	2	0.91	₹ 1,104.68
19	Boltajong	3	1.33	₹ 1,795.50
20	Boltak	1	0.02	₹ 20.00
21	Bolthojon	16	5.51	₹ 8,098.27
22	Borang	1	0.06	₹ 35.00
23	Borpu	2	2.08	₹ 1,163.40
24	Borsil	127	72.50	₹ 1,22,161.11
25	Chaamlu	1	0.25	₹ 330.75
26	Chaboo	10	1.91	₹ 2,570.66
27	Chagro	1	0.06	₹ 35.00
28	Chagrou	2	0.14	₹ 78.75
29	Chako	25	2.46	₹ 5,422.33
30	Chamboo	28	11.99	₹ 20,459.28
31	Chamisi	25	31.41	₹ 20,846.66
32	Chamisil	3	0.14	₹ 81.25
33	Chamsi	9	0.76	₹ 439.04
34	Chando	1	0.05	₹ 42.66
35	Chiburi	2	0.51	₹ 688.50
36	Chimdu	1	0.12	₹ 68.60
37	Chiruri	6	2.21	₹ 3,823.03
38	Chitumfa	32	9.21	₹ 13,666.00
39	Dambel	2	0.84	₹ 1,137.16
40	Dimbel	3	1.67	₹ 2,980.38
41	Dutkuri	7	0.93	₹ 584.11
42	Fakhram	5	0.66	₹ 370.04
43	Ficus Elastica	1	2.53	₹ 2,303.44
44	Gambal	4	0.71	₹ 1,625.93
45	Gamhar	4	0.39	₹ 1,273.95

46	Jambal	1	1.10	₹	3,406.73
47	Jiya	27	3.53	₹	3,131.72
48	Kambal	2	0.29	₹	666.90
49	Kamchali	37	6.48	₹	9,979.63
50	Kanchan	5	3.35	₹	2,162.81
51	Kathal	1	0.38	₹	1,125.00
52	Khasi	1	0.30	₹	692.55
53	Khilkarn	7	3.43	₹	2,162.30
54	Khirang	3	0.68	₹	456.63
55	Khiring	3	0.70	₹	385.05
56	Khocho	1	0.12	₹	68.60
57	Khozo	1	0.50	₹	280.00
58	Kingang	1	0.30	₹	170.10
59	Kjing	1	0.04	₹	20.00
60	Kmbal	1	0.06	₹	35.00
61	Korai	5	3.28	₹	10,838.98
62	Kowba	1	0.01	₹	7.09
63	kum	2	0.26	₹	144.55
64	Lahan	6	1.02	₹	571.25
65	Mahanche	1	0.25	₹	141.75
66	Makanchi	11	3.01	₹	1,686.56
67	Maknanchi	2	0.27	₹	152.25
68	Mandal	15	4.73	₹	2,810.20
69	Mango	1	0.09	₹	215.53
70	Matmandi	23	2.73	₹	1,546.80
71	Maw	2	0.45	₹	413.48
72	Micong	1	0.20	₹	113.40
73	Migam	4	2.01	₹	1,301.51
74	Migo	1	0.06	₹	35.44
75	Migong	26	8.96	₹	5,480.30
76	Mndal	1	0.51	₹	283.50
77	Mou	17	3.45	₹	3,133.91
78	Mutmidi	1	0.07	₹	37.80
79	Nali	11	3.69	₹	2,324.47
80	nalu	1	0.76	₹	423.50
81	Nimdar	2	0.86	₹	565.79
82	Nomiga	1	0.76	₹	1,020.94
83	Non-Sal	1757	656.36	₹	4,11,055.77
84	Odala	2	0.34	₹	308.97
85	Pakhram	1	0.20	₹	112.00
86	Pubalpu	2	1.53	₹	858.20
87	Raco	1	3.97	₹	2,658.23
88	Radar	1	0.03	₹	20.00
89	Rago	8	0.79	₹	440.48
90	Ragong	7	1.79	₹	2,413.97
91	Raksskngrol	1	0.32	₹	179.20
92	Rango	4	1.17	₹	692.83
93	Rangu	2	0.68	₹	439.59
94	Rukhmi	33	4.59	₹	2,879.58
95	Sabong	8	1.86	₹	1,017.20
96	Sagom	2	3.71	₹	2,442.83
97	Sagro	8	0.91	₹	505.89

98	Saguon	14	4.07	₹	29,080.97
99	Sakcham	3	0.94	₹	525.35
100	Sakho	265	128.72	₹	81,380.59
101	Sal	1073	349.97	₹	14,18,901.78
102	Sam	47	46.44	₹	1,37,214.25
103	Samboo	32	3.82	₹	3,395.24
104	Samfal	2	0.36	₹	201.60
105	Samfi	6	10.37	₹	50,937.84
106	Samfu	3	10.24	₹	52,597.75
107	Samigo	5	0.12	₹	108.35
108	Samsim	5	6.07	₹	4,004.70
109	Samsoja	19	1.44	₹	816.95
110	Sangsam	11	4.34	₹	4,854.75
111	Sansam	10	2.46	₹	2,235.19
112	Sashim	4	0.48	₹	1,675.20
113	Sidal	9	2.55	₹	6,685.45
114	Sikhiring	1	0.55	₹	1,256.85
115	Siola	1	0.45	₹	252.00
116	Siring	1	0.06	₹	35.00
117	Siruri	47	13.17	₹	20,841.90
118	Sisho	46	25.05	₹	1,18,334.20
119	Smsam	2	0.47	₹	309.33
120	Socsan	1	0.20	₹	112.00
121	Sonalu	5	1.23	₹	2,820.83
122	Thadung	1	0.08	₹	44.36
123	thebarat	3	8.04	₹	33,366.69
124	Thebrong	8	4.11	₹	15,671.56
125	Thibek	49	10.27	₹	5,868.27
126	Thibril	1	0.25	₹	137.20
127	Thikrim	1	0.63	₹	1,425.00
128	Thikring	2	0.43	₹	977.55
129	Thimbal	6	1.61	₹	994.30
130	Thinek	1	0.90	₹	504.00
131	Thisu	10	2.13	₹	1,261.43
132	Thivans	1	0.09	₹	51.45
133	Thiwek	1	0.38	₹	211.75
134	Tibek	13	7.03	₹	4,475.38
135	Tibmbul	9	1.13	₹	630.73
136	Tikahrm	11	7.18	₹	20,173.22
137	Timbal	7	2.07	₹	1,159.55
138	Tokime	1	0.16	₹	89.60
139	Uama	16	2.98	₹	1,774.45
140	Ulakaru	2	0.20	₹	112.00
141	Vmak	4	0.99	₹	831.61
142	Walain	1	0.41	₹	226.80
143	Walgru	6	1.37	₹	761.65
				₹	**34,15,976**

No of Trees:	4744 Nos
Bamboo Culms:	46440 Nos

Divisional Forest Officer
East & North Garo Hills (T) Division
Williamnagar

Divisional Forest Officer,
East & North Garo Hills (T) Division
Williamnagar.