

Sub: Proposal for diversion of 10.375 ha of forest land in favour of Essar Oil and Gas Exploration and Production Ltd. For drilling CBM Gas wells, construct approach road & laying pipeline under Burdwan Forest Division of West Bengal -reg.

Ref: Status Report of the Letter No: IRO/KOL/WB/Others/154900/2022/474, dt Nov 23, 2022, by IRO, MOEFCC, Kolkata

| Sl No | Query | Response | Comments of DFO |
|-------|---|---|---|
| i) | Area of the forest land proposed for diversion is revised from 17.6962 ha to 12.5492 ha. Part-I & Part-II in online portal may be corrected accordingly. | Multiple attempts have been made to revise the same. EOGELPL approached concerned MoEF&CC officials at NIC, New Delhi for suitable modifications, but the change could not be done. (communication as enclosed) | User Agency is unable to update revised area in Parivesh Portal. Online communication with MoEF&CC officials at NIC, New Delhi has already been initiated by User Agency in this regard. (Annexure-I) |
| ii) | It is submitted by the concerned CCF that elephants take shelter in the proposed patch of forests at times during their movement and if this patch of greenery is tampered with, Human-Elephant Conflict shall raise beyond control during their occasional visits. Also, the proposal is not a site specific project. The State Forest Department as well as the User Agency may explore the feasibility of shifting the proposal to the nearby non forest degraded forest land to avoid the loss of elephant movement corridor. | CBM Wells location were identified on the basis of proposed CBM reserved after interpretation of subsurface data. EOGELPL has carried out the location identification process since April 2021 and primarily identified around 40 well locations within the Forest area. But after further scrutinizing, EOGELPL applied for 24 well locations. However, after a detailed inspection and site visit of each well location, CCF recommended for only 18 well locations. No elephant corridor present in our proposed project site. Occasionally few elephants stray out from neighboring area of Bankura and there will be no loss of elephant habitat. | User Agency has initially applied for 24 well locations which has been reduced to 18 well locations after the recommendations of CCF, South-East Circle. Comments of the PCCF, Wild life & CWLW, West Bengal are enclosed for your kind reference. (Annexure-II) |
| iii) | Comments of the CWLW in respect to the instant proposal | Comments as officially sought from CWLW enclosed (letter No. 3628/WL/2M-33/15 dated 20.12.2022). | Comments of CWLW are enclosed for your kind reference. (Annexure-II) |
| iv) | A Model CA Scheme per ha has been uploaded in portal. The Site Specific CA scheme over 6.41 and 6.1392 ha non-forest land (proposed) needs to be uploaded in portal | Respective DFOs had initially submitted the Site specific CA scheme with CA cost (per hector basis) for 17.68 ha. They will submitted the revised CA scheme along with revised CA cost for 12.54 ha. | The site specific CA scheme over 6.41 and 6.1392 ha non-forest land (proposed) as submitted by DFO/Bankura (South) & DFO/Bankura (North) is enclosed for your ready reference. (Annexure-III(a) & III(b)) |

| Sl No | Query | Response | Comments of DFO |
|-------|--|---|---|
| v) | Legal status of the proposed CA land needs to be uploaded. | <ul style="list-style-type: none"> EOGEPL had purchased 102.81 acres of land in Bankura solely for the purpose of Compensatory Afforestation.(land vested with the GOWB under land ceiling act. Handover 13.54 Ha (33.45 Acres) out of the total on Feb 6, 2023 (copy possession of Land enclosed) to Forest Department for previous FDP through Inter Department Transfer (ITD) order dated Sep 26, 2022 (copy enclosed) EOGEPL submitted a fresh FDP of 17.69 Ha (reduced to 12.54 Ha as recommended by the CCF). <p>Kindly note that IDT order for 12.54 ha presently under active consideration by L&LR Dept, GoWB as per the Memo No 260-GE (M)/3M-96/12pt-IV dated Jan 19, 2023 (copy enclosed for reference).</p> | <p>Complied. Undertakings have been submitted by the User Agency.</p> <p>(Annexure- IV(a), IV(b) & IV(c)) IV(d) , IV(e)</p> |
| vi) | NOC from the concerned DC/competent authority regarding the use of the proposed land as CA for the project. | Kindly refer our response to Query (v) above. As mentioned above, IDT Order for transfer of land from GOWB to MOEFCC shall be received only after Stage 1 approval by the MOEFCC. | <p>IDT Order for transfer of land from GOWB to MOEFCC shall be received only after Stage 1 approval by the MOEFCC. However, an undertaking has been submitted by the User Agency that NOC from the concerned DC/competent authority shall be uploaded as soon as it's received.</p> <p>(Annexure- IV(a))</p> |
| vii) | Form Google Earth image, some encroachments have been observed in the proposed CA land. CA land suitability certificate from Concerned DFO including comments on the encroachment need to be uploaded. | The respective DFO as already submitted a Site Suitability report of total 17.68 ha. The revised suitability certificated for 12.54 ha will be submitted by DFOs. | <p>Site Suitability report has been submitted by DFO/Bankura (South) & DFO/Bankura (North) is enclosed for your ready reference vide memo no. 3625/28-L.L.C(LT) dt. 01.02.2023 & 335/3A-1 dt. 09.03.2023.</p> <p>(Annexure- V(a), V(b))</p> |

| Sl No | Query | Response | Comments of DFO |
|-------|--|---|---|
| viii) | The State Forest Department recommended the proposal with condition of Soil Moisture Conservation Plan & Wildlife Conservation Plan to be formulated by concerned DFO. Upload such Plans duly approved by the Competent Authority/ CWLW. | The Draft Soil Moisture Conservation Plan and Wild Life Conservation Plan already submitted to concern DFOs for Finalized the same. | Preparation of Soil Moisture Conservation Plan and Wild Life Conservation Plan is under process and shall be submitted shortly to the Competent Authority/ CWLW for his approval and undertaking has been submitted by User Agency to submit the cost of Soil Moisture Conservation Plan and Wild Life Conservation Plan for necessary payment on generation of demand. Grant of In-Principal approval may be considered. (Annexure-VI) |
| ix) | The proposal No.FP/WB/Others/7248/2014 (Raniganj Coal Bed Methane Project) of the same User Agency had been accorded "in-principle" approval on 2.02.2016. After passage of more than 6 years, compliance report of the conditions stipulated in "in-principle" approval are still awaited. Status of the compliance report needs to be submitted. | We invite your attention to our response mentioned in Query (v). EOGEP had applied for transfer of land to the GOWB in 2016 which took some time mainly due to various processes followed by the GOWB including approval by the Cabinet. About 2 years were lost due to Covid lockdowns as well. Now that the IDT has been received in Sep 2022 and land handed over on Feb 6 th 2023 to Forest Department., the compliance will be uploaded at earliest for Final Clearance Stage II. | Compliance has been submitted by User Agency vide memo no. EOGEP/CBM-RG(E)/CA/2023/4477 dt. 16.02.2023. However due to incomplete FRA Certificate the processing of file is pending and compliance report will be submitted as soon as FRA Certificate is submitted by User Agency in correct format. (Annexure-VII) |
| x) | The validity of the Environmental Clearance of the project is expiring on 26.02.2023. However, the forest clearance of the instant proposal had been applied for 25 years. It may be clarified. | The EC of the project is valid till Feb 2023. However, as per the notification dated Jan 18, 2021, issued by MOEFCC (copy enclosed for reference), extension of 1 year has been granted to all projects due to "No work due to COVID Pandemic Situation". The validity therefore stands extended to Feb 2024. Application for suitable extension in the EC, if required, shall be done at an appropriate time. | Complied. Comments of User Agency are enclosed. (Annexure-VIII(a) & VIII(b)) |


 Divisional Forest Officer
 Burdwan Division

EOL/CBM-RG(E)/CA/2022/4381
December 5, 2022



Essar Oil and Gas Exploration and Production Ltd.
ESSAR House - Durgapur
Village & Post Office - Molandighi
Block - Kanksa
Durgapur Sub-Division
Dist.-Paschim Bardhaman
Durgapur - 713212
West Bengal
India

CIN : U11203GJ2016PLC091903

E_eogepl@essarenp.co.in
www.essar.com

To
Shri Charanjeet Singh (FC)
Ministry of Forest, Environment and Climate Change
Indira Parayanran Bhawan
Jor Bagh Road
New Delhi -110003

**Sub: Modification of total area in Parivesh Portal in regards to Forest Diversion Proposal
(Proposal No – FP/WB/Others/154900/2022 of Essar Oil and Gas E&P Ltd)**

Ref:

1. Letter no IRO/KOL/WB/Others/154900/2022/474 dated November 23, 2022, issued by Assistant Inspector General of Forest, MoEF&CC, GOI (Integrated Regional Office)

Sir/Madam,

In reference to the above mentioned subject, kindly find enclosed herewith official communication issued by office of Ministry of Environment and Forest (Integrated Regional Office for West Bengal). Point No 1 may kindly be referred to, wherein IRO Kolkata, MoEF&CC, has instructed to make necessary modifications for change in total area of proposal.

In this regard, kindly note that EOGEP had previously applied for 17.6962 Ha for diversion of Forest Land. But post inspection of Forest area by concerned CCF, the area was reduced and revised to 12.5492 Ha. Though we have been able to modify the "village wise breakup (B-2.3)" and "component wise breakup (B2.4)" of land and area details of Form A Part I through online portal. But have been unable to revise the area of forest land proposed for diversion (A-1 (viii), "Division wise (B-2.1) and District wise (B-2.2) the project.

MoEF&CC (IRO, Kolkata) has observed the same and have accordingly instructed to make necessary modifications. EOGEP had already made multiple attempts and have approached all concerned at MoEF&CC office – NIC Division (New Delhi) but have been unable to effect the changes.

In regards to the above, we would kindly request your good office to take necessary actions to make necessary revised the land details. The correct area of Forest Land is given as Annexure I.

Thanking You,

For, Essar Oil and Gas Exploration & Production Ltd

Sukanta Ray
Sukanta Ray
DGM - Environment



Encl: Annexure I: Correct area of Forest land
Copy to: Additional Principal Chief Conservator of Forest and Nodal Officer - WB Forest Dept.

Annexure I: Correct Area of Forest Land

FORM A – PART – I

A. General Details

(viii). Area of forest land proposed for diversion (in ha) : 12.5492

B. Details of land required for the Project

B-2. Details of forest land proposed to be diverted

B-2.1 Details of Diversion involved

| Details of Divisions involved | | | | |
|-------------------------------|---------------|-------------------|-----------------------|--|
| S. No | Division Name | Forest Land (ha.) | Non-Forest Land (ha.) | |
| 1 | Budwan | 10.3750 | 0 | |
| 2 | Durgapur | 2.1742 | 0 | |
| | Total | 12.5492 | 0 | |

B-2.2 Details of Districts involved

| District wise breakup | | | | |
|-----------------------|-------------------|-------------------|-----------------------|--|
| S. No | Division Name | Forest Land (ha.) | Non-Forest Land (ha.) | |
| 1 | Paschim Bardhaman | 12.5492 | 0 | |
| | Total | 12.5492 | 0 | |





Annexure - II

GOVERNMENT OF WEST BENGAL
DIRECTORATE OF FORESTS

Office of the Principal Chief Conservator of Forests, Wildlife
& Chief Wildlife Warden, West Bengal

Bikash Bhawan, North Block, 3rd Floor, Salt Lake City, Kolkata:: 700 091

Tel.No.033-2334-6900/2358-3208, Fax. 033-2334-5946

Website - www.wildbengal.com e-mail pccfwl-wb@nic.in & wbwildlife@gmail.com

No.3628/WL/2M-33/15

Date : 20.12.2022

To
The Principal Chief Conservator of Forests & HoFF
West Bengal

(Attn. Addl. Principal Chief Conservator of Forests & Nodal Officer, FCA)

Sub : Proposal for diversion of 12.5492 ha of forest land in favour of Essar Oil and Gas Exploration and production Ltd., for laying of pipeline and access road to well site for their CBM Gas Project under Burdwan and Durgapur Forest Divn.

Ref. Your No.8411/L</2M-63/2022 dt. 28.11.22, MoEF& CC, Govt. of India's No. IRO/KOL/WB/Others/154900/2022/474 dt. 23.11.22 and CCF, South-East Circle's No.3097/SEC/2M-10(ESSAR) dt. 20.10.22.

Sir,

The proposal for diversion of 12.5492 ha of forest land under the jurisdiction of Burdwan and Birbhum Divisions in favour Essar Oil & Gas Exploration and Production Ltd. (EOGEPL) has been scrutinized at this end from wildlife usage point of view. The officials of EOGEPL made a presentation on 13th December, 2022 and this was followed by a written submission vide EOGEPL's Memo No.EOGEPL/CBM-RG(E)/MOEF/2022/4394 dt. 15.12.2022 (copy enclosed).

It has been noticed that the area does not fall under any designated elephant corridor; but stray elephants sometimes cross the Damodar river and enter the Paschim Burdwan District. At such stray events, these forest patches serve as temporary refugia of the migratory animals. The area is also abode of a number of endangered species including Schedule-I species like Indian Grey Wolf, Pangolin, Indian Python. Therefore, it is essential that the forest should be disturbed in a minimum possible way.

It has been taken note of the fact that the Chief Conservator of Forests, South-East Circle did an elaborate field exercise and vide his Memo No. No.3097/SEC/2M-10(ESSAR) dt. 20.10.22 reduced the proposed area for diversion from 17.6962 ha to 12.5492 ha by carefully removing important forest patches so that the wildlife is least disturbed as a result of this diversion. The observations made by the Chief Conservator of Forests, South-East Circle, are fully endorsed by this office.

PCCFWL:gg

It is considered opinion of the undersigned that the diversion of 12.5492 ha of forest land may be allowed subject to the following conditions :-

- a) No unnecessary barrier should be erected which can obstruct natural movement of animals in the area.
- b) The adequate and dedicated fire fighting arrangement should be put in place so that any accidental fire in the forests may be put out in a very short time. The facility should be available not only for fire originating from EOGPL's operation but also from other causes.
- c) The gas pipeline should be buried sufficiently deep inside the soil to prevent accidental damage from the movement of heavy animals and the burrowing animals. The ground surface above the pipeline should be so restored so as to make it indistinguishable from surrounding areas.
- d) Gas leakage from the pipeline or well pads should be monitorable online 24x7 from the control room and a facility should be put in place so as to seal the area of leakage remotely on detection.
- e) No waste water generated in the gas gathering stations or in the well pads should spill into adjoining forests. No food material should be kept inside the EOGPL's facility that might attract wild animals.
- f) The EOGPL would be required to finance an Wildlife Conservation Plan that may be drawn up by the Divisional Forest officers at a later date.
- g) The power generators to be used in EOGPL's facilities should be of the most silent kind.
- h) It is understood that the forest land would be reverted to the Forest Department after a period of 25 years.

Yours faithfully,

(DEBAL RAY)

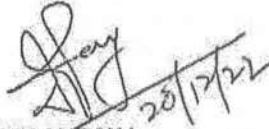
Principal Chief Conservator of Forests, Wildlife &
Chief Wildlife Warden, West Bengal

No.3628(5) /WL/2M-33/15

Date : 20.12.2022

Copy forwarded for information to :-

- (1) The Addl. Chief Secretary, Govt. of West Bengal, Dept. of Forests.
- (2) Shri Ranjan Jindal, Chief Financial Officer, Essar Oil and Gas Exploration and Production Ltd., Essar House-Durgapur, Vill. & P.O. Molandighi, Block-Kanksa, Durgapur Sub-Division, Dist. Paschim Bardhaman, Pin : 713 212. (e.mail : eogepl@essarenp.co.in) .
- (3) The Chief Conservator of Forests, South-East Circle
- (4) The DFOs, Birbhum / Durgapur Divisions.


(DEBAJ RAY)

Principal Chief Conservator of Forests, Wildlife &
Chief Wildlife Warden, West Bengal



**GOVERNMENT OF WEST BENGAL
DIRECTORATE OF FORESTS
OFFICE OF THE DIVISIONAL FOREST OFFICER
BANKURA (SOUTH) DIVISION
PIN - 722101**



Phone No.:- 03242 - 250307, Fax No. :- 03242 - 252371, E-mail Address :- dfobans-wb@nic.in,
dfosouth.bks@gmail.com; Website :- www.bankuraforest.in

No. 3833/2 - WBCAMPA

Dated, Bankura, the 17 / 02 / 2022

From : The Divisional Forest Officer,
Bankura (South) Division.

To : The Divisional Forest Officer,
Burdwan Division,
Pin- 713104

Sub : Rising demand against CA land proposal of ESSAR Oil project.

Ref : Your Office Letter No. 1041/3A-1 dt. 06-09-2022

Sir/ Madam,

With reference to the subject mentioned above, I am sending herewith the detailed estimate for Creation work of High Intensity Wildlife Fodder Tree Plantation and CA Land Protection, undertaken in the following locations in respect of Bankura (South) Division for the diversion proposal No. FP/WB/Others/154900/2022 of Essar Oil & Gas Exploration and Production Ltd. for your kind information.

| Sl. No. | Particulars of Work | Range | Beat | Mouza | Plot No. | Jl. No. | Area (in Ha) |
|---------|--|----------|----------|---------|-------------------|---------|--------------|
| 01 | Creation work of High Intensity Wildlife Fodder Tree Plantation and CA Land Protection | Kamalpur | Kamalpur | Saldiha | 3066, 4587 & 4556 | 225 | 6.41 |

Enclo: - As stated above.

ex
Divisional Forest Officer
Bankura (South) Division

No. 3833/2 - WBCAMPA

Dated, Bankura, the 17 / 02 / 2023

Copy forwarded for kind information and taking necessary action to the Chief Conservator of Forests, Central Circle, West Bengal.

or
Divisional Forest Officer
Bankura (South) Division

Estimate for Creation of High Intensity Wildlife Fodder Tree Plantation (per Ha) 2022-23

| Type of Plantation | | High Intensity Fodder Tree Plantation including Bamboo | | | | | |
|--------------------------|---|--|-----------|-------|-----------|--------------|--|
| No. of Seedlings per Ha. | | 1100 | | | | | |
| Spacing per Ha. | | 3m X 3m | | | | | |
| Pit Size | | 60cm. X 45cm. X 45cm. | | | | | |
| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) | |
| 1 | Survey and demarcation of the plantation site including preparation of Regeneration Map and GPS Survey map | 29 | 1 Ha | 542 | 1 Ha | 542 | |
| 2 | Clearance of undergrowing in thick forest areas, Clear felling, burning, heaping & reburning in moderate density areas of undergrowth and bushes | 27(c) | 1 Ha | 3415 | 1 Ha | 3415 | |
| 3 | Staking and alignment of plantation site, collection of stakes, pitching etc. | 30 | 1 Ha | 1483 | 1 Ha | 1483 | |
| 4 | Pit cutting | 31(b) | 1 Ha | 14228 | 1 Ha | 14228 | |
| 5 | Soil moisture Conservation- Digging of box trench over a length of 500mt of size 5m X 0.45m X 0.45m | 32 | 1 Ha | 9960 | 1 Ha | 9960 | |
| 6 | Sorting and shifting of seedlings per each time | 11(ii) | 1000 Nos | 854 | 1210 Nos. | 1033.34 | |
| 7 | Weeding and Cleaning of Seedlings per each time | 12(ii) | 1000 Nos | 854 | 1210 Nos. | 1033.34 | |
| 8 | Watering of seedlings two times per day | 13(ii) | 10000 Nos | 427 | 1210 Nos. | 51.667 | |
| 9 | Creation of inspection path by removing weeds, scarping and by providing proper drain along the diagonal of the plantation site, of 3mt wide | 42 | 100 mtr | 1423 | 50 mtr. | 711.5 | |
| 10 | Pit filling and application of Farm yard Manure | 33(ii) | 1 Ha | 6260 | 1 Ha. | 6260 | |
| 11 | Transplanting of seedlings into pits including man carriage from the unloading point: | 36(ii) | 1000 Nos | 3699 | 1210 Nos. | 4475.79 | |
| 12 | Application of insecticides and other chemicals whenever necessary | 41 | 1000 Nos | 569 | 1100 Nos. | 625.9 | |
| 13 | Vacancy infilling of pits with new seedling wherever there mortality due to abiotic and biotic factors | 40 | 100 Nos | 427 | 110 Nos. | 469.7 | |
| 14 | 1st Cleaning | 38(a) | 1 Ha | 3984 | 1 Ha. | 3984 | |
| 15 | Mulching | 39(b) | 1000 Nos | 3415 | 1100 Nos. | 3756.5 | |
| 16 | 2nd Cleaning | 38(b) | 1 Ha | 3415 | 1 Ha. | 3415 | |
| 17 | 3rd Cleaning | 38(c) | 1 Ha | 2846 | 1 Ha. | 2846 | |
| 18 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 1138 | 300 mtr. | 3414 | |

| | | | | | | |
|-------|---|-----------|-------------|-------|-----------|---------|
| 19 | Watering of Wildlife Fodder Tree including Bamboo Plantation indry season: Cost for watering during summer months and dry spell every 15days once per time | 48(b) | Ha per time | 630 | 5 times | 3150 |
| 20 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 3415 | 1 Ha. | 3415 |
| 21 | Purchase of 2 years old Fodder Tree species including Bamboo seedlings minimum of height 4ft. | | | 100 | 1210 Nos. | 121000 |
| 22 | Material: a) Farm Yard Manure- ii) Fodder Tree including Bamboo 8m ³ | 50(a)(ii) | 1 Ha | 9200 | 0.6 Ha. | 5520 |
| 23 | Material: c) Chemical Fertilisers | 50(c) | 1 MT | 28750 | 0.08 MT. | 2300 |
| 24 | Material: b) Insecticides, fungicides (1ltr each/ha) | 50(b) | 1 Ha | 690 | 1 Ha. | 690 |
| 25 | Purchase of ingredients for different materilas required for Forestry Operation including carriage upto 5km : k) Organic manure (50gms/ plants) | 3(k) | 1 MT | 23000 | 0.08 MT. | 1840 |
| 26 | Transporation of seedlings from nursery to Plantation site including loading & unloading: d) lead distance>20km & upto 30km: | 34(d) | 1000 Nos | 2118 | 1210 Nos. | 2562.78 |
| 27 | Cost of Signage (one foe each 10Ha or part thereof) | 49 | | | | 300 |
| Total | | | | | | 202483 |
| A | Add GST (12% on A) | | | | | 24298 |
| B | A + B | | | | | 226780 |
| C | Add Cess (1% on Cess) | | | | | 2268 |
| D | Add Contingency (3% on C) | | | | | 6803 |
| E | Grand Total (C+D+E) | | | | | 235852 |
| F | | | | | | |

Prepared By

Checked By

Verified By

Range Officer
Attached Forest Range
Bankura (South) Division

Asst. Div. Forest Officer
Bankura (S) Division


Divisional Forest Officer
Bankura (South) Division

Chief Conservator of Forests
Central Circle, West Bengal

Schedule adopted P.W.D 2017


| Schedule adopted P.W.D 2017 | | | | | | | | | |
|-----------------------------|--|-----|--------------------------|---------|-------|----------|------|----------|-----------|
| | DESCRIPTION OF WORK | No | Length | Breadth | Hight | Qty. | unit | Rate | Amount |
| 1 | Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. According to PWD Schedule, 2017Page-1/lt. no-2(a) | 700 | 0.5 | 0.5 | 0.5 | 87.50000 | %cum | 11927.00 | 10436.13 |
| 2 | Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. According to PWD Schedule, 2017Page-24/lt. no-4 (a)(d) | | | | | | | | |
| | a) (d) With local hard blackstone variety chips (crusher broken) | | Same as total earth work | | | 87.5 | cu.m | 4162.00 | 364175.00 |
| 3 | Supplying 7 ply galvanised strand wire 19 gauge fitted and fixed complete with necessary eyes, hooks and straining bolts (excluding the cost of straining bolts.) According to PWD Schedule, 2017Page-221/lt. no-6 | 7 | 2100 | | | | mtr | 34.00 | 499800.00 |
| 4 | Supplying at site or stackyard or as directed PCC (1 : 2 : 4) Fencing Post 215 cm 150 mm X 150 mm section at bottom, 100 mm X 100 mm section at top with T-Base 300 mm X 150 mm X 100 mm, having 4 nos 6 mm dia vertical M.S. reinforcement and 6 mm diabiners @ 200 mm centres, finished smooth etc., complete. According to PWD Schedule, 2017Page-223/lt. no-15 | 700 | | | | | | 432.00 | 302400.00 |


| | | | | | | | | | | | |
|---|---|------------------------|--|--|--|------|-----|-------|------------|-----------|--|
| 5 | Labour for fitting wove wire or similar fencing net tightening and fixing the same to post with staples at every bar (including the cost of cutting and lapping joints in the net, the cost of staples, binding wire etc. and of labour for fixing such staples as necessary). According to PWD Schedule, 2017Page-221/lt. no-6 | | | | | | | | | | |
| | (b) Net above 1350 mm. height | 2100 | | | | 2100 | mtr | 12.42 | | 26082.00 | |
| | | Total Amount Rs. | | | | | | | 1202893.13 | | |
| | | GST | | | | | | | 18% | 216520.76 | |
| | | Total Amount Rs. | | | | | | | 1419413.89 | | |
| | | Labour Welfare Cess | | | | | | | 1% | 14194.14 | |
| | | Total Amount Rs. | | | | | | | 1433608.03 | | |
| | | Add Contingency Within | | | | | | | 3% | 42582.42 | |
| | | Grand Total Rs. | | | | | | | 1476190.44 | | |
| | | Say Rs. | | | | | | | 1476190.00 | | |
| | Rupees Fourteen Lakh Seventy Six Thousand One Hundred Ninety only. | | | | | | | | | | |

Prepared by

WDT Member
Engineer
(WDC2)-05/2021-22

Checked by

Asst. Div. Forest Officer
Bankura (S) Division

Verified by

Divisional Forest Officer
Bankura (South) Division


Chief Conservator of Forests
Central Circle, West Bengal

**Estimate for Construction of Over Head Tank under Divisional Forest Office,
Bankura South Division**

| Sl No | Description of items. | Quantity | Unit | Rate per Unit (Rs) | Amount (Rs) |
|-------|--|----------|------|--------------------|-------------|
| 1 | Earth work in excavation in foundation trenches in all sorts of soil (including mixed soil but excluding laterial annd sand stone) including removing. Spreading or stacking the spils within a lead of 75 m as directed. The item includes necessary rimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. [Rate from PWD SW schdule 2017 Page no-1 Item -2(a)] | | | | |
| | Column base 1 X 3.00 X 3.00 X 1.50 = 13.500 Cum | | | | |
| | Tie beam 12.000 X 0.375 X 0.375 = 1.690 Cum | | | | |
| | Total = 15.190 Cum | 15.190 | %Cum | 11927.00 | 1811.71 |
| 2 | Single layer brick flat soiling with picked jhama bricks in fdn. and plinth including filling up the joints by sand or loose earth [Rate from PWD SW schdule 2017 Page no-14 Item -1 ; 3rd Corri Page no-1, Sl. No-1] | | | | |
| | Col Fdn. 1 X 2.50 X 2.50 = 6.250 Sqm | | | | |
| | Tie beam at GL 1.00 X 10.00 X 0.25 = 2.500 Sqm | | | | |
| | Total = 8.750 Sqm | 8.750 | Sqm | 294.00 | 2572.50 |
| 3 | Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, if any, in ground floor as per relevant IS codes. (d) With local hard blackstone variety chips (crusher broken) [Rate from PWD SW schdule 2017 Page no-24 Item - 4(d); 3rd Corri Page no-10, Sl. No-27] | | | | |
| | Foundation 1 X 3.00 X 3.00 X 0.10 = 0.900 Cum | | | | |
| | Plinth 1 X 3.00 X 3.00 X 0.10 = 0.900 Cum | | | | |
| | Total = 1.800 Cum | 1.800 | Cum | 4218.00 | 7592.40 |
| | (A) Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) (a) With earth obtained from excavation of foundation. [Rate from PWD SW schdule 2017 Page no-1 Item -3(a)] | | | | |
| | 1/3 of cutting 0.33 X 15.19 = 5.013 Cum | | | | |
| | Total = 5.013 Cum | 5.013 | %Cum | 7754.00 | 388.68 |
| 4 | B) Filling in foundation or plinth by fine sand in layers not exceeding 1 50 mm as directed and consolidating the same by thorough saturation with water ramming complete including the cost of supply of sand, (payment to be made on measurement of finished quantity). [Rate from PWD SW schdule 2017 Page No.2 Item -4 (A)] | | | | |
| | Foundation 1 X 3.00 X 3.00 X 1.40 = 12.600 Cum | | | | |
| | Below tie beam 12.00 X 0.250 X 0.10 = 0.300 Cum | | | | |
| | base 1 X 3.00 X 3.00 X 0.20 = 1.800 Cum | | | | |
| | Plinth 1 X 3.00 X 3.00 X 0.15 = 1.350 Cum | | | | |
| | Total = 16.050 Cum | 16.050 | %Cum | 48741.00 | 7822.93 |
| | Total Rs. | | | | 20188.23 |

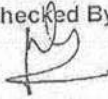
| Sl No | Description of items. | Quantity | Unit | Rate per Unit(Rs) | Amount (Rs) |
|-------|---|----------|-------|---------------------|---------------|
| | | | | B/F | 20188.23 |
| | (B) SUPERSTRUCTURE[Rate from PWD SW schedule 2017 Page no-15 Item -8(b) ; 3rd Corri Page no-1, Sl. No-4] | | | | |
| 5 | Parapet $12.00 \times 0.25 \times 0.90 = 2.700 \text{ Cum}$ $= 2.700 \text{ Cum}$ | 2.700 | Cum | 4728.00 | 12765.60 |
| 6 | Hire & labour charges for wooden shuttering including fitting fixing & striking out after completion of work 25 mm. Th. Shuttering. [Rate from PWD SW schedule 2017 Page - 42; Item No. - 36(a)] Column base- $4 \times (1.5 \times 4.00) \times 0.30 = 7.200 \text{ Sqm}$ Tie Beam at GL $1 \times 2 \times 12.00 \times 0.375 = 9.000 \text{ Sqm}$ Tie Beam Bottom $1 \times 12 \times 0.375 = 4.500 \text{ Sqm}$ Wall Beam $1 \times 2 \times 12.00 \times 0.30 = 7.200 \text{ Sqm}$ Roof Slab $1 \times 3.000 \times 3.000 = 9.000 \text{ Sqm}$ Total = 36.900 Sqm | 36.900 | Sqm | 321.00 | 11844.90 |
| 7 | Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. A) Ground floor [Rate PWD SW schedule 2017 Page-26 Item -10(iv) ; 3rd Corri Page no-13, Sl. No-33] A) Ground floor Column base- $4 \times 1.50 \times 1.50 \times 0.20 = 1.800 \text{ Cum.}$ $4 \times ((1.5 \times 1.5) + (.250 \times .250) + (.250 \times .250 \times (1.5 \times 1.5) / 3)) = 0.980 \text{ Cum.}$ Column $4 \times 0.375 \times 0.375 \times 4.50 = 2.530 \text{ Cum.}$ Above 4.5 m column $4 \times 0.375 \times 0.375 \times 0.90 = 0.510 \text{ Cum.}$ Tie Beam at GL $2 \times 12.00 \times 0.375 \times 0.375 = 3.380 \text{ Cum.}$ Wall beam $1 \times 12.00 \times 0.375 \times 0.30 = 1.350 \text{ Cum.}$ Roof Slab $3.000 \times 3.000 \times 0.15 = 1.350 \text{ Cum.}$ Total = 11.900 Cum. | 11.900 | Cum | 4888.00 | 58167.20 |
| 8 | M.S. Re-inforcement for R.C. lintel , roof , beam etc.including bending ,placing binding with black anealed wire etc complete as per direction of Engg in charge. II. JSW/JSPL/SHYAM/ SRMB/BMASL/ELECROSTEEL/SSL or III. OTHER MANUFACTURERS NOT SPECIFIED [Rate from PWD SW schedule 2017 Page - 43; Item No. - 40(a)(i)(II); 10th corrigenda Sl.no-1,P-1] Column base $1.800 \text{ Cum} \times 1.2\% = 0.0216 \text{ Cum.}$ Column $3.040 \text{ Cum} \times 1.0\% = 0.0304 \text{ Cum.}$ Tie beam GL $3.380 \text{ Cum} \times 1.8\% = 0.0608 \text{ Cum.}$ Wall beam $1 \times 1.350 \text{ Cum} \times 1.8\% = 0.0243 \text{ Cum.}$ Slab $1 \times 1.350 \text{ Cum} \times 1.00\% = 0.0135 \text{ Cum.}$ Total = 0.1506 Cum $@ 7.85 \text{ MT per Cum} = 1.182 \text{ MT}$ | 1.1822 | M.T. | 60003.00 | 70935.55 |
| | | | Total | | 173901.48 |

| Sl No | Description of items. | Quantity | Unit | Rate per Unit (R) | Amount (Rs) |
|-------|--|----------|--------|-------------------|---------------|
| | | | B/F | | 180652.66 |
| 9 | 15 mm. Th. Sand cement plaster (6:1) to outside walls [Rate from PWD SW schdule 2017 Page No.-189 Item -1(ii)(a) ; 3rd Corri Page no-50, Sl. No-1] | | | | |
| | Ceiling 2 X 2.500 X 2.50 = 12.500 Sqm | | | | |
| | Beam 2 X 10.000 X 1.25 = 25.000 Sqm | | | | |
| | Column 4 X 1.000 X 7.00 = 28.000 Sqm | | | | |
| | Parapet 2 X 10.00 X 0.60 = 12.000 Cum | | | | |
| | stair case slab 4 x 2.70 x 1.05 = 11.340 Sqm | | | | |
| | mid landing 4 x 2.70 x 1.50 = 16.200 Sqm | | | | |
| | Trade & Riser 20 x 1.05 x 0.15 = 3.150 Sqm | | | | |
| | cantiver beam 4 x 2 x 1.05 x 0.375 = 3.150 Sqm | | | | |
| | Total = 111.340 Sqm | 111.340 | Sqm | 135.00 | 15030.90 |
| 10 | Net cement to plinth , dado etc. [Rate from PWD SW schdule 2017 Page no-192 Item no-15] | | | | |
| | column 4 X 1.00 X 0.75 = 3.000 Sqm | | | | |
| | plinth 2.50 X 2.50 = 6.250 Sqm | | | | |
| | Trade & Riser 20 x 1.05 x 0.15 = 3.150 Sqm | | | | |
| | Total = 12.400 Sqm | 12.400 | Sqm | 34.00 | 421.60 |
| 11 | Applying decorative cement based paint of approved quality after preparing the surface including scraping the same thoroughly (plastered or concrete surface) as per manufacturer's specification. (Two coats.) [Rate from PWD SW schdule 2017 Page No. 197 Item -15] | | | | |
| | From item no = 111.340 Sqm | 111.340 | Sqm | 49.00 | 5455.66 |
| | | | Total | | 201560.82 |
| 12 | Display board over wall with scheme photo | 1.00 | L.S | 1500.00 | 1500.00 |
| | | | Total= | | Rs. 203060.82 |
| | Total cost of Building Works = (A) | | | | Rs. 203061.00 |
| | Add GST @ 18% on (A)= (B) | | | | Rs. 36550.98 |
| | Total cost of Building Works including GST = (A)+(B)=(C) | | | | Rs. 239611.98 |
| | Add Labour welfare cess @ 1% on (C) = (D) | | | | Rs. 2396.12 |
| | Total cost of Building Works including GST & Cess = (C)+(D)=(E) | | | | Rs. 242008.00 |
| | Add Contingency Charge @ 3% on (C) = (F) | | | | Rs. 7188.36 |
| | TOTAL COST =(E)+(F)=(G) | | | | Rs. 249196.00 |

(RUPEES- TWO LAKH FOURTY NINE THOUSAND ONE HUNDRED NINETY SIX) ONLY.

Prepared BY

Range Officer
Attached Forest Range
Bankura (South) Division

Checked By

Asst. Div. Forest Officer
Bankura (S) Division

Verified By

Divisional Forest Officer
Bankura (South) Division


Chief Conservator of Forests
Central Circle, West Bengal

DIGGING OF BOURWELL WITH ELECTRIC PUMP

| Sl No | Description of items. | Quantity | Unit | Rate per Unit (Rs) | Amount (Rs) |
|--|--|----------|------|--------------------|-------------|
| 1 | Labour for boring through any type of soil for sinking tube well of required dia with top enlargement by rig boring system (either by reserve circulation or by direct rotary method) including hire charges and labour for rig machine, tools & plants, staging, force pumping set and making arrangement for water required for boring etc. complete and lowering of pipes, strainers, blind pipes etc. complete. [PWD GST Act, 2017 SOR vol-II w. e. f. 01.11.2017, P-50 I-2(b)] (b) For depth upto 250 metre for 150 mm dia. Tube well with top enlargement of 250 mm dia. (upto 50 metre). | | | | |
| | i) First 50 mtr | 50 | Mtr | 1066.00 | 53300.00 |
| | ii) Next 50 mtr | 50 | Mtr | 1049.00 | 52450.00 |
| | ii) Next 50 mtr | 70 | Mtr | 1247.00 | 87290.00 |
| 2 | Supplying fitting fixing P.V.C rigid pipe (H) Conforming to A.S.T.M.D - 1785 and threaded to match with G.I pipe as per IS:1239(Part - I) [PWD GST Act, 2017 SOR vol-II w. e. f. 01.11.2017, P-14 I-19(iii)] | | | | |
| | ii) 200 mm dia (H) | 25.00 | Mtr | 2134.00 | 53350.00 |
| 3 | Supplying, fitting and fixing PVC pipes for underground work of approved make (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted including cost of all materials, jointing materials, cutting pipes, making threads, cutting trenches upto 1.5 metre below surface in all sorts of soil and refilling the same as directed complete in all respect. (Payment will be made on the centre line measurement of the total pipe line including all specials No separate payment will be made for accessories, specials [PWD GST Act, 2017 SOR vol-II w. e. f. 01.11.2017, P-14 I-19(iii)] | | | | |
| | PVC pipe dia 40mm | 80.00 | Mtr | 207.00 | 16560.00 |
| 4 | Supplying fitting fixing of submersible pump 2.0 HP (C.G.) 23 stage | 1 | Set | 23600.00 | 23600.00 |
| 5 | Supplying fitting fixing electric cables (2.5 mm. 3 core flat) core double (PHENOLEX) | 80.00 | Mtr | 85.00 | 6800.00 |
| 6 | Supplying fitting fixing complete with control Panel box | 1 | Set | 3600.00 | 3600.00 |
| 7 | Supplying fitting fixing bore with top cap of casing. | 1 | Set | 1200.00 | 1200.00 |
| 8 | Washing and developing boring with air compressor pump and engine for 8 hours continuous pumping per day with necessary arrangements for testing the yield in gollons per hr. with 'V' notch including hire and labour charges for all tools and plants scaffolding as required complete in all respects [PWD GST Act, 2017 SOR vol-II w. e. f. 01.11.2017, P-55 I-20] | 2 | Days | 7538.00 | 15076.00 |
| 9 | Supplying fitting fixing gunmetal wheel valve of approved brand and make tested to 21 kg / Sq cm (for water line only) [PWD GST Act, 2017 SOR vol-II w. e. f. 01.11.2017, P-5 I-5(v)] | 2 | Nos | 1590.00 | 3180.00 |
| 10 | Supplying fitting fixing of notching wire for hanging of pump | 160.00 | Mtr | 54.00 | 8640.00 |
| Total Rs. | | | | | 325046.00 |
| 12 | Add Electrification Charge 6% | | | | 19502.76 |
| Total Rs | | | | | 344548.76 |
| GST (CGST+SGST) 18% | | | | | 62018.78 |
| Total Rs. | | | | | 406567.54 |
| Add Labour Cess @ 1% | | | | | 4065.68 |
| Total Rs. | | | | | 410633.21 |
| Add Contingency within @ 3% | | | | | 12197.03 |
| Grand Total Rs. | | | | | 422830.24 |
| Say Rs. | | | | | 422830.00 |
| (Rupees four lakh twenty two thousand eight hundred thirty only) | | | | | |

Prepared By
Range Officer
Attached Forest Range
Bankura (South) Division

Check By
Asst. Div. Forest Officer
Bankura (S) Division

Verified By
Divisional Forest Officer
Bankura (South) Division
Chief Conservator of Forests,
Central Circle, West Bengal.

**Estimate for Supply of 3inch dia Delivery Pipe under Divisional Forest
Office, Bankura (South) Division**


| Sl. No | Details Specification of Item | Quantity | Rate (Incl. all taxes) | Amount (Rs.) |
|--------------|--|----------|---------------------------|--------------|
| 1. | Delivery Pipe- 3 inch dia (75 mm) LLDPE lay flat single layer, 90 mtr. each roll | 05 Nos. | 2,820/- | 14,100/- |
| Total | | | | 14,100/- |

Rupees Fourteen Thousand One Hundred Only


Prepared By
Range Officer
Attached Forest Range
Bankura (South) Division


Checked By
Asst. Div. Forest Officer
Bankura (S) Division


Verified By
Divisional Forest Officer
Bankura (South) Division


**Chief Conservator of Forests,
Central Circle, West Bengal**

Estimate for 10 Yr. Maintenance of High Intensity Wildlife Fodder Tree Plantation (per Ha) Bankura (South) Divn.

| Type of Plantation | | High Intensity Fodder Tree Plantation including Bamboo | | | | |
|-----------------------------|---|--|-------------|-------|-----------|-----------------|
| No. of Seedlings per Ha. | | 1100 | | | | |
| Spacing per Ha. | | 3m X 3m | | | | |
| Pit Size | | 60cm. X 45cm. X 45cm. | | | | |
| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
| 1st Year Maintenance | | | | | | |
| 1 | Vacancy infilling of pits with new seedling wherever there is mortality due to abiotic and biotic factors | 40 | 100 Nos | 427 | 110 Nos. | 469.70 |
| 2 | 1st Cleaning | 38(a) | 1 Ha | 3984 | 1 Ha. | 3984.00 |
| 3 | Mulching | 39(a) | 1000 Nos | 3984 | 1100 Nos. | 4382.40 |
| 4 | 2nd Cleaning | 38(b) | 1 Ha | 3415 | 1 Ha. | 3415.00 |
| 5 | Mulching | 39(b) | 1000 Nos | 3415 | 1100 Nos. | 3756.50 |
| 6 | 3rd Cleaning | 38(c) | 1 Ha | 2846 | 1 Ha. | 2846.00 |
| 7 | Mulching | 39(b) | 1000 Nos | 3415 | 1100 Nos. | 3756.50 |
| 8 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 1138 | 300 mtr. | 3414.00 |
| 9 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 3415 | 1 Ha. | 3415.00 |
| 10 | Application of fertilizer and insecticide etc. including carriage including carriage | 41 | 1000 Nos | 569 | 1100 Nos. | 625.90 |
| 11 | Watering of Sal Plantation indry season: Cost for watering during summer months and dry spell every 15days once per time | 48(b) | Ha per time | 630 | 10 times | 6300.00 |
| 12 | Purchase of 2 years old Fodder Tree species including Bamboo seedlings minimum of height 4ft. | | | 100 | 110 Nos. | 11000.00 |
| 13 | Material: c) Chemical Fertilisers | 50(c) | 1 MT | 28750 | 0.16 MT. | 4600.00 |
| 14 | Material: b) Insecticides, fungicides (1ltr each/ha) | 50(b) | 1 Ha | 690 | 1 Ha. | 690.00 |
| 15 | Reparing of Barbed wire fencing | | | | | 12000.00 |
| Total | | | | | | 64655.00 |
| A | Add GST (12% on A) | | | | | 7759.00 |
| B | A + B | | | | | 72414.00 |
| C | Add Cess (1% on Cess) | | | | | 724.00 |
| D | Add Contingency (3% on C) | | | | | 2172.00 |
| E | Add Contingency (3% on C) | | | | | 2172.00 |
| F | Grand Total (C+D+E) | | | | | 75310.00 |

Prepared By  Range Officer
 Attached Forest Range Bankura (South) Division

Checked By  Asst. Div. Forest Officer
 Bankura (S) Division

Verified By  Divisional Forest Officer
 Bankura (South) Division

 Chief Conservator of Forests
 Central Circle, West Bengal

| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|-----------------------------|--|----------|-------------|-------|-----------|-----------------|
| 2nd Year Maintenance | | | | | | |
| 1 | Vacancy infilling of pits with new seedling wherever there is mortality due to abiotic and biotic factors | 40 | 100 Nos | 470 | 110 Nos. | 517.00 |
| 2 | 1st Cleaning | 38(a) | 1 Ha | 4382 | 1 Ha. | 4382.00 |
| 3 | Mulching | 39(a) | 1000 Nos | 4382 | 1100 Nos. | 4820.20 |
| 4 | 2nd Cleaning | 38(b) | 1 Ha | 3757 | 1 Ha. | 3757.00 |
| 5 | Mulching | 39(b) | 1000 Nos | 3757 | 1100 Nos. | 4132.70 |
| 6 | 3rd Cleaning | 38(c) | 1 Ha | 3131 | 1 Ha. | 3131.00 |
| 7 | Mulching | 39(b) | 1000 Nos | 3757 | 1100 Nos. | 4132.70 |
| 8 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scaroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 1252 | 300 mtr. | 3756.00 |
| 9 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 3757 | 1 Ha. | 3757.00 |
| 10 | Application of fertilizer and insecticide etc. including carriage including carriage | 41 | 1000 Nos | 626 | 1100 Nos. | 688.60 |
| 11 | Watering of Sal Plantation indry season: Cost for watering during summer months and dry spell every 15days once per time | 48(b) | Ha per time | 693 | 10 times | 6930.00 |
| 12 | Purchase of 2 years old Fodder Tree species including Bamboo seedlings minimum of height 4ft. | | | 110 | 70 Nos. | 7700.00 |
| 13 | Material: c) Chemical Fertilisers | 50(c) | 1 MT | 31625 | 0.16 MT. | 5060.00 |
| 14 | Material: b) Insecticides, fungicides (1ltr each/ha) | 50(b) | 1 Ha | 759 | 1 Ha. | 759.00 |
| 15 | Reparing of Barbed wire fencing | | | | | 17000.00 |
| A | Total | | | | | 70523.00 |
| B | Add GST (12% on A) | | | | | 8463.00 |
| C | A + B | | | | | 78986.00 |
| D | Add Cess (1% on Cess) | | | | | 790.00 |
| E | Add Contingency (3% on C) | | | | | 2370.00 |
| F | Grand Total (C+D+E) | | | | | 82146.00 |

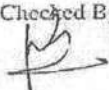
Prepared By

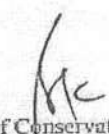
Checked By

Verified By


 Range Officer

 Attached Forest Range
 Bankura (South) Division


 Asst. Div. Forest Officer
 Bankura (S) Division


 Divisional Forest Officer
 Bankura (South) Division
 Chief Conservator of Forests
 Central Circle, West Bengal

| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|-----------------------------|---|----------|-------------|-------|-----------|--------------|
| 3rd Year Maintenance | | | | | | |
| 1 | Vacancy infilling of pits with new seedling wherever there is mortality due to abiotic and biotic factors | 40 | 100 Nos | 517 | 110 Nos. | 568.70 |
| 2 | 1st Cleaning | 38(a) | 1 Ha | 4820 | 1 Ha. | 4820.00 |
| 3 | Mulching | 39(a) | 1000 Nos | 4820 | 1100 Nos. | 5302.00 |
| 4 | 2nd Cleaning | 38(b) | 1 Ha | 4133 | 1 Ha. | 4133.00 |
| 5 | Mulching | 39(b) | 1000 Nos | 4133 | 1100 Nos. | 4546.30 |
| 6 | 3rd Cleaning | 38(c) | 1 Ha | 3444 | 1 Ha. | 3444.00 |
| 7 | Mulching | 39(b) | 1000 Nos | 4133 | 1100 Nos. | 4546.30 |
| 8 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 1377 | 300 mtr. | 4131.00 |
| 9 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 4133 | 1 Ha. | 4133.00 |
| 10 | Application of fertilizer and insecticide etc. including carriage including carriage | 41 | 1000 Nos | 689 | 1100 Nos. | 757.90 |
| 11 | Watering of Sal Plantation indry season: Cost for watering during summer months and dry spell every 15days once per time | 48(b) | Ha per time | 762 | 10 times | 7620.00 |
| 12 | Purchase of 2 years old Fodder Tree species including Bamboo seedlings minimum of height 4ft. | | | 121 | 50 Nos. | 6050.00 |
| 13 | Material: c) Chemical Fertilisers | 50(c) | 1 MT | 34788 | 0.16 MT. | 5566.08 |
| 14 | Material: b) Insecticides, fungicides (1ltr each/ha) | 50(b) | 1 Ha | 835 | 1 Ha. | 835.00 |
| 15 | Reparing of Barbed wire fencing | | | | | 20000.00 |
| A | Total | | | | | 76453.00 |
| B | Add GST (12% on A) | | | | | 9174.00 |
| C | A + B | | | | | 85627.00 |
| D | Add Cess (1% on Cess) | | | | | 856.00 |
| E | Add Contingency (3% on C) | | | | | 2569.00 |
| F | Grand Total (C+D+E) | | | | | 89052.00 |

Prepared By  Range Officer
 Attached Forest Range Bankura (South) Division

Checked By  Asst. Div. Forest Officer
 Bankura (S) Division

Verified By  Divisional Forest Officer
 Bankura (South) Division

 Chief Conservator of Forests
 Central Circle, West Bengal

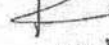
| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|----------------------|---|----------|---------|------|----------|--------------|
| 4th Year Maintenance | | | | | | |
| 1 | 1st Cleaning | 38(a) | 1 Ha | 5302 | 1 Ha. | 5302.00 |
| 2 | 2nd Cleaning | 38(b) | 1 Ha | 4546 | 1 Ha. | 4546.00 |
| 3 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 1515 | 300 mtr. | 4545.00 |
| 4 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 4546 | 1 Ha. | 4546.00 |
| 5 | Reparing of Barbed wire fencing | | | | | 20000.00 |
| A | Total | | | | | 38939.00 |
| B | Add GST (12% on A) | | | | | 4673.00 |
| C | A + B | | | | | 43612.00 |
| D | Add Cess (1% on Cess) | | | | | 436.00 |
| E | Add Contingency (3% on C) | | | | | 1308.00 |
| F | Grand Total (C+D+E) | | | | | 45356.00 |


Prepared By

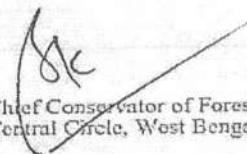
Checked By

Verified By


Range Officer
Attached Forest Range
Bankura (South) Division


Asst. Div. Forest Officer
Bankura (S) Division

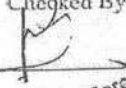

Divisional Forest Officer
Bankura (South) Division



Chief Conservator of Forests
Central Circle, West Bengal


| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|----------------------|---|----------|---------|------|----------|--------------|
| 5th Year Maintenance | | | | | | |
| 1 | 1st Cleaning | 38(a) | 1 Ha | 5832 | 1 Ha. | 5832.00 |
| 2 | 2nd Cleaning | 38(b) | 1 Ha | 5001 | 1 Ha. | 5001.00 |
| 3 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 1667 | 300 mtr. | 5001.00 |
| 4 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 5001 | 1 Ha. | 5001.00 |
| 5 | Reparing of Barbed wire fencing | | | | | 20000.00 |
| A | Total | | | | | 40835.00 |
| B | Add GST (12% on A) | | | | | 4900.00 |
| C | A + B | | | | | 45735.00 |
| D | Add Cess (1% on Cess) | | | | | 457.00 |
| E | Add Contingency (3% on C) | | | | | 1372.00 |
| F | Grand Total (C+D+E) | | | | | 47564.00 |

Prepared By


 Range Officer
 Attached Forest Range
 Bankura (South) Division


Checked By

 Asst. Div. Forest Officer
 Bankura (S) Division


Verified By

 Divisional Forest Officer
 Bankura (South) Division



 Chief Conservator of Forests
 Central Circle, West Bengal

| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|----------------------|--|----------|---------|------|----------|--------------|
| 6th Year Maintenance | | | | | | |
| 1 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scaroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 1834 | 300 mtr. | 5502.00 |
| 2 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 5501 | 1 Ha. | 5501.00 |
| 3 | Reparing of Barbed wire fencing | | | | | 20000.00 |
| A | Total | | | | | 31003.00 |
| B | Add GST (12% on A) | | | | | 3720.00 |
| C | A + B | | | | | 34723.00 |
| D | Add Cess (1% on Cess) | | | | | 347.00 |
| E | Add Contingency (3% on C) | | | | | 1042.00 |
| F | Grand Total (C+D+E) | | | | | 36112.00 |

Prepared By 
 Range Officer
 Attached Forest Range
 Bankura (South) Division

Checked By 
 Asst. Div. Forest Officer
 Bankura (S) Division

Verified By 
 Divisional Forest Officer
 Bankura (South) Division


 Chief Conservator of Forests
 Central Circle, West Bengal

| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|-----------------------------|---|----------|---------|------|----------|-----------------|
| 7th Year Maintenance | | | | | | |
| 1 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 2017 | 300 mtr. | 6051.00 |
| 2 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 6051 | 1 Ha. | 6051.00 |
| 3 | Reparing of Barbed wire fencing | | | | | 20000.00 |
| A | Total | | | | | 32102.00 |
| B | Add GST (12% on A) | | | | | 3852.00 |
| C | A + B | | | | | 35954.00 |
| D | Add Cess (1% on Cess) | | | | | 360.00 |
| E | Add Contingency (3% on C) | | | | | 1079.00 |
| F | Grand Total (C+D+E) | | | | | 37393.00 |


Prepared By 
 Range Officer
 Attached Forest Range
 Bankura (South) Division


Checked By 
 Asst. Div. Forest Officer
 Bankura (S) Division


Verified By 
 Divisional Forest Officer
 Bankura (South) Division

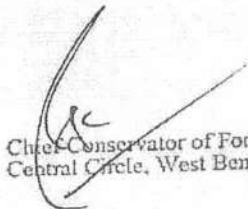

 Chief Conservator of Forests
 Central Circle, West Bengal

| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|-----------------------------|---|----------|---------|------|----------|-----------------|
| 8th Year Maintenance | | | | | | |
| 1 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 2219 | 300 mtr. | 6657.00 |
| 2 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 6656 | 1 Ha. | 6656.00 |
| 3 | Reparing of Barbed wire fencing | | | | | 20000.00 |
| Total | | | | | | 33313.00 |
| A | Add GST (12% on A) | | | | | 3998.00 |
| B | A + B | | | | | 37311.00 |
| C | Add Cess (1% on Cess) | | | | | 373.00 |
| D | Add Contingency (3% on C) | | | | | 1119.00 |
| E | Add Contingency (3% on C) | | | | | 1119.00 |
| F | Grand Total (C+D+E) | | | | | 38803.00 |

Prepared By

 Range Officer
 Attached Forest Range
 Bankura (South) Division

Checked By

 Asst. Div. Forest Officer
 Bankura (S) Division

Verified By

 Divisional Forest Officer
 Bankura (South) Division


 Chief Conservator of Forests
 Central Circle, West Bengal

| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|----------------------|---|----------|---------|------|----------|--------------|
| 9th Year Maintenance | | | | | | |
| 1 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 2441 | 300 mtr. | 7323.00 |
| 2 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 7322 | 1 Ha. | 7322.00 |
| 3 | Reparing of Barbed wire fencing | | | | | 20000.00 |
| A | Total | | | | | 34645.00 |
| B | Add GST (12% on A) | | | | | 4157.00 |
| C | A + B | | | | | 38802.00 |
| D | Add Cess (1% on Cess) | | | | | 388.00 |
| E | Add Contingency (3% on C) | | | | | 1164.00 |
| F | Grand Total (C+D+E) | | | | | 40354.00 |

Prepared By

Checked By

Verified By



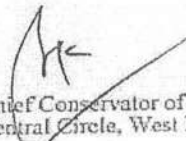
Range Officer
Attached Forest Range
Bankura (South) Division



Asst. Div. Forest Officer
Bankura (S) Division



Divisional Forest Officer
Bankura (South) Division



Chief Conservator of Forests
Central Circle, West Bengal

| Sl. No. | Particulars of Work | SoR Ref. | Unit | Rate | Quantity | Amount (Rs.) |
|------------------------------|---|----------|---------|------|----------|-----------------|
| 10th Year Maintenance | | | | | | |
| 1 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 mtr | 2685 | 300 mtr. | 8055.00 |
| 2 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 Ha | 8054 | 1 Ha. | 8054.00 |
| 3 | Reparing of Barbed wire fencing | | | | | 20000.00 |
| A | Total | | | | | 36109.00 |
| B | Add GST (12% on A) | | | | | 4333.00 |
| C | A + B | | | | | 40442.00 |
| D | Add Cess (1% on Cess) | | | | | 404.00 |
| E | Add Contingency (3% on C) | | | | | 1213.00 |
| F | Grand Total (C+D+E) | | | | | 42059.00 |

| ABSTRACT | | | | |
|-----------------|---|--------------|--------|------------------|
| Sl No | Particulars of Work | Area (in Ha) | Rate | Amount (Rs) |
| 1 | Creation Work | 6.41 | 235852 | 15,11,811 |
| 2 | 1st Year Maint Work | 6.41 | 75310 | 4,82,737 |
| 3 | 2nd Year Maint Work | 6.41 | 82146 | 5,26,556 |
| 4 | 3rd Year Maint Work | 6.41 | 89052 | 5,70,823 |
| 5 | 4th Year Maint Work | 6.41 | 45356 | 2,90,732 |
| 6 | 5th Year Maint Work | 6.41 | 47564 | 3,04,885 |
| 7 | 6th Year Maint Work | 6.41 | 36112 | 2,31,478 |
| 8 | 7th Year Maint Work | 6.41 | 37393 | 2,39,689 |
| 9 | 8th Year Maint Work | 6.41 | 38803 | 2,48,727 |
| 10 | 9th Year Maint Work | 6.41 | 40354 | 2,58,669 |
| 11 | 10th Year Maint Work | 6.41 | 42059 | 2,69,598 |
| 12 | CA Land Protection | | | 14,76,190 |
| 13 | Digging of Bour Well with Electric Pump | | | 4,22,830 |
| 14 | Construction of Over Head Tank | | | 2,49,196 |
| 15 | Delivery Pipe 3" dia mtr. (500 Mtr.) | | | 14,100 |
| Total | | | | 70,98,022 |

(Rupees Seventy Lakh Ninety Eight Thousand Twenty Two) only

Prepared By
Range Officer
Attached Forest Range
Bankura (South) Division

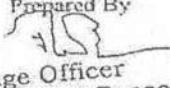
Checked By
Sub. Div. Forest Officer
Bankura (S) Division


Verified By
Divisional Forest Officer
Bankura (South) Division


Chief Conservator of Forests
Central Circle, West Bengal

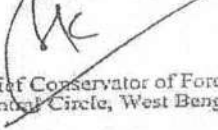
List of High Intensity Wildlife Fodder Trees Species

| Sl. No. | Local Name | Scientific Name |
|---------|-----------------|----------------------------------|
| 1 | Bel | <i>Agel marmelos</i> |
| 2 | Aam | <i>Mangifera indica</i> |
| 3 | Jam | <i>Acacia acuminata</i> |
| 4 | Jackfruit | <i>Artocarpus heterophyllus</i> |
| 5 | Banyan | <i>Ficus benghalensis</i> |
| 6 | Banana | <i>Musa sp.</i> |
| 7 | Date Palm | <i>Phoenix dactylifera</i> |
| 8 | Papaya | <i>Carica papaya</i> |
| 9 | Fig | <i>Ficus carica</i> |
| 10 | Guava | <i>Psidium guajava</i> |
| 11 | Phalsa | <i>Grewia subinaeualis</i> |
| 12 | Papra | <i>Gardenia latifolia</i> |
| 13 | Anch/ Noni | <i>Morinda tomentosa</i> |
| 14 | Haldi/ Bangab | <i>Diospyrus montana</i> |
| 15 | Gab | <i>Diospyrus malabaricum</i> |
| 16 | Kuchila | <i>Strychnos nux-vomica</i> |
| 17 | Lashora | <i>Cordia myxa</i> |
| 18 | Mohua | <i>Madhuca indica</i> |
| 19 | Deya Madar | <i>Atrocarpus lacucha</i> |
| 20 | Kanthal | <i>Atrocarpus hetrophyllus</i> |
| 21 | kalo Jam | <i>Syzygium cumini</i> |
| 22 | Pial | <i>Buchanania lanzan</i> |
| 23 | Kayet Bel | <i>Limonia acidissima</i> |
| 25 | Madre/ Sharang | <i>Gliricidia sepium</i> |
| 26 | Pituli (Female) | <i>Trewia nudiflora</i> |
| 27 | Kamala | <i>Mallothus phillippinensis</i> |
| 28 | Kul | <i>Ziziphus mauritiana</i> |
| 29 | Bat | <i>Ficus beghalensis</i> |
| 30 | Kamarup | <i>Ficus mollis</i> |
| 31 | Aswathha | <i>Ficus religiosa</i> |
| 32 | Peepul | <i>Ficus rumphii</i> |
| 33 | Chinese banayan | <i>Ficus microcarpa</i> |
| 34 | White Fig | <i>Ficus virens</i> |
| 35 | Dumur | <i>Ficus hispida</i> |
| 36 | Jagnya Dumur | <i>Ficus racemosa</i> |

Prepared By  Range Officer
 Attached Forest Range
 (South) Division

Checked By  Asst. Div. Forest Officer
 (South) Division

Verified By  Divisional Forest Officer
 Benkura (South) Division

 Chief Conservator of Forests
 Central Circle, West Bengal



Annexure - III (b)



Government of West Bengal
Directorate of Forests

Office of the Divisional Forest Officer, Bankura (North) Division

Machantala, Bankura, Pin: 722101

Phone: (03242-250758) – Fax: (03242-256556), e-mail: dfoban-wb@nic.in & dfo_bkn@yahoo.com

Visit us at: www.bankuraforest.in

Memo. No- 742 / 15

Dated, Bankura, the 14 / 03 / 2023

From :: The Divisional Forest Officer,
Bankura (North) Division.

To :: The Chief Conservator of Forests,
Central Circle, West Bengal.


Sub :: Submission of CA land proposal of ESSAR Oil Project.

Sir,

With reference to the above mentioned subject, enclosed please find herewith the estimate for Creation of CA planation (per Ha) 2022-23 under Bankura (North) Division.

This is for your kind perusal.

Enclosed : As stated above.

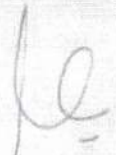

Divisional Forest Officer,
Bankura (North) Division.

Memo. No- 742 / 15

Dated, Bankura, the 14 / 03 / 2023

Copy to :-

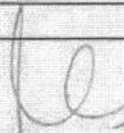
1. The Addl. Principal Chief Conservator of Forests & Nodal Officer, Forest Conservation Act.
2. The Chief Conservator of Forests, Forest Conservation Act.


Divisional Forest Officer,
Bankura (North) Division.

Estimate for Creation of CA Plantation (per Ha) 2022-23

| Type of Plantation | | Fodder Tree Plantation | | | | | | |
|--------------------------|---|-----------------------------------|-------------|-----|-------|----------|-------|--------------|
| No. of Seedlings per Ha. | | 1100 | | | | | | |
| Spacing per Ha. | | 3m X 3m | | | | | | |
| Pit Size | | 60cm. X 45cm. X 45cm. | | | | | | |
| Species Name | | Scientific Name | | | | | | |
| Mahul | | <i>Madhuca latifolia</i> | | | | | | |
| Bel | | <i>Aegle marmelos</i> Linn, Corrz | | | | | | |
| Chalta | | <i>Dillenia indica</i> | | | | | | |
| Bat | | <i>Ficus bengalensis</i> Linn | | | | | | |
| Dumur | | <i>Ficus hispida</i> L | | | | | | |
| Kajmola | | <i>Ailanthus altissima</i> | | | | | | |
| Bahera | | <i>Terminalia belerica</i> | | | | | | |
| Amla | | <i>Embllica officinalis</i> | | | | | | |
| Haritaki | | <i>Terminalia chebula</i> | | | | | | |
| Sal | | <i>Shorea robusta</i> | | | | | | |
| Tetul | | <i>Tamarindus indica</i> | | | | | | |
| Sl. No. | Particulars of Work | SoR Ref. | Unit | | Rate | Quantity | | Amount (Rs.) |
| 1 | Survey and demarcation of the plantation site including preparation of Regeneration Map and GPS Survey map | 29 | 1 | Ha | 542 | 1 | Ha | 542 |
| 2 | Clearance of undergrowing in thick forest areas, Clear felling, burning, heaping & reburning in moderate density areas of undergrowth and bushes | 27(c) | 1 | Ha | 3415 | 1 | Ha | 3415 |
| 3 | Staking and alignment of plantation site, collection of stakes, pitching etc. | 30 | 1 | Ha | 1483 | 1 | Ha | 1483 |
| 4 | Pit cutting | 31(b) | 1 | Ha | 14228 | 1 | Ha | 14228 |
| 5 | Soil moisture Conservation- Digging of box trench over a length of 500mt of size 5m X 0.45m X 0.45m | 32 | 1 | Ha | 9960 | 1 | Ha | 9960 |
| 6 | Sorting and shifting of seedlings per each time | 11(ii) | 1000 | Nos | 854 | 1210 | Nos. | 1033.34 |
| 7 | Weeding and Cleaning of Seedlings in Hycopot/ root trainers per each time | 12(ii) | 1000 | Nos | 854 | 1210 | Nos. | 1033.34 |
| 8 | Watering of seedlings in Hycopot two times per day | 13(ii) | 10000 | Nos | 427 | 1210 | Nos. | 51.667 |
| 9 | Creation of inspection path by removing weeds, scarping and by providing proper drain along the diagonal of the plantation site, of 3mt wide | 42 | 100 | mtr | 1423 | 50 | mtr. | 711.5 |
| 10 | Pit filling and application of Farm yard Manure | 33(ii) | 1 | Ha | 6260 | 1 | Ha. | 6260 |
| 11 | Transplanting of Hycopot seedlings into pits including man carriage from the unloading point: | 36(ii) | 1000 | Nos | 3699 | 1210 | Nos. | 4475.79 |
| 12 | Application of insecticides and other chemicals whenever necessary | 41 | 1000 | Nos | 569 | 1100 | Nos. | 625.9 |
| 13 | Vacancy infilling of pits with new seedling wherever there mortality due abiotic and biotic factors | 40 | 100 | Nos | 427 | 110 | Nos. | 469.7 |
| 14 | 1st Cleaning | 38(a) | 1 | Ha | 3984 | 1 | Ha. | 3984 |
| 15 | Mulching | 39(b) | 1000 | Nos | 3415 | 1100 | Nos. | 3756.5 |
| 16 | 2nd Cleaning | 38(b) | 1 | Ha | 3415 | 1 | Ha. | 3415 |
| 17 | 3rd Cleaning | 38(c) | 1 | Ha | 2846 | 1 | Ha. | 2846 |
| 18 | Creation of fireline to protect plantation from Fire, by making 3mt wide fireline inside plantation and along boundary, by removing weeds and vegetation and scarroing, cutting of all existing weed growth to a width of 3m. Heaping, burning and reburning in younger plantations | 44 | 100 | mtr | 1138 | 300 | mtr. | 3414 |
| 19 | Watering of Plantation indry season: Cost for watering during summer months and dry spell every 15days once per time | 48(b) | Ha per time | | 2000 | 8 | times | 16000 |

| | | | | | | | | |
|----------|---|-----------|----------------|-----|-------------|------|-------------|---------------------|
| 20 | Providing watch and ward in the form of man days to oversee the plantation and protect the planation from damages arising out of biotic factors for the entire year | 45 | 1 | Ha | 3415 | 1 | Ha. | 3415 |
| 21 | Material: a) Farm Yard Manure- ii) Sal 8m ³ | 50(a)(ii) | 1 | Ha | 9200 | 0.6 | Ha. | 5520 |
| 22 | Material: c) Chemical Fertilisers | 50(c) | 1 | MT | 28750 | 0.08 | MT. | 2300 |
| 23 | Material: b) Insecticides, fungicides (1ltr each/ha) | 50(b) | 1 | Ha | 690 | 1 | Ha. | 690 |
| 24 | Purchase of ingredients for different materilas required for Forestry Operation including carriage upto 5km : k) Organic manure (50gms/ plants) | 3(k) | 1 | MT | 23000 | 0.08 | MT. | 1840 |
| 25 | Transporation of Hycopot seedlings from nursery to Plantation site including loading & unloading: d) lead distance>20km & upto 30km: 300CC Hycopot | 34(d) | 1000 | Nos | 2118 | 1210 | Nos. | 2562.78 |
| 26 | Collection of Hycopot after plantation & transporting back to central nursery after careful packing etc. : d) lead distance> 20km & upto 30km : 300CC Hycopot | 43(d) | 1000 | Nos | 368 | 1210 | Nos. | 445.28 |
| 27 | Maintenance Work for 10 yrs | | Qnty/MD | | Year | | Rate | Amount (Rs.) |
| i) | Vacancy infilling & inluding carriage | | 5 | | 5 | | 284 | 7100 |
| ii) | 1st time weeding cleaning & mulching | | 10 | | 10 | | 284 | 28400 |
| iii) | 2nd time weeding cleaning & mulching | | 8 | | 8 | | 284 | 18176 |
| iii) | 3rd time weeding cleaning & mulching | | 6 | | 5 | | 284 | 8520 |
| iv) | Repair of fencing | | 2 | | 10 | | 284 | 5680 |
| v) | Cutting of Fire line 3 mtr. Wide & revoing the debris material to prevent fire | | 5 | | 10 | | 284 | 14200 |
| vi) | Watch & Ward | | 10 | | 10 | | 284 | 28400 |
| vii) | Watering for 1st 3 years | | 1 | | 3 | | 16000 | 48000 |
| A | Total | | | | | | | 2,52,953.80 |
| | Per Ha Cost | | | | | | | 2,52,953.80 |
| | Cost for 6.14 Ha | | | | | | | 15,53,136.31 |
| B | Fixed Cost | | | | | | | |
| i) | Cost of Signage (one for each 10Ha or part thereof) | 49 | 1 | Ha | 300 | 1 | Ha. | 300 |
| ii) | Energized Power fencing line over 1.6 Km | 46(b) | 1.6 | Km | 200000 | | | 320000 |
| C | Total cost for 6.14 Ha | | | | | | | 18,73,436.31 |
| D | Add GST (12% on C) | | | | | | | 2,24,812.36 |
| E | Total (C+D) | | | | | | | 20,98,248.67 |
| F | Add Cess (1% on Cess) | | | | | | | 20,982.49 |
| G | Add Contingency (3% on E) | | | | | | | 62,947.46 |
| | Grand Total (E+F+G) | | | | | | | 21,82,178.62 |



 Divisional Forest Officer,
 Bankura (North) Division.

Countersign by

Chief Conservator of Forests,
 Central Circle, Govt. of West Bengal.

Estimate for Advance Work of Tall Seedling for CA Plantation, under Bankura(North) Division.

| Sl | Particulars of Work | Unit | Type | Rate (in Rs.) | Amount per hycopts/QPM/Seedling Rates of 2022-23 |
|--|---|---------------------------------------|---------------|---------------|--|
| Advance Component | | | | | |
| 1 | Cost of making dry and sieved leaf compost inclusive of all costs | m3 | Material | 3000 | 1.67 |
| 2 | Cost of coarse Sand (Purchase/Collection, Carriage, Loading, unloading, drying & sieving all inclusive) | m3 | Material | 900 | 0.50 |
| 3 | Cost of Burnt Rice Husk/CDM/Vermicompost etc. (Purchase/Collection, Carriage, Loading, Unloading, drying & sieving all inclusive) | m3 | Material | 1200 | 0.67 |
| 4 | Preparation of potting mixture (mixing through hand driven Mixture Machine) | m3 | Labour | 588 | 0.33 |
| 5 | Disinfection of Root Trainers, Filling and keeping filled Root Trainers on Stands | for 1100+20% infilling=1320 Seedlings | Labour | 588 | 0.33 |
| 6 | Collection of quantity Seeds including collection and carriage | | Material | 380 | 0.21 |
| 7 | Drying, shoring and Pre-treatment of seeds and showing in Hygro pits | | Labour | 294 | 0.16 |
| 8 | Pricking out and transplanting of seedlings in Root Trainers | | Labour | 882 | 0.49 |
| 9 | Supply of insecticides, fungicides, micronutrients, disinfectants etc. | | Material | 120 | 0.07 |
| 10 | Supply of Sieving nets, water pipes/can etc. | | Material | 80 | 0.04 |
| 11 | Watering for 90 days (January to March) including watering in Hygro pits and Spraying of insecticides. | | Labour | 1176 | 0.65 |
| 12 | Shorting-shifting, weeding-cleaning as and when required | | Labour | 588 | 0.33 |
| 13 | Contingency | | | | 0.16 |
| Cost of one seedlings/QPM (Departmental Rate in Rs.) | | | | | 5.60 |
| Cost of one seedlings/QPM (Tender Rate with 10% Contractor's profit) | | | | | 6.16 |
| GST (18%) | | | | | 1.11 |
| Labour Cess (1%) | | | | | 0.07 |
| Grand Total per QPM/Seedling (Tender Rate in Rs.) | | | | | 7.35 |
| 1st Year maintenance work for tall seedling | | | | | |
| Sl No. | Particulars of Work | Unit | Physical Qty. | | |
| A | LABOUR COMPONENT (M.Days @ Rs.294/-) | | | | |
| 1 | Sorting shifting weeding-Cleaning, forking, culling, watering and maintenance of seedlings in central nurseries for 12 months | MD | | 25 | |
| 2 | Application of Bio-fertiliser, insecticides, Fungicides, Hormone, Micronutrients etc. | MD | | 4 | |
| 3 | Cost of Watch & Ward | MD | | 3 | |
| | Total Mandays (Nos.) | | | 32 | |
| A1 | Cost of Labour Component @ Rs.294/MD (Rs.)= | Rs. | | 9408 | |
| B | MATERIAL COMPONENT (in Rs.) | | | | |
| 4 | Cost of Oil Cake/ Biofertiliser, Compost for replenishment of hypocot seedlings/ Organic manure etc. (GST: NIL) | Rs. | | 1100 | |
| 5 | Cost of insecticides, Fungicides, Micro-nutrients, Hormone etc. | Rs. | | 590 | |
| B1 | Total Material Cost | Rs. | | 1690 | |
| C | Total (Labour+Materials) (A1+B1) | | | 11098 | |
| D | Add GST (18% on C) | | | 1998 | |
| E | Total Including GST (C+D) | | | 13096 | |
| F | Labour Welfare Cess (1% on C) | | | 111 | |
| G | Grand Total for maintenance of 1320 seedlings (Rs.)= | | | 13207 | |
| H | Cost of maintenance as per seedling=Rs. 13207/1320 seedlings=(Rs.) | | | 10.000 | |
| Or say | | | | 10.00 | |


Divisional Forest Officer,
Bankura (North) Division.

Countersign by
Chief Conservator of Forests,
Central Circle, Govt. of West Bengal.

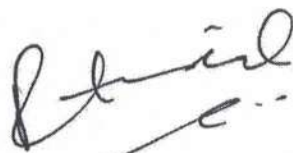
**Undertaking for handover of 12.5492 Ha of land for the
purpose of Compensatory Afforestation as compliance for
Stage I Clearance**

EOGEPL has proposed 12.5492 ha land for the purpose of Compensatory Afforestation (CA) in Bankura falling under jurisdictions of DFO – Bankura (South Division) and DFO – Bankura (North Division). The CA land details are as per the table below:

| SI No | Forest Division | Range Office | Mouza Name | JL No | Plot No | Area (in ha) |
|-------|-----------------|--------------|------------|-------|---------|--------------|
| 1 | Bankura (South) | Kamalpur | SHALDIHA | 225 | 3066 | 5.32 |
| 2 | | | SHALDIHA | 225 | 4587 | 0.30 |
| 3 | | | SHALDIHA | 225 | 4556 | 0.79 |
| 4 | Bankura (North) | Saltora | DHATALA | 115 | 1775 | 6.1392 |

In this regard, kindly note and as informed earlier, land purchased at Bankura by EOGEPL and earmarked for Compensatory Afforestation has been vested by GoWB under Land Ceiling Act. Land Dept. shall transfer the required quantum in favour of Forest Dept. in the form of Inter Departmental Transfer (IDT) but only post receiving approval from Forest Dept. in the form of Suitability Certificate.

EOGEPL also hereby undertakes to complete all required work of trenching and pillaring and will ensure that the land shall be free of any sort of encroachments, encumbrances and litigations prior to handover to Forest department as compliance for Stage I clearance.



Ranjan Chandal
Chief Finance Officer
For Essar Oil and gas Exploration and Production Limited
Date: 10th January, 2023
Place: Durgapur

Annexure - IV (6)

GOVERNMENT OF WEST BENGAL
DEPARTMENT OF LAND AND LAND REFORMS AND
REFUGEE RELIEF AND REHABILITATION
GE(M)/LRA-III BRANCH, NABANNA, 325, SARAT CHATTERJEE ROAD,
P.O. SHIBPUR, HOWRAH-711 102

Memo no. 260 - GE (M)/3M-96/12Pt-IV

Date: 19.01.2023

From : Deputy Secretary to the Govt. of West Bengal
To : The Special Secretary to the Govt. of West Bengal,
Forest Department, 10A, LA Block, Sector III,
Aranya Bhawan, Bidhannagar, Salt Lake City, Kolkata-700106

Subject: Proposal for inter departmental transfer of 12.5492 Ha or 31.01 acres of Govt. land over plot no. 3066, 4587, 4556 at Mouza - Shaldiha, J.L.No. 225 under Chhatna block and plot no. 1775 at Mouza-Dhatala, J.L.No. 115 under Saltora block in favour of Forest Department for the purpose of compensatory afforestation in lieu of utilization of forest land for oil exploration and production by M/s Essar Oil and Gas Production Ltd. in the district of Bankura.

Ref: EOL/CBM-RG(E)/CA/2022/4376 Dated 05.12.2022 from DGM-LAQ, Essar Oil and Gas Exploration & Production Ltd.

Sir,

I am directed to inform you that a proposal for inter departmental transfer of land as mentioned in the subject above in favour of your department is presently under active consideration at this end. Originally the land was purchased by M/s Essar Oil and Gas Exploration & Production Ltd. and subsequently vested to the state as ceiling surplus land.

I am, therefore, directed to request you to kindly send the views/consent of your Department along with a copy of the land suitability report of the concerned DFO, Bankura for the proposal stated above at the earliest.

This may kindly be treated as urgent.

Enclo:- As stated

Yours faithfully,

Sd/-
Deputy Secretary
to the Government of West Bengal

Memo no. 260 /1(4) - GE (M)/ 3M-96/12Pt-IV

Date: 19.01.2023

Copy forwarded for information & necessary action to

- 1) The D.M. & Collector, Bankura, District- Bankura
- 2) The A.D.M. and D.L. & L.R.O., Bankura, District- Bankura
- ✓ 3) DGM-LAQ, Essar Oil and Gas Exploration and Production Ltd.
Essar House - Durgapur, Vill+P.O.- Molandighi,
Dist - Paschim Bardhaman, Durgapur-713212. It is being informed that his proposal as stated in the reference above is presently under process at this end.
- 4) Office Copy.

An
Deputy Secretary
to the Government of West Bengal



Essar Oil and Gas Exploration and Production Ltd
Essar House - Durgapur
Village & Post Office - Molandighi
Block - Kanksa
Durgapur Sub-Division
Dist. - Paschim Bardhaman
Durgapur - 713212
West Bengal
India

CIN: U11203GJ2016PLC091903

E eoegpl@essarenp.co.in
www.essar.com

EOGEPL/CBM-RG(E)/CA/2023/4452

Feb 6, 2023

Principal Chief Conservator of Forest & Head of Forest Force (HOFF)
Department of Forest, Government of West Bengal
Aranya Bhaban, Kolkata - 700106

Sub: CA Land for FDP of 12.5492 ha of forest land in favour of Essar Oil and Gas Exploration and Production Ltd. under Burdwan & Durgapur Forest Division

Ref: Letter No: IRO/KOL/WB/Others/154900/2022/474, dt Nov 23, 2022, by IRO, MOEFCC

Dear Sir,

We refer to the meeting we had today on the captioned subject.

We submit as follows:

- EOGEPL had purchased ~42 Ha (~103 Acres) of land in Bankura in 2010 and the same was earmarked for CA land. As EOGEPL had crossed the stipulated ceiling of 24 Acres, the said land in Bankura was vested to GoWB under The Land Ceiling Act.
- EOGEPL was accorded Stage 1 approval for 13.54 Ha (FDP-1) in Feb 2016 and Stage-2 of the same was pending for transfer of CA land by EOGEPL. After receipt of the Inter Department Transfer (IDT) Order from the LRC on Sep 26, 2022 (Copy attached for reference), EOGEPL has today transferred the said land to the Forests. There was some cultivation by the local villagers which was cleared with the support of DLRO's office before the handover to the Forests. We shall now request for grant of Stage-2 Approval as all other compliances are also complete.
- In the meanwhile, EOGEPL has submitted FDP-2 for grant of 12.54 ha (as captioned above) of forest land, for drilling of additional wells and enhance CBM gas production. In lieu of the same, EOGEPL has offered land in Bankura (North) and Bakura (South), for which site visits have been done by the respective DFOs and Suitability Certificates have been issued. We understand that there are similar cultivation in these parcels of the land as well. As discussed, we hereby confirm and undertake to handover clean land, along with trenching and pillaring, to the Forest Department at an appropriate time.

We thereby request you for issuance of revised Suitability Certificates, as deemed appropriate and expedite grant of Stage-1 Clearance for the aforesaid proposal

Thanking You,

For, Essar Oil and Gas Exploration & Production Ltd



Ranjan Jindal
Chief Finance Officer

Essar Oil and Gas Exploration and Production Limited

Registered Office Address: F 20, Balaji Shopping, Wide Angle, Highway, Nagalpur, Mehsana, Gujarat - 384002, India.

T +91 2762-244607 F +91 2762-244608

GOVERNMENT OF WEST BENGAL
DEPARTMENT OF LAND & LAND REFORMS AND REFUGEE RELIEF & REHABILITATION
GE(M)/LRA-III BRANCH, NABANNA, 325, SARAT CHATTERJEE ROAD,
P.O. SHIBPUR, HOWRAH-711 102

Memo No. 4286-GE(M)/3M-96/12 Pt-IV

Date : 26.09.2022.

From: The Deputy Secretary
to the Government of West Bengal.

To : The District Magistrate & Collector, Bankura,
Dist. - Bankura.

Subject : *Inter-Departmental Transfer of Govt. land in favour of the Forest Department, Govt. of West Bengal for the purpose of Compensatory Afforestation under Indpur Block in the district of Bankura in lieu of utilization of forest land for oil exploration and production by M/s Essar Oil and Gas Production Limited.*

With reference to the above, the undersigned is directed to say that the Governor is hereby pleased to accord sanction to the following inter-departmental transfer of Govt. land in favour of the *Forest Department, Govt. of West Bengal for the purpose of Compensatory Afforestation under Indpur Block in the district of Bankura in lieu of utilization of forest land for oil exploration and production by M/s Essar Oil and Gas Production Limited* as per land schedule below:

Schedule

| District | P.S. | Mouza | J.L. No. | LR Plot No. | Area (in acre) |
|----------|--------|-----------|----------|-------------|----------------|
| Bankura | Indpur | Mukutdihi | 118 | 364 | 20.94 |
| | | | | 365 | 4.00 |
| | | | | 407 | 2.50 |
| | | | | 425 | 6.02 |

Total Area - 33.46 acres

2. The *Forest Department* Government of West Bengal will hold the land as sanctioned on the following terms and conditions:

(i) The land will be reverted to the Land and Land Reforms Department when no longer required by the *Forest Department* Government of West Bengal.

(ii) If it is found that the land has not been utilized for a period of 3 (three) years from the date of taking over possession, the Land & Land Reforms Department may resume such quantum of land from the *Forest Department*, Government of West Bengal.

(iii) The *Forest Department*, Government of West Bengal will not alienate the land.

(iv) The *Forest Department*, Government of West Bengal will not lease out or let out or transfer any portion or whole of the land at all.

(v) If any portion of the land so sanctioned is found surplus to the requirements at any stage for the purpose afore mentioned, the said portion of land shall be reverted to the Land and Land Reforms Department.

SPEED POST

(vi) If it is subsequently found that the subject land is involved in any Court Case in any Hon'ble Court of Law including WBLRTT, then all concerned shall abide by the orders as may be passed by such Hon'ble Court or WBLRTT.

(vii) The *Forest Department*, Government of West Bengal will not utilize the land for commercial purpose.

(viii) If it is detected subsequently that land is being used for commercial purpose then the *Forest Department*, Government of West Bengal will be liable to pay full market value of the land as to be assessed on the date of such detection.

3. It is accordingly requested to hand over possession of land so sanctioned to the authorized representative of the *Forest Department*, Government of West Bengal immediately and report compliance thereof to this Department early. A copy of the possession certificate should also have to be furnished to this Department.

4. This has the approval of the Cabinet held on 19.09.2022. vide Cabinet Secretariat U/O. No. CAB(D)-410, dated 20.09.2022.

Sd/-

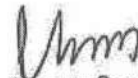
Deputy Secretary
to the Govt. of West Bengal

Date : 26.09.2022.

Memo No. 4286/I(7)-GE(M)

Copy forwarded for information and necessary action to:

1. The Principal Secretary to the Govt. of West Bengal,
Forest Department,
Aranya Bhavan, 10A, LA Block, Sector - III,
Bidhannagar, Kolkata - 700098.
2. The Finance Department of this Government,
Nabanna, 10th Floor, Howrah - 711102.
3. The Director of Land Records & Survey, WB
35, Gopalnagar Road, Alipore, Kol - 700027.
4. The ADM & DL & LRO, Bankura,
Dist. - Bankura.
- ✓ 5. M/s Essar Oil and Gas Production Limited,
AN 81B, Sector - 2B, Martin Luther King Road,
Bidhannagar, Durgapur, PIN - 713212.
6. Guard file of GE(M) Branch.
7. Office Copy.



Deputy Secretary
to the Govt. of West Bengal

Government of West Bengal
Office of the Block Land and Land Reforms Officer
Indpur, Bankura



No : 132

Dated : the 6th of February, 2023Handover of Possession of Land

In accordance with Memo No 4286-GE(M)/3M-96/12 Pt-IV, dated the 26th of September, 2022 of the Department of Land and Land Reforms and Refugee Relief and Rehabilitation, GE(M)/LRA-III Branch, Nabanna and read with Memo No 6175, dated the 29th of September, 2022 of the Additional District Magistrate and District Land and Land Reforms Officer, Bankura, the possession of land scheduled below is hereby handed over to the authorized person of the Forest Department, Government of West Bengal, for the purpose of Compensatory Afforestation under Indpur Block in the district of Bankura in lieu of utilization of forest land for oil exploration and production by Essar Oil and Gas Exploration and Production Ltd.

| District | Police Station | Mouza | J.L. No | LR Plot No | Area (in acre) |
|----------|----------------|-----------|---------|------------|----------------|
| Bankura | Indpur | Mukhutidi | 118 | 364 | 20.94 |
| | | | | 365 | 4.00 |
| | | | | 407 | 2.50 |
| | | | | 425 | 6.02 |
| | | | | Total Area | 33.46 |

Possession handed over by

Shuvendu S. Ghosh
 (Shri Shuvendu Shekhar Ghosh)
 Block Land and Land Reforms Officer
 Indpur, Bankura

Block Land & Land Reforms Officer
 Indpur, Bankura

Memo No : 132/1(4)

Copy forwarded to the -

- (1) ADM and DLLRO, Bankura for information
- (2) DFO, Bankura (South) Division for information
- (3) SDLLRO, Khatra, for information
- (4) Essar Oil and Gas Exploration and Production Ltd. for information

Possession taken over by

Shri Madhur Milan Ghosh
 (Shri Madhur Milan Ghosh)
 Asst. Divisional Forest Officer
 Bankura (South) Division
 Asst. Div. Forest Officer
 Bankura (South) Division

Dated : the 6th of February, 2023

Shuvendu S. Ghosh
 Block Land and Land Reforms Officer
 Indpur, Bankura
 Block Land & Land Reforms Officer
 Indpur, Bankura



**Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Bankura (South) Division
Machantala, Bankura, Pin- 722 101**



Phone No:- 03242-250 307, Fax No:- 03242-252 371, e-mail:- dfosouth.bks@gmail.com, Visit us at:- www.bankuraforest.in

No. 3625/28-L.L.C (LT)

Dated, Bankura, the 01 / 02 / 2023

From : The Divisional Forest Officer,
Bankura (South) Division.

To : i) The Divisional Forest Officer,
Burdwan Division.
ii) The Divisional Forest Officer,
Durgapur Division.

Sub : Site Suitability report for 12.5492 hectares of land indentified and offered for compensatory Afforestation at Mouza- Saldiha & Dhatala, J.L. No. 225 & 115 Plot No. 3066, 4587, 4556 by M/S Essar Oil and Gas Production Ltd. For Proposal No. FP/WB/Others/154900/2022.

Ref : The CCF, FCA, W.B's kind Office Memo No. 10622/L & LT/2M-63/2022 dt. 18.01.2023.

Sir/Madam,

With reference to the subject mentioned above, please find attached herewith the site suitability report regarding land offered for CA at Mouza- Saldiha, J.L. No. 225, Plot No. 3066, 4587 & 4556 (Area - 6.41 Ha.) under Bankura (South) Division by M/S Essar Oil and Gas Production Ltd. For proposal No. FP/WB/Others/154900/2022 is attached herewith for your kind information and necessary action.

This is for your information and taking necessary action.

Enclosure: Memo No. 3553/28-L.L.C (LT) dt.24.01.2023.

(Shri E. Vijayakumar, IFS)
Divisional Forest Officer,
Bankura (South) Division.

No. 3625/28-L.L.C (LT)

Dated, Bankura, the 01 / 02 / 2023

Copy forwarded for your information to -

- i) The Chief Conservator of Forests, Forest Conservation Act.
- ii) The Chief Conservator of Forests, Central Circle, W.B.

(Shri E. Vijayakumar, IFS)
Divisional Forest Officer,
Bankura (South) Division.



Government of West Bengal
Directorate of Forests
Office of the Divisional Forest Officer
Bankura (South) Division
Machantala, Bankura, Pin- 722 101



Phone No:- 03242-250 307, Fax No:- 03242-252 371, e-mail:- dfosouth.bks@gmail.com, Visit us at:- www.bankuraforest.in

No. 3553/28-L.L.C (LT)

Dated, Bankura, the 24 / 01 / 2023

From : The Divisional Forest Officer,
Bankura (South) Division.

To : The Chief Conservator of Forests,
Forest Conservation Act.

Sub : Site Suitability report for 12.5492 hectares of land indentified and offered for compensatory Afforestation at Mouza- Saldiha & Dhatala, J.L. No. 225 & 115 Plot No. 3066, 4587, 4556 by M/S Essar Oil and Gas Production Ltd. For Proposal No. FP/WB/Others/154900/2022.

Ref : The CCF, FCA, W.B's kind office Memo No. 10622/L</2M-63/2022 dt.18.01.2023 &
This office Memo No. 3523/28-L.L.C (LT) dt.19.01.2023.


Sir/Madam,

With reference to the subject mentioned above, a field verification was carried out on 21.01.2023 at Mouza- Saldiha, J.L. No. 225, Plot No. 3066, 4587 & 4556 (Area – 6.41 Ha.) under Kamalpur Range in presence of Divisional Forest Officer, Bankura (South) Division, Asst. Divisional Forest Officer, Bankura (South) Division and Range Officer, Kamalpur Range.

As per the field inspection of the proposed non-forest land of an area of 6.41 ha. it was found that the area is suitable for afforestation. It was also found that near about 2 ha. of land was encroached for agricultural purpose. Therefore, the agency is requested to undertake the following works before handover of the non forest land:

- 1) Demarcation of the total area of over 6.41 ha. with proper survey map.
- 2) Boundary trench and Barbed wire fencing around the demarcated area without any encroachment.
- 3) Land levelling.

This is for your information and taking necessary action.



(Shri E. Vijayakumar, IFS)
Divisional Forest Officer,
Bankura (South) Division.

No. 3553 /28-L.L.C (LT)

Dated, Bankura, the 24/01/2023

Copy forwarded for your information and taking necessary action to –

- i) The Chief Conservator of Forests, Central Circle, W.B.


(Shri E. Vijayakumar, IFS)
Divisional Forest Officer,
Bankura (South) Division.

✓
10/3/23



Government of West Bengal
Directorate of Forests
Office of the Chief Conservator of Forests
Central Circle, West Bengal,
3rd Floor, (Phase-I), Webel IT Park,
Gandhi More, Durgapur, West Bengal- 713208,
E-mail: ccfcc.f-d-wb@gov.in, Phone & Fax: 0343-254 9911



Memo.No. 335/3A-1

Dated. 09/03/2023

- From : The Chief Conservator of Forests
Central Circle, West Bengal
- To : The Chief Conservator of Forests & Nodal Officer,
Forest Conservation Act, West Bengal.
- Sub : Submission Site Suitability report for 12.5492 hectares of land identified and offered for
compensatory afforestation in Mouza-Dhatala, JL No. 115 Plot No. 1775 by M/S Essar Oil
and Gas production Ltd for Proposal No. FP/WB/Others/154900/2022.
- Ref : The DFO, Bankura (North) Division's Memo No. 661/8- dated 06/03/2023.

Sir,

With reference to the above, kindly find enclosed herewith the report of
suitability/unsuitability for Compensatory Afforestation (CA) of the Plots as per field verification by
Divisional Forest Officer, Bankura (North) Division for your kind information and taking necessary
action.

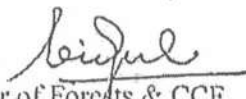
Enclosure: As stated


Conservator of Forests & CCF,
Central Circle, West Bengal

Memo No. 335/1(1)/3A-1


Dated : 09/03/2023

Copy forwarded for information to The Divisional Forest Officer, Bankura (North) Division.


Conservator of Forests & CCF,
Central Circle, West Bengal

| District | DFO | Mouza | LR Plot No. | Area (in acre) | Remarks as per field visit of DFO on 20.02.23 |
|----------|---------------|--------------------|-------------|-----------------|--|
| Bankura | Bankura North | Dhatala JL No. 115 | 1775 | 15.17 | <p>Field visit was undertaken with representatives of Essar and staffs of Saltora range. Soil condition is suitable for plantation and adjacent to forest land. The land has an existing plantation of Eucalyptus of approx. 5 years old and some vacant land.</p> <p>In one portion of the land fruit seedlings i.e. Mango & Jam were observed. These seedlings have been planted during the current year. In the last site inspection, planting pits had been observed at the same place.</p> <p>Based on the recommendations of Forest Advisory Committee vide MoEF & CC File No. 11-423/2011-FC dated 13.07.2022, potential areas should compensate the EG & S foregone from non-forestry use of forest land. In view of the above, it is proposed that species found naturally in the forests of South West Bengal should be planted. Existing seedlings of Mango & Jam should be removed without causing damage to the seedlings.</p> <p>The land has not been demarcated either through fencing or trench cutting. The land should be properly demarcated through fencing and trench cutting.</p> <p>The above conditions i.e.</p> <ol style="list-style-type: none"> 1. Proper boundary demarcation through trench & fencing. 2. Removal of fruit seedlings so that species suitable for forest may be planted <p>is necessary to accord site suitability to the proposed CA land.</p> |

Field visit report of Divisional Forest Officer, Bankura (North) Division.


 Divisional Forest Officer
 Bankura (North) Division



Essar Oil and Gas Exploration and Production Ltd.

Essar House - Durgapur

Village & Post Office – Molandighi,

Block:- Kanksa

Durgapur Sub-Division,

Dist. - Paschim Bardhaman

Durgapur 713212 | West Bengal |

India

CIN: U11203GJ2016PLC091903

E eoegpl@essarenp.co.in

www.essar.com

Undertaking to pay reasonable cost for Wild Life Management Plan and Soil Conservation Plan

We, Essar Oil and Gas Exploration and Production Limited ("EPGEPL") do hereby undertake to pay the **reasonable cost towards the implementation of Wild Life Management Plan, and Soil and Moisture Conservation Plan** in connection with the diversion of **12.5492 ha** (2.1742 ha under Durgapur Forest Division + 10.3750 ha under Burdwan Forest Division) of forest land in favour of the EOEPL for the purpose of drilling of CBM Gas Wells, construction of CBM Well Pads, approach roads and laying of pipelines and for activities related to production of Coal Bed methane at Raniganj CBM Block, as per the final approval of Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, West Bengal.


Ranjan Jindal
Chief Finance Officer

For Essar Oil and gas Exploration and Production Limited

Date: 15th March, 2023

Place: Durgapur





Annexure - VII

Government of West Bengal
Directorate of Forests
Office of Divisional Forest Officer, Burdwan Division
Golapbag, P.O.-Rajbati, Pin-713104, Dist-Purba Bardhaman
Phone & Fax - 0342-2950507
E-Mail: dfobdn@yahoo.co.in & dfobur_wb@nic.in



No. 840 / 8-11 ; Dated, Burdwan, the 15 / 03 / 2023

To : Shri Ranjan Jindal
Chief Finance Officer
Essar Oil & Gas Exploration and Production Limited,
Molandighi, Durgapur - 713212,
Paschim Bardhaman.

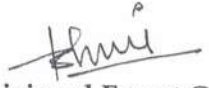
Sub: FRA Certificate in regard to diversion of forest land proposal submitted by you.

Ref: 1. Your letter no. EOGEP/CEM-RG(E)/CA/2023/4477 dt. 16.02.2023.
2. District Magistrate, Paschim Bardhaman letter no. 30/SHG&SE/ Paschim Bardhaman dt. 22.02.2018.

In reference to above undersigned has been directed to inform you that the FRA Certificate enclosed with your compliance report in regard to proposal for diversion of 13.54 ha. (9.32 ha. in Burdwan Division and 4.22 in Durgapur Division) of forest land in different mouzas under Paschim Bardhaman district does not appear to be correct as FRA status can't be 'Not applicable'.

Hence, you are requested to provide current valid FRA Certificate to take further necessary action on this matter from this end.

Encl. As stated above.


Divisional Forest Officer
Burdwan Division

अतः अब, केंद्रीय सरकार, पर्यावरण (संरक्षण) नियम, 1986 के नियम 5 के (4) खंड के साथ पठित पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 3 की उप-धारा (1) की उप-धारा (2) के खंड (v) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए, लोक हित में उक्त नियमों के नियम 5 के उप-नियम (3) के खंड (क) के अधीन नोटिस की अपेक्षा अभिमुक्ति के पश्चात भारत के राजपत्र असाधारण, भाग- II, खंड 3, उपखंड (II), में प्रकाशित, भारत सरकार की तत्कालीन पर्यावरण और वन मंत्रालय अधिसूचना का.आ.1533 (अ), तारीख 14 सितंबर, 2006, में निम्नलिखित और संशोधन करती है, अर्थात्:-

उक्त अधिसूचना में,

(i) उप शीर्ष II "चरण (2) विस्तारण", के अधीन पैरा 7 के उप पैरा 7(i) में, खंड (viii) के पश्चात निम्नलिखित खंड अंतःस्थापित किया जाएगा अर्थात्:-

"(ix) उपरोक्त में अंतर्विष्ट किसी बात के होते हुए, 1 अप्रैल 2020 से 31 मार्च 2021 की अवधि में कोरोना वायरस (कोविड-19) के प्रकोप को देखते हुए और तत्पश्चात इसके नियंत्रण के लिए घोषित लॉकडाउन (कुल या आंशिक) की दृष्टि में इस अधिसूचना के उपबंधों के अधीन मंजूर संदर्भ की शर्तों की विधिमान्यता की अवधि की गणना के प्रयोजन के लिए विचार नहीं किया जाएगा, तथापि उक्त संदर्भ की शर्तों के संबंध में इस अवधि के दौरान अपनाए गए सभी क्रियाकलाप विधिमान्य समझे जाएंगे।";

(ii) पैरा 9 क के स्थान पर, निम्नलिखित पैरा रखा जाएगा, अर्थात्:-

"9 क. इस अधिसूचना में अंतर्विष्ट किसी बात के होते हुए, 1 अप्रैल 2020 से 31 मार्च 2021 की अवधि में कोरोना वायरस (कोविड-19) के प्रकोप को देखते हुए और तत्पश्चात इसके नियंत्रण के लिए घोषित लॉकडाउन (कुल या आंशिक) की दृष्टि में इस अधिसूचना के उपबंधों के अधीन मंजूर पूर्व पर्यावरणीय अनापत्ति की विधिमान्यता की अवधि की गणना के प्रयोजन के लिए विचार नहीं किया जाएगा, तथापि उक्त पर्यावरणीय अनापत्ति के संबंध में इस अवधि के दौरान अपनाए गए सभी क्रियाकलाप विधिमान्य समझे जाएंगे।";

[फा. सं. 22-25/2020-आई.ए. III]

गीता मेनन, संयुक्त सचिव

टिप्पण : मूल अधिसूचना भारत के राजपत्र, असाधारण, भाग II, खंड 3, उप-खंड (ii) संख्या का.आ. 1533 (अ), तारीख 14 सितंबर, 2006 द्वारा प्रकाशित की गई थी और अधिसूचना अधिसूचना संख्या का.आ. 4254 (अ), तारीख 27 नवंबर, 2020 द्वारा अंतिम बार संशोधन किया गया था।

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

NOTIFICATION

New Delhi, the 18th January, 2021

S.O. 221(E).—Whereas, the Central Government in the erstwhile Ministry of Environment and Forests, in exercise of its powers by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 has published the Environment Impact Assessment Notification, 2006 (hereinafter referred to as the said notification) vide number S.O.1533(E), dated the 14th September, 2006, making the requirement of prior environmental clearance from the concerned regulatory authority mandatory for all new projects or activities listed in the Schedule to the said notification, their expansion and modernisation and/or change in product mix, as the case may be, before any construction work or preparation of land by the project management except for securing the land;

And whereas, in view of the outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, implementation of projects or activities in the field has been affected. Ministry of

Environment, Forest and Climate Change is in receipt of number of requests for extension of the validity of prior environmental clearances beyond the maximum period allowed in the said notification, as the COVID-19 pandemic has not yet come to an end. The matter has been examined in the said Ministry and the concern is genuine keeping in view the fact that due to lockdowns (total or partial), continuation of activities in the field has been difficult.

Now, therefore, in exercise of the powers conferred by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986), read with sub-rule (4) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government, after having dispensed with the requirement of notice under clause (a) of sub-rule (3) of rule 5 of the said rules in public interest, hereby makes the following further amendments in the notification of Government of India, in the erstwhile Ministry of Environment and Forests, number S.O. 1533 (E), dated the 14th September, 2006, published in the Gazette of India, Extraordinary, Part-II, Section 3, Sub-section (II), namely:-

In the said notification, -

- (i) in paragraph 7, in sub-paragraph 7(i), under sub-heading II, "Stage (2) – Scoping", after clause (viii), the following clause shall be inserted, namely:-

"(ix). Notwithstanding anything contained above, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Terms of Reference granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the said Terms of Reference shall be treated as valid."

- (ii) for paragraph 9A, the following paragraph shall be substituted namely:-

"9A. Notwithstanding anything contained in this notification, the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid."

[F.No.22-25/2020-IA.III]

GEETA MENON, Joint Secy.

Note: The principal notification was published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii) vide number S.O. 1533 (E), dated the 14th September, 2006 and was last amended vide the notification number S.O. 4254(E), dated the 27th November, 2020.

F. No.J-11011/491/2011-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division

Indira Paryavaran Bhawan
Jor Bagh Road, N Delhi - 3
Dated: 9th May, 2019

To,

M/s Essar Oil & Gas Exploration and Production Ltd
Khambhailia, Post Box No.24,
Jamnagar - 5 (Gujarat)

Sub: Development & Production Wells along with Surface Facilities, Phase-III of CBM Block RG(E)-CBM-2001/1, Raniganj CBM Block, West Bengal by M/s Essar Oil & Gas Exploration and Production Ltd - Amendment and Extension of Validity of Environmental Clearance - reg.

Sir,

This refers to your online proposal No.IA/WB/IND2/83627/2013 dated 26th October, 2018 for amendment and extension of validity of the environmental clearance dated 26th February, 2013 granted by the Ministry in favour of M/s Essar Oil Ltd (E&P Division) for the project 'Development & Production Wells along with Surface Facilities', Phase-III of CBM Block RG(E)-CBM-2001/1' at Raniganj CBM Block in West Bengal. The said environmental clearance was transferred in the name of M/s Essar Oil & Gas Exploration and Production Ltd on 27th November, 2017.

2. The proposal has been submitted for extension of validity of the said environmental clearance for a period of 3 years, and also amendment therein, with the details as under:-

| S. No. | Para of EC | Details as per the EC | To be revised/ read as |
|--------|------------|-----------------------------------|--|
| 1 | 2 (i) | Total no. of wells - 650 nos | Out of total 650 wells, 20 wells proposed for exploration of shale gas. |
| 2 | 2 (i) | With the target depth of ~ 2000 m | With the target depth of ~ 2000 m of CBM wells and ~3000 m of Shale Gas Well |

3. The proposal was considered by the Expert Appraisal Committee (Industry-2) in the Ministry in its meeting held on 29-31 January, 2019. The Committee has recommended for the proposed amendment as above, and also extension of validity of the environmental clearance for a period of three years i.e. up to 26th February, 2023.

4. Based on recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendment in the environmental clearance dated 26th February, 2013, and extension of its validity for a period of three years i.e. up to 26th February, 2023.

5. All other terms and conditions stipulated in the environmental clearance dated 26th February, 2013 shall remain unchanged.

SKS
9/5/2019
(S K Srivastava)
Scientist E