



GOVT. OF ASSAM

OFFICE OF THE CHIEF CONSERVATOR OF FORESTS :: SOUTHERN ASSAM CIRCLE

:: SILCHAR-788001 ::

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Letter No. FGS.18/FV-RF/Pt.,

Date: 07/01/2022

From,

The Chief Conservator of Forests,
Southern Assam Circle, Silchar.

To,

The Divisional Forest Officer,
Karimganj Division, Karimganj.

Sub: - Approval of estimate for 19.0 Hect. Compensatory Afforestation in Patheria Hills Reserved Forest against diversion proposal of 9.2755 Hect. of Forest land in Tilbhum Reserved Forest for laying of 18" Dia underground Gas-Pipeline by Indradhanush Gas Grid Ltd.

Ref: - Your letter No. KJ(T)/Gas Pipeline/IGGL/2021/97-99, dtd. 05-01-2022.

As requested vide your letter under reference the estimate amounting to Rs. 90,46,385/- (Rupees ninety lakh forty six thousand three hundred eighty five) only for 19.0 Hect. Compensatory Afforestation in Patheria Hills Reserved Forest against diversion proposal of 9.2755 Hect. of Forest land in Tilbhum Reserved Forest for laying of 18" Dia underground Gas-Pipeline by Indradhanush Gas Grid Ltd. is hereby technically approved.

The approved copies of said estimate are returned herewith for your needful.

Enclo:- As stated above.

(Jatindra Sarma, IFS)
Chief Conservator of Forests,
Southern Assam Circle, Silchar

Copy to:-

- 1) The Addl. Principal Chief Conservator of Forests (T), Lower Assam Zone for favour of his kind information.
- 2) The Chief Conservator of Forests & Nodal Officer, (F.C. Act.) O/o the PCCF & HoFF, Assam, Aranya Bhawan, Panjabari, Guwahati-37 for his kind information.

Chief Conservator of Forests,
Southern Assam Circle, Silchar

Detailed Estimate for 19.00 hect. Compensatory Afforestation plantation in Patharia Hills Reserve Forest under Patherkandi Range of Karimganj Forest Division, Karimganj against the diversion proposal of 9.2755 hect. of the forest land in Tilbhum Reserved Forest for laying of 18" Dia underground Pipeline by Indradhanush Gas Grid Limited.

| | | |
|--|---|-------|
| Area (ha.) | = | 19.00 |
| Spacing (m x m) | = | 2 x 2 |
| Number of Saplings/ha | = | 2500 |
| Length of Fence (RM) | = | 1945 |
| Wage rate (Rs.) | = | 320* |
| Increase in wage rate for subsequent years by a factor | = | 1.1 |
| Appreciation of material costs by a factor | = | 1.1 |

| Sl. No. | Particulars of Works | Unit | Qty./ Ha. | Total Qty. | Rate/Unit | Amount (Rs.) |
|----------|--|------|-----------|------------|-----------|----------------|
| A | ERECTION OF FENCING | | | | | |
| | (a) Cost of full chain link Goat proof fencing (4' ht with 10 guage 3" dia link) with 3 strand barbed wire (one strand below the chain link and two strand above the chain link) to be fitted on pre-cast RCC pillars of specific specification and size as per details specification attached at 2.5 m apart, including transportation, fitting and fixing for 1945 RM @ Rs. 1016/RM as per | RMs | | 1945 | 1016 | 1976120 |
| | Sub Total | | | | | 1976120 |
| B | INFRASTRUCTURE IN PLANTATION AREA | | | | | |
| | Construction of camp hut with installation of ring/tube well | Nos. | | 1 | 150000 | 150000 |
| | Cost of tools & implements | Nos. | | 1 | 5000 | 5000 |
| | Cost of RCC signboard & gate including fitting & fixing of the same | Nos. | | 1 | 30000 | 30000 |
| | Camp accessories @ Rs. 5000/- per camp | Nos. | | 1 | 5000 | 5000 |
| | Sub Total | | | | | 190000 |
| C | ADVANCE WORK | | | | | |
| | Site selection, surveying, demarcation, jungle cutting, burning etc. 20 DLs/ha. | DLs | 20 | 380 | 320 | 121600 |
| | Preparation and acquisition of polypot saplings in the field nursery for planting 2500 Nos. Seedlings/ha. @ Rs. 8/- per polypot | Nos. | 2500 | 47500 | 8 | 380000 |
| | Preparation of polypot saplings in the field nursery for vacancy filling | | | | | |
| | a) 25% mortality expected during 1st year (to be planted in the field during the 2nd year) i.e. 625 seedlings/ha. @ Rs. 8/- per polypot/stump | Nos. | 625 | 11875 | 8 | 95000 |
| | b) 20% mortality expected during 2nd year (to be planted in the field during the 3rd year) i.e. 500 seedlings/ha @ Rs. 8/- per polypot/stump | Nos. | 500 | 9500 | 8 | 76000 |
| | Sub Total | | | | | 672600 |
| D | CREATION & 1ST YEAR MAINTENANCE | | | | | |
| | Soil working, carriage of stamps, polypot seedling and planting at the plantation site including, dibbling of seeds wherever necessary to complete raising of plantation with all necessary operation @ 40 DLs/ha | DLs | 40 | 760 | 320 | 243200 |
| | 5 weeding, mulching and fire protection works @ 18 DLs/ha/weeding | DLs | 90 | 1710 | 320 | 547200 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 320 | 116800 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 937200 |
| E | 2ND YEAR MAINTENANCE | | | | | |
| | 5 weeding, fire protection works @ 10 DLs/ha/weeding | DLs | 50 | 950 | 352 | 334400 |
| | 25% vacancy filling by 1 year old seedlings from nursery @ 10 DLs/ha | DLs | 10 | 190 | 352 | 66880 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 352 | 128480 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records and other misc work | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 569760 |

| | | | | | | |
|---|---|-----|----|-----|-----|---------------|
| F | 3RD YEAR MAINTENANCE | | | | | |
| | 4 weedings, fire protection works @ 8 DLs/ha/weeding | DLs | 32 | 608 | 387 | 235296 |
| | 20% Vacancy filling by 2 year old seedlings from nursery @ 8 DLs/ha | DLs | 8 | 152 | 387 | 58824 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 387 | 141255 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records etc. | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 475375 |
| G | 4TH YEAR MAINTENANCE | | | | | |
| | 4 weeding, fire protection works @ 8 DLs/ha/weeding | DLs | 32 | 608 | 426 | 259008 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 426 | 155490 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation, upkeepment of records etc. | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 454498 |
| H | 5TH YEAR MAINTENANCE (2025-26) | | | | | |
| | Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha | DLs | 5 | 95 | 469 | 44555 |
| | Maintenance and protection of field nursery and watch and ward for the plantation area (1 DL for 365 days) | DLs | 1 | 365 | 469 | 171185 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc. | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 255740 |
| I | 6TH YEAR MAINTENANCE | | | | | |
| | Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha | DLs | 5 | 95 | 516 | 49020 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc. | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 89020 |
| J | 7TH YEAR MAINTENANCE | | | | | |
| | Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha | DLs | 5 | 95 | 568 | 53960 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc. | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 93960 |
| K | 8TH YEAR MAINTENANCE | | | | | |
| | Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha | DLs | 5 | 95 | 625 | 59375 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc. | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 99375 |
| L | 9TH YEAR MAINTENANCE | | | | | |
| | Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha | DLs | 5 | 95 | 688 | 65360 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc. | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 105360 |

| | | | | | | |
|---|---|-----|---|----|-----|----------------|
| M | 10TH YEAR MAINTENANCE | | | | | |
| | Climber cutting, weeding & other silvicultural works and fire protection works @ 5 DLs/ha | DLs | 5 | 95 | 757 | 71915 |
| | Maintenance of camp hut, implements, upkeepment of plantation signboard, documentation & upkeepment of records etc. | LS | | | | 10000 |
| | Contingency | LS | | | | 30000 |
| | Sub Total | | | | | 111915 |
| | Total | | | | | 6030923 |
| | 50% Overhead Cost | | | | | 3015462 |
| | Grand Total | | | | | 9046385 |

(Rupees Ninety lakh forty six thousand three hundred eighty five) only

* N.B: The wage rate is as per the notification of labour commissioner, Assam

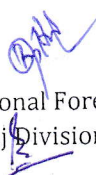
| Particulars of works | Amount (Rs.) |
|---|----------------|
| Erection of fencing | 1976120 |
| Infrastructure in plantation area | 190000 |
| Advance work | 672600 |
| Creation & 1st year maintenance | 937200 |
| 2nd year maintenance | 569760 |
| 3rd year maintenance | 475375 |
| 4th year maintenance | 454498 |
| 5th year maintenance | 255740 |
| 6th year maintenance | 89020 |
| 7th year maintenance | 93960 |
| 8th year maintenance | 99375 |
| 9th year maintenance | 105360 |
| 10th year maintenance | 111915 |
| TOTAL | 6030923 |
| 50 % Overhead Cost | 3015462 |
| Grand Total Rs. | 9046385 |
| Rate per hect. plantation Rs.4,76,125.53 | |

Technically Approved by



Conservator of Forests
Southern Assam Circle, Silchar

Countersigned by



Divisional Forest Officer
Karimganj Division, Karimganj.

Submitted by



Range Forest Officer,
Patherkandi Range, Patherkandi.