

**Minutes of the thirty third meeting of the reconstituted State Level Expert Appraisal Committee,
West Bengal held on 23.02.2022 at 2:00 p.m. at the Conference Room, Paribesh Bhawan,
Bidhannagar.**

Name of the members who were present in the meeting are as follows: -

1)	Roshni Sen, IAS	Secretary, SEAC	Present
2)	Dr. Ashit Kumar Mukherjee	Chairman, SEAC	Present
3)	Dr. Nilangshu Bhusan Basu	Member, SEAC	Present
4)	Dr. Anirban Gupta	Member, SEAC	Present
5)	Dr. Pradip Kumar Sikdar	Member, SEAC	Present
6)	Prof. (Dr.) Aniruddha Mukhopadhyay	Member, SEAC	Present
7)	Dr. Goutam Kumar Saha	Member, SEAC	Present
8)	Prof. (Dr.) Sampa Chakrabarti	Member, SEAC	Present through VC
9)	Prof. (Dr.) Suchandra Bardhan	Member, SEAC	Present through VC
10)	Dr. Indranath Sinha	Member, SEAC	Present through VC
11)	Shri Shubhendu Bandyopadhyay	Member, SEAC	Present through VC

The 33rd meeting of the reconstituted State Expert Appraisal Committee (SEAC), was held on 23.02.2022 at 2:00 p.m. through both physical and online modes in the Conference Room at Paribesh Bhawan, Bidhan Nagar. At the outset, the Secretary, SEAC welcomed all the members. After the introductory session, the technical presentation was made by applicant. Two cases were placed for reconsideration were discussed and one case was discussed under 'Miscellaneous' section.

The meeting regarding preparation and appraisal of District Survey Report (DSR) placed under miscellaneous section was attended by Shri Samik Panigrahi, Deputy Secretary, Dept. of Industry, Commerce & Enterprises, Govt. of West Bengal for presentation of DSRs of sand mining cases.

A. Note on Technical presentations :-

For Environmental Clearance

Construction Sector

- 1. Proposed Residential Complex by Indian Craft Village Trust at Plot No. AF-II, Premises No. 04-0030, New Town, Action Area – I, New Town Kolkata Development Authority (NKDA), Dist – North 24 Parganas, West Bengal. (Proposal No. SIA/WB/MIS/254728/2022). Name of the Environmental Consultant is M/s. Centre for Sustainable Development.**

Activity:

- This is a fresh proposal for construction of Residential Complex comprising total 6 No. blocks.
 - 5 Residential Blocks = 4 nos. G+11 storied and 1 no. G+7 storied
 - 1 no. Club – G+2 storied

Total Built up area of the project is 62731.21 sqm. on a land area of 27982.72 sqm. Total No. of Flats 400 nos.

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Chronology of the event:

- Salient features of the proposed project as uploaded in the PARIVESH portal are –

Total Land area	27982.72 sq.m.
No. of blocks	4 Residential blocks - G+11 storied 1 Residential block - G+7 storied 1 Facility block – G+2 storied Combined common basement below all the blocks
Block usage	Blocks – A, B, C, D, E – residential Facility Block- club & amenities
No. of Flats	400 flats
Expected Population	Residents - 2292 persons Residential Floating - 458 persons Service staff - 50 persons Total - 2800 persons
Latitude & Longitude of site	22°58'43. 65"N & 88°44'62.56"E
Total Built-up area	62731.21 sq.m
Ground Floor Plinth Area	9862.92 sq.m (35.25% of Land Area)
Service Area	1352.28 sq.m (4.83% of Land Area)
Road Area	8160.81 sq.m (29.16% of Land Area)
Grass Paver Area	2995.07 sq.m (10.70% of Land Area)
Green Plantation Area	5611.64 sq.m (20.05% of Land Area)
Source of Water	WBHIDCO
Total Water Requirement (Operation Stage)	332 kLD
Freshwater Requirement	332 kLD
Wastewater Generated	237 kLD
Roof Top Rainwater Reused	8 kLD
Wastewater Discharged	237 kLD (to be treated in centralised STP of NKDA)
Solid Waste Disposal	1.17 tonnes/day
Electricity (Demand Load)	1804 KVA by WBSEDCL
D.G. Sets for Back Up power	2 nos. 500 KVA
Parking Provided	524 nos. (Basement – 248, mechanical – 92, ground floor covered – 129, open - 55)
Total no. of trees	374 nos.
Total project cost (Rs.)	Rs. 102.00 crore

- The project proponent presented their proposal in the 33rd reconstituted SEAC meeting held on 23.02.2022 and based on the submission and presentation made by the project proponent, the committee recommended that the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration: -
 - It is observed that the brief summary of the project uploaded in the portal corresponds to Developer – PGE Infosolutions Pvt. Ltd. & Others for proposed expansion of Residential at Khan Road, Mankundu, Dist – Hooghly. Necessary clarification in this regard to be provided.
 - Comparison of the total salient features of the project comprising of residential, commercial and total aspects as per the sanction plan (**Annexure – 1**).
 - The depth of recharge pits should be staggered and recharge to be made in medium to coarse sand layer. Recharge pits should be in the green area. Revised design to be submitted.

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- iv. Revised EMP as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 to be submitted. Items like hand washing station, toilet facility with running water, school infrastructure including incinerator for used sanitary napkins in case of girls' schools, provision for sufficient service water supply and treatment of drinking water, training on environmental awareness including MSW segregation etc. in nearby schools to be considered. Computer literacy training for the local youth may also be considered. Budget for EMP should also comply with the stipulated fraction of the project cost; budget break-up should also be provided. The EMP should be for this particular project- general CER/ CSR activities of the proponent will not be considered. The specific need of the local people should be explored (evidence required) and EMP should be proposed based on that need.
- v. Revised water requirement along with water balance considering swimming pool and yard washing both for monsoon and non-monsoon season.
- vi. Impact on ground water flow due to construction of basement – studies to be submitted in this regard.
- vii. Basement drainage plan to be submitted. It should be ensured that during the rainy season, the basement is not flooded/ waterlogged.
- viii. Provide High Rise Building related following environmental documents as per MoEF&CC, vide No. 21-270/2008-IA.III dated 07.02.2012:
 - a) Microclimate (sunshine & shadow analysis and its effect on energy consumption).
 - b) Air circulation (effect on natural ventilation and wind speed). How it is effecting the energy consumption?
 - c) Day lighting (how dependence on artificial lighting during daytime is affected).
- ix. Details of solar power plant including PV array to be installed. Area of rooftop to be provided.
- x. Inlet and outlet of rainwater storage tank to recharge pits to be shown. Revised diagram in this regard to be submitted. Purpose and function of two rainwater storage tanks should be clarified.
- xi. Water meter (with totalizer) to be installed at freshwater inlet and wastewater outlet from the premises. Detailed plan in this regard to be submitted.
- xii. Permission from WBHIDCO for supply of water during construction and operational phases. Use of harvested rain water from roof top.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries through “PARIVESH” portal.

B. Reconsideration proposals

Construction Sector

- 1) Proposed Indian Craft Village Trust (ICVT) by M/s. Indian Craft Village Trust at Premises No. 04-0030, Plot No. AF-II, Mouza – Mahisgot, JL No. 20 under Mahishbathan – II GP, New Town, Rajarhat, North 24 Parganas, West Bengal. (Proposal No. SIA/WB/MIS/90006/2018) Name of the Environmental Consultant is M/s. Ghosh, Bose & Associates Pvt. Ltd.

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Activity:

- This is proposal for construction of 4 nos. blocks of B+G+11 storied, 1 no. block of B+G+7 storied and 1 no. block of B+G+2 storied Residential buildings. 1 no. block of B+G+8 storied assembly block will also be constructed. Total built up area is 1,07,425.98 sqm. and land area of 27,982.72 sqm.

Chronology of the event:

- It is observed that there are two simultaneous applications of M/s. Indian Craft Village Trust at Premises No. 04-0030, Plot No. AF-II, Mouza – Mahisgot, JL No. 20 under Mahishbathan – II GP, New Town, Rajarhat, North 24 Parganas, West Bengal in the portal. This particular application had obtained stipulated conditions for EC. However, the project proponent had submitted a fresh application for EC along with sanction plan and other related documents which has been considered by SEAC in the present meeting.

Considering the above, the SEAC recommended that the application having Proposal No. SIA/WB/MIS/90006/2018 shall be recommended to SEIAA for delisting.

Industry Sector

- 2) Proposed Berada Quartz Mine project (Area – 1.092 Ha.) by M/s. Kalkons at Plot No. 2860, 2855(P), 2857, 2858, JL No. 104, Mouza – Berada, Block – Barabazar, Dist – Purulia, West Bengal. (Proposal No. SIA/WB/MIN/187407/2020) Name of the Environmental Consultant is M/s. RSP Green Development and Laboratories Pvt. Ltd.**

Activity:

- This is a proposal for Berada Quartz Mine project (Area – 1.092 Ha.) project of capacity 19403.54 MT/year at Plot No.2860, 2855(P), 2857, 2858, JL No. 104, Mouza – Berada, Block – Barabazar, Dist – Purulia, West Bengal.

Chronology of the event:

- Salient features of the project is -
 - i. This is proposal for Environmental Clearance for Berada Quartz Mine project having proposed lease area of 2.70 acres or 1.092 Ha. at 2860, 2855(P), 2857, 2858, JL No. 104, Mouza – Berada, Block & PS – Barabazar, Dist – Purulia, West Bengal. Latitude - 22°59'54.515"N to 22°59'58.825"N, Longitude - 86°14'38.605"E to 86°14'37.391"E.
 - ii. As per LOI the proposed area of mining was 2.13 Acres (0.862 Hectare). Subsequently, an area of 0.57 Acre (0.230 Hectare) adjacent to the above-mentioned area was also considered by the District Magistrate and Collector, Purulia for mining associated activities and its inclusion in the mining lease. Thus, total project area comes to 2.70 Acres (1.092 Hectare). However, extraction of mineral will be limited within the said area of 2.13 Acres (0.862 Hectare).
 - iii. A total resource upto 10 mtr. below ground level (excluding 1.0 mtr OB) is being estimated as 159646.76 MT.
 - iv. Mining plan for the project was approved by the Chief Mining Officer, Govt. of West Bengal, under vide Memo No. 272/CMO dated 13.10.2020.
- The SEAC recommended Environmental Clearance for the proposed project in the 18th reconstituted SEAC meeting held on 28.07.2021 and forwarded the proposal to SEIAA on 09.08.2021. The SEIAA considered the proposal in their 33rd meeting held on 09.09.2021 and refer back the proposal to SEAC for reappraisal on the basis of the points mentioned below:-

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- i. The Letter of Intent issued by Govt. of West Bengal vide Memo No. VI/1557(1)/3026/M/2017 dated 20.07.2018 specifies the said project under 'Minor Minerals' category. As per the MoE&CC Notification no. S.O.141(E) dated 15.01.2016 'District Survey Report (DSR) shall form the basis for application of Environmental Clearance, preparation of reports and appraisal of projects'. No DSR has been submitted along with the application.
 - ii. The project proponent has mentioned that they would provide 0.070 Ha. (around 6.41% of the total lease area) as plantation area. However, as per recommendation of SEAC on green belt 'the project proponent shall develop greenbelt in 7.5 mt. wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan'.
 - iii. The greenbelt area percentage will be 30-33% of the total lease area as committed by the project proponent vide their letter vide no. RSP/ADMIN/20-21/035 dated 06.08.2021.
- The letter of SEIAA vide No.1579/EN/T-II-1/049/2021 dated 10.09.2021 was considered in the 22nd reconstituted SEAC meeting held on 07.10.2021 and the committee recommended that the project proponent should submit detailed reply to the above mentioned queries.
 - The project proponent had submitted reply on 30.10.2021 in PARIVESH Portal, which was considered in the 24th reconstituted SEAC meeting held on 17.11.2021.
 - The SEAC observed that the DSR has already been uploaded in Purulia District portal. The SEAC also considered the reply submitted by the project proponent along-with the queries raised by SEIAA and decided that the project proponent shall submit the following documents:-
 - 1) A comprehensive conservation plan to be prepared in consultation with the Dept. of Forests, if the project area is within movement corridor/occasionally visited by any Schedule 1 animal as per Wildlife Protection Act, 1972. A relevant certificate has to be procured from DFO, Purulia to affirm or negate the point for submission.
 - 2) Detailed plantation plan mentioning the type of trees, name of species, numbers and spacing to be submitted.
 - 3) Clarification regarding plot no. as mentioned in DSR uploaded in Purulia District Portal for the proposed project is not matching with the same as given in EC application.
 - The project proponent had submitted reply on 18.02.2022 in PARIVESH Portal, which was considered by the SEAC in the 33rd meeting held on 23.02.2022. The SEAC scrutinized the documents submitted by the project proponent in the meeting and after careful consideration of the reply, the committee observed that the project proponent has not submitted any satisfactory documents/reply/clarifications.
 - Regards to Point No. 2, it is observed that the tree spacing has not been provided. Also the survival rate of the plantation is estimated around 15% which is very poor.

A time bound progressive green belt development plan may be prepared and followed indicating quantitative coverage, plant species, spacing and time frame. A schematic planting prescription for an area of one Ha. is annexed as **Annexure 2**.
 - Clarification with regards to Point No. 3 has not been provided.
- Hence it was decided that the project proponent should submit the proper and specific reply to the queries for further consideration of their proposal as per the approved DSR.

The SEAC will further consider the case on submission of satisfactory reply through "PARIVESH" portal.

C. Miscellaneous

1. Discussion on DSRs of following five (05) districts received from the Dept. of Industry, Commerce & Enterprises and forwarded by the Member Secretary, SEIAA, WB.

- a) Bankura,
- b) Jhargram,
- c) Alipurduar,
- d) Jalpaiguri,
- e) Darjeeling.

Shri Samik Panigrahi, Deputy Secretary, Dept. of Industry, Commerce & Enterprises, Govt. of West Bengal along with the Environmental Consultants engaged for preparation of DSRs attended the meeting. The DSR of the districts Purba Bardhaman, Paschim Bardhaman, Murshidabad, Purulia and Uttar Dinajpur were appraised in the 28th meeting held on 08.01.2022. Shri Joydeep Banerjee, Environmental Consultant presented the revised version of the DSR of Uttar Dinajpur district incorporating the reply to the queries raised by the SEAC members.

After threadbare discussion, the following recommendations were suggested by the SEAC members :

- i) One hydrograph station per block to be provided.
- ii) Photographs the actual survey being done given should be explained.
- iii) Replenishment study on a yearly basis should be done.
- iv) Block wise field study report.
- v) River wise sample collection study.
- vi) The mineable reserve needs to be furnished. Actual and potential reserve should be given so that the DSR may be used as future reference.
- vii) Proposed reserve should be given in terms of volume instead of area. The block-wise volume data needs to be provided.
- viii) Eco-sensitive zones should be clearly mentioned in details. Biodiversity monitoring committee to be consulted in this regard.
- ix) Date of secondary data used should be mentioned.
- x) The units mentioned in the DSR should be properly corrected and revised.
- xi) General comments on the DSRs for Purba Bardhaman, Paschim Bardhaman, Murshidabad, Purulia and Uttar Dinajpur made in the 28th meeting held on 08.01.2022, should be addressed in case of all the DSRs.
- xii) Care should be taken for the citation in the text and reference list as well as on the sample calculations. Sample calculation need to be furnished along with the units which are missing.
- xiii) Details of cluster and contiguous clusters as per Annexures III& VI (as per E&MGSM-2020) may be incorporated in Tabular form.
- xiv) Status of biodiversity present in the concerned district.
- xv) Biodiversity assessment and conservation measures should be included as a separate chapter in the DSR.
- xvi) The particular pit depth needs to be provided in the report. Depth of mining needs to be furnished.
- xvii) Pit structure along with its geological location and date needs to be furnished.
- xviii) Erosion and aggradation data needs to be incorporated in the report. The satellite imagery available in 20 years gap may be compared.

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- xix) The river names have to be arranged sequentially in all the relevant tables.
- xx) The procedure for calculating the depth of the mine has to be elaborated in the report.
- xxi) Depth of mining should be in accordance with the depth of water level of that zone and also should be in accordance with the hydrographs.
- xxii) IBM rules and regulations are to be followed.
- xxiii) Impact of river bed mining may be elaborated.
- xxiv) According to the nearest station of each river, the Hydrograph Monitoring system needs to be updated in the report.
- xxv) The areas of sensitivity need to be furnished in the report.
- xxvi) The report is to be send to the District Verification Board for the sensitive area verification.
- xxvii) Provide the certificate from Biodiversity Monitoring Committee.
- xxviii) Citations for the data provided such as source, date of publication etc. need to be provided.
- xxix) Reference for the data furnished need to be given (not only for tables and figures).

It was decided that the DSR of Uttar Dinajpur will have to be further revised incorporating all the suggestions raised and deliberated upon by the SEAC members during the meeting.

The DSRs of Bankura, Jhargram, Alipurduar, Jalpaiguri and Darjeeling districts were discussed at length. It was mentioned that all the DSRs for the other districts will have to be revised accordingly in the same manner as suggested for Uttar Dinajpur District. The DSRs prepared by the individual consultants shall be submitted to the Dept. of Industry, Commerce & Enterprises, Govt. of West Bengal who shall verify and in turn submit the proposals to SEAC for their appraisal process and will be taken up in the next SEAC meeting.

Table-1 : List of the projects which were placed before the reconstituted SEAC in the thirty third meeting held on 23.02.2022 and the Summary Decisions thereof:

Sl. No.	Name of the unit & Project address	Summary Decision
A. Cases for Technical Presentation		
Construction Sector		
1.	Indian Craft Village Trust Proposed Residential Complex at Plot No. AF-II, Premises No. 04-0030, New Town, Action Area – I, New Town Kolkata Development Authority (NKDA), Dist – North 24 Parganas, West Bengal. (Proposal No. SIA/WB/MIS/254728/2022)	Asked for additional submission
B. Cases placed for reconsideration		
1.	Indian Craft Village Trust Proposed Residential Complex at Plot No. AF-II, Premises No. 04-0030, New Town, Action Area – I, New Town Kolkata Development Authority (NKDA), Dist – North 24 Parganas, West Bengal. (Proposal No. SIA/WB/MIS/90006/2018)	Forwarded to SEIAA for delisting
Industry Sector		
2.	M/s. Kalkons Proposed Berada Quartz Mine project (Area – 1.092 Ha.) at Plot No. 2860, 2855(P), 2857, 2858, JL No. 104, Mouza – Berada, Block – Barabazar, Dist – Purulia, West Bengal. (Proposal No. SIA/WB/MIN/187407/2020)	Asked for additional submission

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Sl. No.	Name of the unit & Project address	Summary Decision
C. Miscellaneous		
1.	Discussion on DSRs of following five (05) districts received from the Dept. of Industry, Commerce & Enterprises and forwarded by the Member Secretary, SEIAA, WB. a) Bankura, b) Jhargram, c) Alipurduar, d) Jalpaiguri, e) Darjeeling.	Asked for additional submission

The meeting ended with a vote of thanks to and from the Chair.

Sd/-

Sd/-

(Dr. Ashit Kumar Mukherjee)
Chairman
State Expert Appraisal Committee, West Bengal

(Dr. Nilangshu Bhusan Basu)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

Sd/-

(Dr. Pradip Kumar Sikdar)
Member
State Expert Appraisal Committee, West Bengal

(Prof. (Dr.) Aniruddha Mukhopadhyay)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

Sd/-

(Dr. Anirban Gupta)
Member
State Expert Appraisal Committee, West Bengal

(Prof. (Dr.) Sampa Chakrabarti)
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(Dr. Goutam Kumar Saha)
Member
State Expert Appraisal Committee, West Bengal

(Shri Shubhendu Bandyopadhyay)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

(Roshni Sen, IAS)
Secretary
State Expert Appraisal Committee, West Bengal

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Annexure – 1

Land Area	
Block details	
Nos. of flats	
Expected Population (as per NBC, 2016)	
Total Water requirement (as per NBC, 2016)	
Fresh Water requirement	
Wastewater generated	
Wastewater recycled	
Wastewater discharged	
Solid waste generation & disposal (as per NBC, 2016)	
Total Built-up Area	
Complete Area Statement along with percentage of the total land area adding upto 100%	
1. Ground Coverage with percentage of the total land area	
2. Service Area with percentage of the total land area	
3. Waterbody Area (if any), with percentage of the total land area	
4. Exclusive Tree Plantation Area with percentage of the total land area	
5. Other Green Area with percentage of the total land area	
6. Total Paved Area with percentage of the total land area	
7. Area for services	
8. Other area, if any.	
Peak power demand load for the project	
Solar power plant generation in KW & % of the connected load	
No. of Parking spaces proposed	
No. of Trees proposed	
Backup Power	
Project Cost (Rs.)	

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Annexure – 2

A planting prescription for an area of one Ha having scanty rainfall.

Objectives:

1. To create greeneries where there was no tree cover
2. To increase soil quality and organic carbon levels into soil
3. To fight climate concerns and increase carbon capture
4. To buffer noise and dust

Prescription for a model plantation per Ha:

Items of works	Nos/rmt	Time	CFCB guidelines	Mandays
A) ADVANCE SOIL WORKS				
1. Digging cattle proof trenches of size 90+60/2*45*45 in cms along periphery	850	Feb-March		3.00
2. Digging short trenches of size 45+30/2*30*30 in cms along the contour/across the slope at a spacing of 5.0 mtr	2000	Feb-March		4.00
3. Digging pits of size 45+30/2*45*45 in cms at a spacing of 2.5mtr	1500 nos	Feb-March		50.00
B) Planting Operations				
1) Filling up short trenches with dug up earth	2000	May		5.00
2) Sowing seeds of Babla seeds on the berm of Cattle proof trenches	850	JUNE		2.00
3) Sowing seeds of Akashmoni seeds and Napier grass seeds over the alternate filled up short trenches	2000	June		5.00
4) Collection of seedlings from a nursery including carriage from nursery Akashmoni 1000 Chhatiwan..... 400 Mahul..... 200 Neem.....200 Segun..... 100 Tamarind..... 100	2000	June	A2, A10, A36, A44, M2, T2 and T4	
5) Collection of dry cow dung manure or compost manure including pulverizing and mixing with dug up earth of pits and filling up the pits	1500	June		50.00
6) Planting the seedlings in the pits by making a crowbar hole after removal of poly pots/hycopots, at the onset of rains	1500	June-August		20.00
7) In filling vacancies by beating up casualties	300	August		10.00
8) 1st Mulching with Fertiliser N.P.K(10:26:26) around the seedlings after a fortnight from the date of planting	1500	Aug-Sept		16.00
9) 2nd Mulching around the plant	1500	Sept -Oct		12.00
10) 3rd Mulching around the plant	1500	Dec-Jan next		12.00
11) Watch and ward	1500	July -March next		18.00
Maintenance 1st year				
(1) Watch and ward	1500	To be continued for the next five Year		35.00

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(2) In filling vacancies with onset of rains including collection of seedlings	200	July next		5.00
(3) Mulching 1 st around the seedlings	1500	Aug next		12.00
(4) Mulching 2 nd around the seedlings	1500	Oct next		12.00
Maintenance 2nd year				
(1) Watch and ward	1500	To be continued for next to next five year		35.00
(2) Mulching 1 st around the seedlings	1500	Sept		12.00
Maintenance 3rd year				
1) Watch and ward	1500	For the entire 3 rd year of planting		35.00

Total mandays generated 353 mandays @ Rs 268.00 per day = Rs 94604.00

Total cost of seedlings 2000nos @ Rs 50.00 each

including carriage..... = Rs 100000.00

Cost of seedsAkashmoni seeds 20kg..... = Rs 2400.00

Babul seeds 20kg..... = Rs 2000.00

Napier grass seeds..... Rs 8496.00

Cost of fertiliserN.P.K.10:26:26.....= Rs 25000.00

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Cost of raising plantation per ha upto 3rd year maintenance Rs 2,10000.00