

File No: J-11011/758/2009-IA-II(IND-I)

Government of India Ministry of Environment, Forest and Climate Change IA Division



Date 02/05/2024



To,

M/s. BRAVO SPONGE IRON PRIVATE LIMITED

BRAVO SPONGE IRON PRIVATE LIMITED, VILLAGE: MAHUDA, P.O: RUKNI, DISTRICT:

PURULIA, WEST BENGAL - 723145 Email: bravomoef@shakambharigroup.in

Subject:

Expansion of Sponge Iron Plant for Production of 2.1555 Million Tons Per Annum Crude Steel/Stainless Steel, 0.160704 Million Tons Per Annum Ferro-Alloys (maximum) and 2x1MTPA Cement Plant (Grinding Unit) along with allied facilities by M/s Bravo Sponge Iron Pvt. Ltd., located at Village- Mahuda, P.O.- Rukni, District: Purulia, West Bengal-Grant of Environmental Clearance under the provisions EIA Notification, 2006 -regarding.

Sir/Madam,

This refers to your proposal no IA/WB/IND1/451482/2023 dated 08.12.2023 along with copy of EIA report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. Further, the PP has uploaded the information on portal on 29.02.2024.

2. The particulars of the proposal are as below:

(i) EC Identification No. EC23A1001WB5657490N (ii) File No. J-11011/758/2009-IA-II(IND-I)

(iii) Clearance Type Fresh EC

(iv) Category A

(v) **Project/Activity Included Schedule No.** 3(a) Metallurgical Industries (ferrous and non ferrous),3(b) Cement plants ,1(d) Thermal Power

Plants,4(b) Coke oven plants

(vi) Sector Industrial Projects - 1
Expansion of Sponge Iron Plant for Production of

2.1555 Million Tons Per Annum Crude

(vii) Name of Project Steel/Stainless Steel, 0.160704 Million Tons Per

Annum Ferro-Alloys (maximum) and 2x1MTPA Cement Plant (Grinding Unit) along with allied facilities by M/s Bravo Sponge Iron Pvt. Ltd. at

Village- Mahuda, P.O.- Rukni, District: Purulia,

West Bengal.

(viii) Name of Company/Organization BRAVO SPONGE IRON PRIVATE LIMITED

(ix) Location of Project (District, State) PURULIA, WEST BENGAL

(x) Issuing Authority MoEF&CC

(xi) Applicability of General Conditions as per No

EIA Notification, 2006

3. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered schedule S. No. 3(a) Metallurgical Industries (ferrous & non-ferrous)), 1(d) Thermal power plant, 3(b) Cement Plants and 4(b) Coke Oven Plant under Category "A" of the schedule of the EIA Notification, 2006 and being appraised at Central Level.

- 4. The proposal was initially considered by the EAC in its meeting held during **2nd 4th January**, **2024** wherein the proposal was deferred. Based on the information submitted by PP the proposal was again re-considered in the 53nd meeting of the EAC for Industry-I sector held during **12th -14th February**, **2024**, wherein the Committee, after detailed deliberations, **recommended** the proposal. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at https://parivesh.nic.in.
- 5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are given at **Annexure 1**, Unit configuration and capacity are given at **Annexure II**.
- 6. The EAC, in its meeting held during 12th to 14th February, 2024, inter-alia, deliberated the following:
- (i) The instant proposal is for the expansion of existing steel plant for production of 2.1555 Million Tons Per Annum Crude Steel/Stainless Steel, 0.160704 Million Tons Per Annum Ferro-Alloys (maximum) and 2x1MTPA Cement Plant (Grinding Unit) along with allied facilities.
- (ii) M/S BSIPL started manufacturing sponge iron in the year of 2003 after obtaining Consent to Establish (CTE) from West Bengal Pollution Control Board (WBPCB) on 5th February, 2003 for installation of 1x100TPD DRI Kiln. Subsequently, the plant installed another 1x95TPD DRI Kiln after obtaining Environment Clearance (EC) from State Environment Impact Assessment Authority (SEIAA), West Bengal on 24th March, 2008, under the management of Bhalotia Group, Jamshedpur. BSIPL was taken over by Shakambhari Group in the year 2015 and thereafter, the company obtained EC from MoEF&CC vide F.No. J-11011/758/2009-IA.II(I) on 18th April, 2017 for expansion of sponge iron plant from 195 TPD to 395 TPD, installation of 600 TPD Billet Manufacturing unit and Rolling Mill of capacity 600 TPD along with Captive Power Plant 18MW (AFBC 10MW + WHRB 8MW). Further, the company obtained another EC from MoEF&CC vide F.No. 11011/758/2009-IA.II(I) dated on 05th November 2020 for the expansion of the steel plant by installation of 2x0.85MTPA Pellet Plant, additional 1x350TPD Sponge Iron Plant, 3x25Ton Induction Furnaces, 12x4000Nm³/hr. Producer Gas Plant, capacity revision of Rolling Mill from 600TPD to 1000TPD along with 7MW additional power generation from Waste Heat Recovery Boilers. Consent to Operate for the existing unit was accorded by West Bengal State Pollution Control Board vide Memo No. 294-WPBA/ Red (Prl)/ Cont(135)/ 04 Part-I dt. 08.12.2021, Memo No. 894-WPBA/ Red (Prl)/ Cont(135)/ 04 Part-II dt. 23.12.2021, and Memo No: 491-WPBA/ Red (Prl)/Cont (135)/04 Part-II dt. 22.12.2022. The validity of CTOs is up to 31.12.2026.
- (iii) The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
- (iv) The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the

EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

- (v) The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
- (vi) The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
- (vii) The total plant area after the proposed expansion will be 154.73Ha. (382.35Acres) [Private: 95.89 Ha, Govt. Land: 58.85Ha.]. The existing plant area is 31.73 ha. Additional 123 ha area is proposed for the expansion project. It is reported that out of the total land of 154.73 ha., 96.52 Ha of land has been acquired and the rest 58.21 Ha of land is under the process of acquisition through LTS from Government of West Bengal. Accordingly, inspection was completed on 08.01.24 jointly by various departments of Government of West Bengal. Based on this inspection, District Magistrate, Purulia has recommended LTS for total 303.94Acres (123Ha) of land vide lr. Memo No. 697/DIC/PPL/2023-24 dated 10.01.2024 in favor of M/s Bravo Sponge Iron Pvt Ltd. This 303.94 Acres (123.0Ha), includes 58.21Ha of Govt. vested land and 64.79Ha land under possession of the company. The EAC deliberated on the District Magistrate, Purulia lr. Memo No. 697/DIC/PPL/2023-24 dated 10.01.2024 in favour of M/s Bravo Sponge Iron Pvt Ltd and is of the opinion that PP shall complete the land acquisition and conversion for industrial purpose prior to commencement of expansion project. Divisional Forest Officer, Kangsabati North Division, Purulia, Vide letter no. 1723/8 dated 26.09.2023 has stated that no forest land is involved in the project site.
- (viii) Mahuda Village (0.01.km, E), Kashberiya Village (0.25 km, SE), Rukni Village (0.5 km), and School is at 0.13 km along with other sensitive areas within the study area of the project site. The EAC is of the opinion that PP shall prepare and strictly implement the environmental safeguard measures to minimise the impact of the project activities on these sensitive areas.
- (ix) Kumra Jora Nala is at 0.03 km in the West along with other water bodies within the study area of the project site. The EAC is of the opinion that the water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and implemented.
- (x) The water requirement after proposed expansion is estimated as 20,740 m³/day which will be met from DVC. The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permissions from the Competent Authority in this regard.
- (xi) The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and found it satisfactory.
- (xii) It is reported that there are 9 numbers of Schedule I Species (Indian Grey Mongoose (Urva edwardsi), Indian Porcupine (Hystrix indica), Jungle Cat (Felis chaus), Bengal Fox (Vulpus benghalensis), Russel's Viper (Daboia siamensis), Monitor Lizard (Varanus brngalensis), Indian Cobra (Naja naja), Common Rat Snake (Ptyas mucosus), and Eurasian Eagle Owl (Bubo bubo)) are found within the 10km study area. Wildlife Conservation Plan (WLCP) having details of activities along with yearly budget for implementation of activities has been prepared for the conservation of the 9 schedule-I species found in the study area and been submitted to the Chief Wildlife Warden on 17.10.2023 for approval.

The EAC is of the view that PP shall obtain the approval and implement the action plan thoroughly.

- (xiii) The PP has submitted that existing green belt has been developed in 11.55Ha. area which is about 36.4% of the existing plant area of 31.73Ha with total sapling of 29,025trees. Proposed greenbelt will be developed in 52.14Ha which is about 33.7% of the total project area. Additional 111,446 no of trees will be planted in 3 years. After expansion a total of 140,471 no. of trees will be present in a total area of 52.14Ha. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that greenbelt shall be completed within a period of 2 years.
- (xiv) The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
- (xv) The Committee also deliberated on the public hearing issues along with action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.
- (xvi) The Committee deliberated on the ADS reply of the project proponent and found it satisfactory.
- (xvii) The Committee deliberated on the written submission of the project proponent and found it satisfactory.
- (xviii) The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
- (xix) The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
- (xx) The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.
- 7. The EAC, in its 53rd meeting of Expert Appraisal Committee (Industry-1 Sector) held during 12th–14th February, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the instant proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions as per the Ministry's Office Memorandum No. 22-34/2018-III dated 9/8/2018 based on project specific requirements.
- 8. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant Environment Clearance for instant proposal of M/s Bravo Sponge Iron Pvt. Ltd under the provisions of EIA Notification, 2006 subject to specific conditions and general conditions at Annexure III.

- 9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.
- 10. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
- 11. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 12. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- 13. This issues with approval of the competent authority.

(Dr. R. B. Lal) Scientist 'F'/ Director Tel: 011-20819346 Email-rb.lal@nic.in

Copy To

- 1. The Secretary, Department of Environment, Government of West Bengal, Secretariat Kolkata.
- 2. The Secretary, Department of Forests, Government of West Bengal, Kolkata.
- 3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
- 4. The Principal Chief Conservator of Forests, Government of West Bengal, Block LA, 10A Sector-III, Salt Lake City, Kolkata-700098.
- 5. The Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, IB-198, Sector-II, Salt Lake City, Kolkata 700106
- 6. The Member Secretary, Central Pollution Control Board, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110 032.
- 7. The Member Secretary, West Bengal State Pollution Control Board, Paribesh Bhawan, 10A- Block LA, Sector –III, Salt Lake City, Kolkata 700 098.
- 8. The Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi 110001
- 9. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
- 10. District Collector, Purulia District, West Bengal.
- 11. Guard File/Monitoring File/Website/Record File/ Parivesh Portal

(Dr. R. B. Lal) Scientist 'F'/ Director

Details of the proposal are as per the EIA/EMP report

| S. No | Particul ars | | | Details | | |
|----------------|--|--------------|--|--|--|--|
| <u>.</u> a. | Terms of Referen ce for | 14.05.2021 | and 02.03 | 3.2022 | | |
| 1 | undertak ing EIA study | 1.11 | 2021 . 21 | | | |
| b. | Period of baseline data | 1st March | 2021 to 31 | st May 2021 | | |
| | collectio n | | | | | |
| c. | Date of Public Consulta tion | 29.09.2023 | 30 | तः रधात ए | | |
| d. | Action plan to | | | d <mark>ur</mark> ing Public Hearing | marked for implement and need based activ | |
| | address the PH issues | | | l attached as Annexu | re IV. | |
| e. | address the PH issues Location of the | of activitie | s propos <mark>ec</mark> | d attached as Annexu O Rukni, District: Pu | | |
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| _ | | 18. | 23° 32' 55.538" N | 86° 32' 13.194" | Е | | | | | |
| | | 19. | 23° 32' 56.920" N | 86° 32' 10.134" | E | | | | | |
| | | 20. | 23° 32' 52.242" N | 86° 32' 9.131" | E | | | | | |
| | | 21. | 23° 32' 51.829" N | 86° 32' 5.620" | E | | | | | |
| | | 22. | 23° 32' 48.476" N | 86° 32' 5.704" | E | | | | | |
| | | 23. | 23° 32' 47.080" N | 86° 31' 57.331" | E | | | | | |
| | | 24. | 23° 32' 48.788" N | 86° 31' 55.581" | E | | | | | |
| | | 25. | 23° 32' 51.270" N | 86° 31' 53.161" | E | | | | | |
| | | 26. | 23° 32' 57.788" N | 86° 31' 45.158" | E | | | | | |
| | | 27. | 23° 33' 1.604" N | 86° 31' 43.912" | E | | | | | |
| | | 28. | 23° 33′ 5.244″ N | 86° 31' 44.179" | E | | | | | |
| | | 29. | 23° 33' 10.123" N | 86° 31' 41.336" | E | | | | | |
| | | 30. | 23° 33' 14.743" N | 86° 31' 44.038" | E | | | | | |
| | | 31. | 23° 33' 13.796" N | 86° 31' 40.023" | E | | | | | |
| | | 32. | 23° 33' 14.369" N | 86° 31' 37.919" | E | | | | | |
| g. | Total | 154.73Ha. (382.35 | | 0 , | | | | | | |
| | land Land | | n, Govt. Land: 58.85Hand of 154.73 ha., 96.5 | | | | | | | |
| \ | as per MoEF& CC O.M. dated 7/10/201 | Existence of Habitation | | | | | | | | |
| i. | Existenc e of habitatio | Project Site: Nil | | No. | | | | | | |
| i. | Existenc e of habitatio n & | | itation | Dir. | | | | | | |
| i. | Existenc e of habitatio | Project Site: Nil Study Area: Nearest Habita | itation Dist. | | | | | | | |
| i. | Existence of habitation & involve ment of R&R, if | Project Site: Nil Study Area: Nearest Habita Mahuda Village | tion Dist. 0.01kms | East | | | | | | |
| i. | Existenc e of habitatio n & involve ment of R&R, if any | Project Site: Nil Study Area: Nearest Habita Mahuda Village Kashberiya villag | tion Dist. 0.01kms | | | | | | | |
| | Existence of habitation & involve ment of R&R, if | Project Site: Nil Study Area: Nearest Habita Mahuda Village | tion Dist. 0.01kms | East | | | | | | |
| j. k. | Existence of habitation & involve ment of R&R, if any Elevation of the project | Project Site: Nil Study Area: Nearest Habita Mahuda Village Kashberiya village 190 m There is no forest 26.09.2023 obtain Division, Purulia, | tion Dist. 0.01kms | East SE the project, letter no Forest Officer, Ka | ngsabati North | | | | | |

| S. No | Particul ars | | D | etails | |
|----------|--|--------------------|---|---------------|--|
| • | exists | Study Area | | | |
| | within the | Water Body | Distance | Direction | |
| | project | Kumra Jora Nala | 0.03km | West | |
| | site as | Harai Nadi | 6.36km | SW | |
| | well as study | Damodar River | 8.0km | North | |
| | area | | | | I |
| m. | Existenc e of ESZ / ESA / national | Tiger Reserve/ | National Park/V Elephant Reserve and Protected Fo | e etc. within | tuary/ Biosphere Reserve/the study area. |
| | park / | There is no Res | serve Forest in the | e Study Area | |
| | wildlife Sanctuar | | • | | huda PF, Gobindapur PF, |
| | y / biospher e Reserve / tiger reserve / elephant reserve etc. if any within the study | Bamanbad PF, | Barashaliya PF, | Dandua PF, | etc. |
| n | area Project | Proposed – INR R | s 5650 Crores | 250 | |
| 11. | cost | Troposed It it it | 2020 210103 | 15, | |
| 0. | EMP cost | Type Proposed | Capital (Rs. in Cro 456 | | Recurring (Rs. in Crores) 12.293 |
| p. | Employ ment opportu nity | 4000 persons | 450 | | 12.273 |
| q. | Water and Power require ment | (Total)Water -20,7 | 40 KLD, Power | –369 MW | |



Unit configuration and capacity

| Sl | Plant | | Existing Facility as per the I | | | | 1 05.11.20 | 020 | | Proposed U | nits | Final (Exi | sting + |
|----|-------------------------------------|--|--------------------------------|-------------------------------------|-----------------------------|-------------------------|----------------|--|-----------------------------|--|---|--|---|
| No | Equipment / Facility | То | tal | Implem | ented | | n- nented | As per | СТО | | | Propos | sed) |
| | | Config | Capacity | Config | Capacity | Config | Capaci ty | Config | Capacity | Config | Capacity | Config | Capacity |
| 1. | Pellet Plant with Grinding Facility | 2 X 0.85 MTPA | 1,700,000 TPA | 2 X 0.85 MTPA | 1,700,000 TPA | I | | 2 X 0.85 MTPA | 1,700,000 TPA | | ł | 2 X 0.85 MTPA | 1,700,000 TPA |
| 2. | Producer Gas Plant | 12 x 4000 Nm3/hr | 48,000 Nm3/hr | 12 x 4000 Nm3/hr | 48,000 Nm3/hr | | | 12 x 4000 Nm3/hr | 48,000 Nm3/hr | A | | 12 x 4000 Nm3/hr | 48,000 Nm3/hr |
| 3. | Sponge Iron Plant | 3x100TPD + 1x95TPD + 1x350TPD | 260,500 TPA | 3x100TPD + 1x95TPD + 1x350TPD | 260,500 TPA | P. C. | I\ | 3x100TPD + 1x95TPD + 1x350TPD | 260,500 TPA | Additional production from existing DRI Kilns by Capacity revision of 1x95TPD DRI Kiln to 1x100TPD and capacity enhancement of all Kilns | 36,500 TPA | 4x100TPD+ 1x350TPD+ 8x600TPD | 2,197,800 TPA |
| | | 7 | | | | 1 | | | | Additional 8x600TPD DRI Kiln | 1,900,8 00 TPA | 5 | |
| | | | | | 7.5 | | | 3 | | Blast Furnaces: 1x450m³+ 1x650m³ | 1,309,0 00 TPA Hot Metal | Blast Furnace: 1x450m3+ 1x650m3 | 1,309,000 TPA Hot Metal |
| 4. | Blast Furnace | | , To | | 375 | Profi | cts 11 | She 15 | Project | Pig casting Machine: 1x1530 TPD +1x2200 TPD | 1 - | Pig casting Machine: 1x1530 TPD +1x2200 TPD | - |
| | | | | 200 | | ,0 | G | REE | N | Slag Granulation Plants 540 TPD & 775 TPD | | Slag Granulation Plants 540 TPD & 775 TPD | |
| 5. | Sinter Plant | | 1 | .0 | /- | | | | - | 2x130m ² | 2,475,2 00 TPA | 2x130m2 | 2,475,200 TPA |
| 6. | Ductile Iron Plant | | | 74 | | 3×P. | Эyrr | ients | | 750 TPD | 247,50 0 TPA | 750 TPD | 247,500 TPA |
| 7. | Coke Oven Plant | | | | | | | | | 3LTPA: 4batteries@ 17Ovens each 4LTPA: 4batteries@ 23Ovens each | 704,00 0 TPA | 3LTPA: 4batteries@ 17Ovens each 4LTPA: 4batteries@ 23Ovens each | 704,000 TPA |
| 8. | SMS I (IF-LRF- CCM) | IF:4x15T+3 x25T CCM: 1 x 4/7 CCM and 1x6/11 CCM | MS billets 445,500 | 2x15T | 86,400 TPA MS Billets | IF: 2x15T + 3x25T | 359,100 TPA | 2x15T | 86,400 TPA MS Billets | LRF: 1x30T AOD 1x25 Ton | Only inclusion of 198,000 TPA SS Billets (max.) with no change in overall | IF:4x15T+ 3x25T LRF: 1x30T AOD 1x25 Ton CCM: 1x4/7 CCM and 1x6/11 CCM | 445,500 TPA MS Billets including max. 198,000 TPA SS Billets |

| Sl | Plant | | | ing Facility a | _ | EC dated | 1 05.11.2 | | | Proposed U | nits | Final (Exi | |
|-----|---|---|----------------|----------------|----------|----------------|----------------|---------------|------------|--|---|--|---|
| No | Equipment / Facility | То | tal | Implem | ented | | n- mented | As per | СТО | | | Propos | sed) |
| | • | Config | Capacity | Config | Capacity | _ | Capaci | Config | Capacity | Config | Capacity | Config | Capacity |
| 9. | SMS II (IF-LRF- CCM) | | | | | | | | | IF: 10x30T, LRF: 1x30T, 3x6/11 CCM | 4,45,000T PA capacity MS Billets 1,050,0 00 TPA | IF: 10x30T, LRF: 1x30T, 3x6/11 CCM | MS Billets 1,050,000 TPA |
| 10. | SMS III (LD- LRF-VD- CCM) | | | | | | | | | LD Convertor: 1x55T LRF: 2x55T + VD: 1x55 Ton + 2x8/15 CCM | MS Billets 660,00 0 TPA | LD Convertor: 1x55T LRF: 2x55T + VD: 1x55 Ton + 2x8/15 CCM | |
| | Rolling Mill# 1,2,3 &4 | RM#1 - | | | 3-164 | RM#1 - | | | | RM#2 - 2000TPD | long product | RM#1- 2000TPD RM#2 - 2000TPD | 1,485,000 TPA MS long product |
| 11. | along with wire | 1000 TPD | 330,000 TPA | | | 1000 TPD | 330,000 TPA | = | | RM#3 - 1000TPD | including max. | RM#3 - 1000TPD | including max. |
| | drawing facility | | | | | B | 1 | V E | 5 | RM#4 - 500TPD | 194,000 TPA SS Long products | RM#4 - 500TPD | 194,000 TPA SS Long products |
| | | | 7 | 7 < | · · | 15°C | 20 | THE PER | 2 v | 50 TPH@ RM#1 | products | 50 TPH@ RM#1 | products |
| | Reheatin | 5 | 7 | | Y 3 | | | | 1.57 | 100 TPH@ RM#2 | | 100 TPH@ RM#2 | |
| 12. | g Furnace | | | | -/ | ij, | Ę(| | Ţ | 50 TPH@ RM#3 | | 50 TPH@ RM#3 | |
| | | | | | | 4 | | | P.I | 25 TPH@ RM#4 | | 25 TPH@ RM#4 | |
| 13. | Air Separatio n Plant (Oxygen Plant) | | - \ | | Marine | | | - | <u> -</u> | 2x225TPD | 164,25 0 TPA | 2x225TPD | 164,250 TPA |
| 14. | Captive Power Plant | 15MW based on DRI WHRB + 10MW based on AFBC | 25MW | AFBC +WHRB | 23.9MW | AFBC + WHRB | | AFBC +WHRB | 23.9MW | Based on DRI WHRB: 140MW Based on Coke Oven WHRB: 35MW Based on Blast Furnace Gas: 30 MW Based on CFBC: 50 MW | 255 MW | Based on DRI WHRB: 155MW Based on Coke Oven WHRB: 35MW Based on Blast Furnace Gas: 30MW Based on CFBC: 50MW Based on AFBC: 10 MW | 280MW |
| 15. | Cement Plant | | | | | | | | | 2x1 MTPA | 1,980,0 00 | 2x1 MTPA | 1,980,000 |
| 16. | Ferro- Alloy Plant with Metal Recovery Unit | | | | | | | | | 6x9MVA SAF | Fe-Mn: 145,543 TPA (or) Si-Mn: 107,136 TPA (or) Fe-Si: 48,211TP A (or) HC Ferro Chrome: | 6x9MVA SAF | Fe-Mn: 145,543 TPA (or) Si-Mn: 107,136 TPA (or) Fe-Si: 48,211TP A (or) HC Ferro Chrome: |

| Sl | Plant | | Exist | ing Facility | as per the I | EC dated | 05.11.20 | 20 | | Proposed U | nits | Final (Exi | sting + |
|-----|----------------------|--------|----------|--------------|--------------|-------------|--------------|--------|----------|--------------------|-----------|------------------|----------------|
| No | Equipment / Facility | То | otal | Implen | nented | U Impler | | As per | СТО | | | Propos | sed) |
| | | Config | Capacity | Config | Capacity | Config | Capaci ty | Config | Capacity | Config | Capacity | Config | Capacity |
| | - | | | | | | | | | | 101,497 | | 101,497 |
| | | | | | | | | | | | TPA | | TPA |
| | | | | | | | | | | | (or) | | (or) |
| | | | | | | | | | | | Ferro | | Ferro |
| | | | | | | | | | | | Silico | | Silico |
| | | | | | | | | | | | Chrome: | | Chrome: |
| | | | | | | | | | | | 66,498TP | | 66,498TF |
| | | | | | | | | | | | A | | Α |
| | | | | | | | | | | | (or) | | (or) |
| | | | | | | | | | | | Pig Iron: | | Pig Iron: |
| | | | | | | | | | | | 160,704 | | 160,704 |
| | | | | | | | | | | | TPA (or) | | TPA (or) |
| | | | | | | _ | | | | | or in | | or in |
| | | | | | - 1 V | | | | | | combinati | | combinati |
| | | | | | | | | | | <u> </u> | on of any | | on of any |
| | Metal | | | | | | | | | | | | |
| | Recovery | | | | | | | | | | | | |
| 17. | Plant | | | | | | | | | 1x25TPH | | 1x25TPH | |
| | (Ferro- | | | | | | т . | | | | | | |
| | Alloy) | | | | | 0 | | | 7 | | | | |
| | Briquette | | | | | 1 | | | | | 300,00 | | |
| 18. | Plant | | | / | | | | | (J) | 1x 50 TPH | 0 | 1x 50 TPH | 300,000 |
| | Ferro | | | | 1. | a | 20 | | | | TPA | | TPA |
| | Division | | | | | 4915 | | | 9 1 | | | | |
| | Sinter Plant for | | | | Y 4 | . " | | | 100 | | 216,00 | | 216 000 |
| 19. | Ferro | | | | - 4 | / | | | | 1x600 TPD | 0 | 1x600 TPD | 216,000 TPA |
| | division | | | | | | | | | | TPA | | IFA |
| | uivisioii | | | | - /1 | | | 7 1 | | From Rukni Rail | way Stn | From Rukni R | ailway Stn |
| | Railway | | | | | | | | b. 1 | to the Plant locat | - | to the Plant loc | • |
| 20. | Siding | | | | | 15 | | 70A | 70 H | (approx.) with | | (approx.) wit | |
| | Siding | | | | | 1.5 | | | 7//// | Tippler | - | Tippl | |

Specific and General EC conditions

A. Specific Condition:

- i. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
- ii. The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- iii. The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
- iv. The PP shall complete the process of land acquisition and conversion for industrial use.
- v. Mahuda Village (0.01.km, E), Kashberiya Village (0.25 km, SE), Rukni Village (0.5 km), and School is at 0.13 km along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. PP needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
- vi. Kumra Jora Nala is at 0.03 km in the West along with other water bodies within the study area of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
- vii. The total water requirement of 20,740 m³/day shall be met from DVC. PP shall obtain necessary permissions from the Competent Authority. Ground water shall only be used for domestic purpose.
- viii. Three tier Green Belt shall be developed in at least 33% of the project area in a period of 2 years along the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- ix. All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 85 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.

- x. PP shall undertake village adoption programme as committed and implement the action plan to develop them into a model village.
- xi. PP shall obtain approval of Site-Specific Wildlife Management Plan. The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
- ii. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 06 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NOx in reference to SO₂ and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.

- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/ agglomeration.
- x. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
- xi. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xii. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xiii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xiv. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
- xv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
- xvi. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
- xvii. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
- xviii. Following additional arrangements to control fugitive dust shall be provided:
 - a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
 - xix. Briquetting and Jigging plant shall be installed in Ferro Alloys Plant.
 - xx. The PP shall minimize the evaporation losses in jigging operation to less than 10% using suitable advanced process.
 - xxi. The 4th hole extraction system shall be provided in the Sub Merged Arc Furnaces and EAF.
- xxii. Industry is going to use silica quartz in large quantities and going to produce Silico Manganese and Ferro Silicon alloy steel. Therefore, it is necessary to control silica/quartz exposures at production Departments, not only emission norms as per Indian Factories Act. The permissible limit for silica/quartz should be within 10

- mg/m3 for total dust as per Indian Factories Act. Therefore, it is recommended to monitor personal and area exposures for silica quartz dust in the process plants.
- xxiii. Dry quenching (CDQ) system shall be installed along with power generation facility from waste heat recovery from hot coke
- xxiv. Facilities for spillage collection shall be provided for coal and coke on wharf of coke oven batteries (Chain conveyors, land based industrial vacuum cleaning facility). Land-based APC system shall be installed to control coke pushing emissions.
- xxv. Monitor CO, HC and O₂ in flue gases of the coke oven battery to detect combustion efficiency and cross leakages in the combustion chamber.
- xxvi. Vapor absorption system shall be provided in place of vapour compression system for cooling of coke oven gas in case of recovery type coke ovens.
- xxvii. The coke oven gas shall be subjected to desulphurization if the sulphur content in the coal exceeds 1%.
- xxviii. Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions.
 - xxix. The emission norms applicable for the cement plant shall be adhered to.
 - xxx. Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
- xxxi. DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm³ by using best available technology.
- xxxii. Petcoke dosing shall be controlled automatically to control SO₂ emission from chimney within the prescribed limits.
- xxxiii. PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
- xxxiv. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- xxxv. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xxxvi. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m³, respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.
- xxxvii. Ductile Iron (DI) plant shall have the following provisions:
 - a. Bag filter for Zn coating and Mg converter area.
 - b. Wet scrubbers in paint and bitumen coating area.
 - c. Bag Filter in Cement lining area.
 - d. PTFE dipped bags shall be used in the plant.
 - e. PM emissions from BF in Zinc coating area shall be 5 mg/Nm3.
 - f. ETP with recycling facility shall be included.
- xxxviii. Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
- xxxix. Low NOx Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.
- ix. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
- x. The project proponent shall provide appropriate ETP for effluents discharged from coke oven and by-product to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to Coke oven plants) as amended from time to time.
- xi. Treated water from ETP of COBP shall not be used for coke quenching.
- xii. Air Cooled condensers shall be used in the captive power plant.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

iii. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

V. Energy Conservation measures

- i. Use torpedo ladle for hot metal transfer as far as possible. If ladles not used, provide covers for open top ladles.
- ii. Restrict Gas flaring to < 1%.
- iii. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- iv. Provide LED lights in their offices and residential areas.
- v. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- vi. Practice hot charging of slabs and billets/blooms as far as possible.
- vii. Ensure installation of regenerative type burners on all reheating furnaces.
- viii. Blast Furnaces shall be equipped with Top Recovery Turbine, dry gas cleaning plant, stove waste heat recovery, cast house and stock house ventilation system and slag granulation facility.
 - ix. Coke Dry Quenching (CDQ) shall be provided for coke quenching for both recovery and non-recovery type coke ovens.
 - x. The project proponent shall provide waste heat recovery system on the DRI Kilns.
- xi. The dolochar generated shall be used for power generation.
- xii. Tar shall be recovered from producer gas and shall be sold to registered processors and phenolic water shall be incinerated in After Burn Chamber (ABC) of DRI kilns.
- xiii. The PP shall implement the guidelines on sponge iron plants issued by the CPCB/SPCB in this regard.
- xiv. The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- xv. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
- xvi. Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
- xvii. Waste heat recovery system shall be provided for kiln and cooler.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has

issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.

- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- vi. Solid waste utilization
 - a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.
 - b. PP shall recycle/reuse solid waste generated in the plant as far as possible.
 - c. Used refractories shall be recycled as far as possible.
- vii. SMS slag after metal recovery in waste recycling facility shall be conditioned and used for road making, railway track ballast and other applications. The project proponent shall install a waste recycling facility to recover metallic and flux for recycle to sinter plant. The project proponent shall establish linkage for 100% reuse of rejects from Waste Recycling Plant.
- viii. Carbon recovery plant to recover the elemental carbon present in GCP slurries for use in Sinter plant shall be installed.
- ix. Waste recycling Plant shall be installed to recover scrap, metallic and flux for recycling to sinter plant and SMS.
- x. In case of Non-Recovery coke ovens, the gas main carrying hot flue gases to the boiler, shall be insulated to conserve heat and to maximise heat recovery.
- xi. Tar Sludge and waste oil shall be blended with coal charged in coke ovens (applicable only to recovery type coke ovens).

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- xii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xiii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Action plan as per MoEF&CC O.M. dated 30/09/2020

| SL | Public Hearing | Details of the Activity | Year-wise | Plan of Act | tion | | | Cost (in |
|----|-------------------|-------------------------|-----------|-------------|------------|----------|---------|----------|
| | Adressal | Activity | 01st | 02nd | 03rd | 4th Year | 5th | Lak |
| | Plan | | Year | Year | Year | | Year | hs) |
| | 1 Idii | | | | | | | 113) |
| A | ACTION PI | LAN FOR EDUCA | TION SEC | ΓOR | | | | |
| A | Developm | •Development | 1. | 1. | 1. | 1. Dubra | 1.Alkus | |
| 01 | ent of | will include | Mahuda | Kankdih | Bhalkh | High | ha | |
| | Schools at | maintenance of | Primary | a | uria | School | Primary | |
| | nearby | existing school | School | Primary | Primary | | School | |
| | locality | building, | | School | School | 2. Dubra | | |
| | | providing | 2. | | | Girl's | 2. | |
| | | Furniture in | Kashiber | 2. | 2. | High | Raherdi | |
| | | classes and in | ia | Gurguri | Tentulh | School | h J B | |
| | | staff room, | Primary | a | iti 1 no. | | School | |
| | | white boards in | School | Primary | Primary | 3.Rukni | | |
| | | classrooms. | a. 2 | School | School | Primary | | |
| | (7 | •Construction of | 3.Gobind | - 4 | 灵 了 | School | | |
| | | toilets for boys | apur | | . ST A | | | |
| | | & girls with | Primary | | | | | |
| | | septic tank. | School | 5. | . 11 | 4Gobind | N. | 200 |
| | | •Construction of | | | 6. | apur | v) | 200 |
| | | Rain Water | | | real l | Junior | | |
| | | Harvesting | V/3/ | 3 | 2//2 | High | | |
| | | (RWH) Pit. | | | // 5 | School | | |
| | | •Installation of | | | 1 | School | | |
| | ú | Mark-II hand | 'A | | 640 | | | |
| | - C | pump for | Ofecte | e she is | | 2 | | |
| | ્ર | drinking water. | - 15 | 11 5111 | ./// | | ره ک | |
| | 1 2 | •Installation of | CD- | = | 19 | | 5 | |
| | | playing slides & | | REF | | ر ح | | |
| | | swings for | | | | _CO_ | | |
| | | students and | | | | 250 | | |
| | | distribution of | | | \ c | | | |
| | | Books and | 0.0 | | | | | |
| | | Uniforms to | e-Pavi | nents | | | | |
| | | | | | | | | |
| | | student •Plantation | | | | | | |
| | | | | | | | | |
| | | around the | | | | | | |
| | | school. | | | | | | |
| | | Budget in Lakhs | 40 | 40 | 40 | 40 | 40 | |

| SL | L Public Details of the Hearing Activity Year-wise Plan of Action | | | | | | | | |
|------|--|---|--------------|--------------|--------------|----------|-------------|-------------------|--|
| | Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) | |
| A 02 | Up- gradation of Company Owned Primary school to Junior Level and later upto 10th level with its developm ent into Smart school. | •Construction of additional number of classrooms, staff room, offices, library and computer room. •Additional toilets for boys & girls as well as for staffs with septic tank and RWH pit •Providing furniture, white boards, | c RI | V E | , S | | | | |
| | KYA | computers and other accessories in all the classrooms, staff room, offices, library and computer | 100 | 200 | 200 | 200 | 200 | 900 | |
| | e-Comp. | labs, distribution of books and school uniform to students •Installation of Rooftop Solar panels for providing electricity to school, Solar high mast light, providing 2 No. of Bus •Organizing cultural & circular activities in the school. •Plantation surrounding School. | Profects PC | i REE | Prodes. | Proces | Su. | | |

| SL | Public | Details of the | Year-wise | Plan of Act | tion | | | Cost |
|---------|---|---|---|---|--|--|------------------------------------|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| A 03 | Developm ental activities for local schools | Construction of Boundary wall (10 schools) | 1. Mahuda Primary School 2. Kashiber ia Primary School 3.Gobind apur Primary School | 1. Kankdih a Primary School | 1. Bhalkh uria Primary School 2. Rukni Primary School | 1. Dubra Girl's High School 2.Rukni Primary School | 1.Alkus ha Primary School | 90 |
| | | Budget in Lakhs | 30 | 10 | 20 | 20 | 10 | |
| A 04 | Developm ental activities for local | Library | | Dubra High School | 5 | Dubra Girl's High School | | 20 |
| | schools | Budget in Lakhs | -, 0 | 10 | - | 10 | - 8 | |
| A 05 | School Bus | Two buses will run to support School transportation | 0.0 | 0 | 0 | 40 | 40 | 80 |
| A 09 | Rural Literacy Mission | This project aims to educate people between the ages of 15 and 65 in the locality. | 10 | 10 | 10 | 10 | 10 | 50 |
| TO | ΓAL (A) | 6 | 180 | 270 | 270 | 320 | 300 | 134 0 |
| В | ACTION P | LAN FOR HEALT | H CARE S | ECTOR | | | | |
| B0 1 | Constructi on of Health Checkup Centre with pathologic | Construction of Health Check- up Centre at village Gobindpur & Gurguria with arrangement of | At Village Gobindp ur & Gurguria | At Village Kankdih a | At Village Dubra | At Village Bhalkhuri a | At Village Rukni | |
| | al facility | visiting doctor 03 days in a week. Villagers shall be benefitted with | | | | | | 150 |

| SL | Public | Details of the | Year-wise | Year-wise Plan of Action | | | | | |
|---------|---|--|--------------|--------------------------|--------------|----------|-------------|-------------------|--|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) | |
| | | free medical assistance and medicines from the centre at primary level treatment. | | | | | | | |
| | | Budget in Lakhs | 50 | 25 | 25 | 25 | 25 | | |
| B0 2 | Establish ment of Radio Diagnosti c Centre and Pathologic al Lab | Establishment of Radio Diagnostic Centre with Pathological Lab will involve installation of state of art equipment along with necessary furniture, etc. with recruitment of professional staff and | 0.0 | 200.0 | 300.0 | 400 | 500 | 140 0 | |
| 1 | e-C | doctors. Company will be taking care of its day-to-day operations and medical stocks | Protection | | | | | | |
| | omte | refilling and maintenance at Raghunathpur sub-division. | CPC (| REE | H | | | | |
| B0 3 | Elegant Care Hospital | Construction of Hospital at Raghunathpur sub-division. | 100 | 200 | 200 | 300 | 400 | 120 | |
| B0 4 | Health on Wheels | Ambulance facility for Kashiberia (1) and Gobindapur (1) for emergency medical help of local villagers fully integrated with emergency facilities like | 60 | 10 | 60 | 10 | 10 | 150 | |

| SL | Public | Details of the | Year-wise | Plan of Act | tion | | | Cost |
|---------|--|---|--------------------------------|--|-----------------------------------|------------------------------------|---------------------------------------|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| | | cylinder, nebulizer, stretcher etc. with medicines. | | | | | | |
| B0 5 | Sanitary pad vending machines | Installation of Self-service Sanitary pad dispensing machines | 2 | 2 | 2 | 2 | 1 | 9 |
| B0 6 | Mega Health Camp | Provision for Organizing Health Check- up & Treatment Camps with specialists like Gynaecologist, General Physician, Eye Specialists etc. along with distribution of free of cost Medicine to local villagers. | 30 | 30 | 30 | 30 | 30 | 150 |
| TOT | TAL(B) | 1 | 242 | 467 | 617 | 767 | 966 | 305 9 |
| С | ACTION PI | LAN FOR RURAL | INFRASTI | RUCTURE | & DEVEC | LOPMENT | 20 | |
| C0 1 | Installatio n of Solar Light | Installation of street solar lights in schools & villages | 40 Nos at village Mahuda | 40 Nos. at village Kashibe ria & Gobinda pur | 20 Nos. At village Rukni | 10 Nos. at village Dubra | 20 Nos. at village Alkusa | 65 |
| | | Budget in Lakhs | 20 | 20 | 10 | 5 | 10 | - |
| C0 2 | Public Bus Stand | Construction of Public Bus Stand (2) with shelter near Mahuda village at Rukni More at SH-5 which will include Platform | At Village Mahuda | Near Dubra High School | | Near Village Rukni Market | | 45 |

| SL | Public | Details of the | Year-wise | | Cost (in | | | |
|---------|---|--|-------------------------|---------------------------------|--------------------------------|---------------------------------|--------------------------------|------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | Lak hs) |
| | | construction and Installation of Pre-Fabricated Shelter. | | | | | | |
| | | Budget in Lakhs | 15 | 15 | | 15 | | - |
| C0 3 | Developm ent of Rukni More | Development of Rukni More by revamping of existing road and installing high mast street light, Traffic | 10 | 30 | 20 | 15 | 25 | 100 |
| | КК | Tower & installation of water cooler for drinking water facility along with beautification by tree plantation. | P. I | हात र | 5 | | pss | |
| C0 4 | Constructi on of Pucca Road | Construction of Pucca Road (Paver Block) for the approx. | At Village Mahuda | 3 | At Village Kahiber ia | | At Village Gobind pur | |
| | (Paver Block) along with Water Drainage System | 1km along with revamping and construction of drain/culvert in the village Mahuda, Kashiberia and Gobindapur. | PC | f She is | 7 | Proces | 20. | 300 |
| | | Budget in Lakhs | 100 | nents | 100 | | 100 | |
| C0 5 | Temple | Construction of Temple | At Village Mahuda | | At Village Rukni | | | 80 |
| | | Budget in Lakhs | 40.0 | | 40.0 | | | |
| C0 6 | Temple | Renovation of Existing village Temples | At Village Mahuda | At Village Kashibe ria | At Village Rukni | At Village Gobindap ur | At Village Dubra | 60 |
| | | Budget in Lakhs | 12 | 12 | 12 | 12 | 12 | |

| SL | Public | Details of the | Year-wise | Year-wise Plan of Action | | | | |
|---------|---|--|--|--|---|---------------------------------|--|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| C0 7 | Developm ent of Communit y Hall | Construction of Community Hall Village Mahuda (1) and Kashiberia (1) for organizing social/cultural/ marriage programs by villagers. | | At Village Mahuda | | At Village Kashiberi a | | 100 |
| | | Budget in Lakhs | | 50.0 | < | 50.0 | | |
| C0 8 | Developm ent of Communit y Math (for communit y program) | Development of Community Math shall be done at village Mahuda, Kashiberia & Gobindapur with 01 room, sitting arrangement Mark-2 Hand Pump etc. | At Village Mahuda | At Village Kashibe ria | At Village Gobind apur | At Village Rukni | At Village Dubra & Alkush a | 180 |
| | | Budget in Lakhs | 30 | 30 | 30 | 30 | 60 | |
| C0 9 | Children Park | Construction of two Children Parks | Protects | 50 | 40 | 50 | 20 | 100 |
| C1 0 | Solar power at Children Park | Solar Power & light's installation at Children parks | -PC (| 25 | | 25 |)-L | 50 |
| C1 1 | Developm ent of Ponds for Rain Water Harvestin g | Renovation/upg radation of village pond will include first time shaping with excavation and slide slope stabilization, Construction of 01 nos. Bathing Ghat on one side with changing area, toilets with | At Village Gobindp ur & Gurguria | At Village Mahuda, Kankdih a & Bhalkhu ria | At Village Kashibe ria, Tentulh iti & Rukni | At Village Dubra | At Village Alkush a & Raherdi h | 275 |

| SL | | Details of the | Year-wise | Plan of Ac | tion | | | Co |
|---------|---|--|------------------------------------|--|------------------------|---------------------------|---------------------------------|-----------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | La hs) |
| | | septic tank, hand pump and Beautification of pond by plantation of trees along boundary of pond along with Yearly Cleaning/Desilti ng of Pond. | С | | | | | |
| | | Budget in Lakhs | 50 | 75 | 75 | 25 | 50 | |
| | ΓAL(C) | | 277 | 307 | 287 | 227 | 257 | 135 |
| D | LIVELIHO | <mark>OD, S</mark> KILL DEVE | LOPMENT | & WOME | N EMPOW | /ERMENT | | |
| D 01 | Skill Developm ent Centre for Women | Construction of women community centre for promotion of self-help groups for women in villages for their skill | At Village Mahuda & Rukni | At Village Kashibe ria& Gobinda pur | At Village Dubra | At Village Alkusha | At Village Bhalkh uria | 245 |
| | S | development. Budget in Lakhs | 70.0 | 70.0 | 35.0 | 35.0 | 35.0 | 7 |
| D | Samarthya | Women | At | At | At | At | At | |
| 02 | (Women Empower ment) | empowerment programs to promote self- efficiency, such as by distribution of sewing machines and training for making cotton hand gloves, sanitary pads etc. in local villages. This will be an earning source for women in | Village Mahuda | Village Kashibe ria | Village Dubra | Village Gobindap ur | Village Rukni | 125 |

| SL | Public | Details of the | Year-wise Plan of Action | | | | | Cost |
|---------|---|---|--------------------------|--------------|--------------|----------|-------------|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| | | economic empowerment. | | | | | | |
| | | Budget in Lakhs | 25 | 25 | 25 | 25 | 25 | |
| D 03 | Skill Developm ent Centre for local youth | Establishment of Skill Centre in Dubra Village Panchayat. Vocational training will be given to local youths in the field of Automobile Repair, Welding, Electrical, Computer Hardware, etc, so as to open new areas to get employment for them. | C I | ज्ञात ए | 5 | 85 | 5 | 95 |
| D 04 | Skill Developm ent Centre for local youth | Establishment of Computer Training Center in Dubra Village Panchayat for the youths to get the training of computer courses and have more opportunities of employment in different areas | e-Payı | REE | 20 | 50 | 20 | 90 |
| D 05 | Skill Developm ent Program | Mass community based programs to promote and enhance skills in rural segments | 5 | 5 | 5 | 5 | | 20 |

| SL | Public | Details of the | Year-wise | ear-wise Plan of Action | | | | |
|---------|-------------------------------------|--|---|-----------------------------------|---|--|---|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| | | and support locals. | | | | | | |
| D 06 | Skill Developm ent Program | Establishment of a model Anganwari and nutrition center (1) for pregnant and lactating women in the | 30 | 10 | 10 | 10 | 10 | 70 |
| | | Dubra Village Panchayat region to improve women's health and cleanliness. | RI | V E | CX S | ß. | | |
| TOT | TAL(D) | 107 | 130 | 110 | 100 | 210 | 95 | 645 |
| Е | ENVIRON | MENT & SUSTAIN | NABILITY | | J A | | | |
| E0 1 | Plantation | Plantation shall be done toward nearby villages of the project site and different other locations including schools and roadside plantations as mentioned in the year wise plan in this table. | 500 Nos. Towards At village communi ty ground and Gobinda pur play ground 800Nos. Either side of the road connecti ng to plant from Mahuda road | Nos. Towards At village Raherdi h | 200 Nos Toward s At village Kankdi ha 200 Nos. At village Gurguri a & 200 Nos. around village Alkush a | 300 Nos. Around Dubra Girls High school and around Playgrou nd 200 Nos Towards At village Bhalkhuri a | 500 Nos. Toward s village Kashibe ria | 56 |
| | | Budget in Lakhs | 19.5 | 7.5 | 13.0 | 8 | 8 | |
| E0 2 | Water Sprinkling on roads | Company has already deployed and shall also be | | 01 Truck mounted | | 01 Truck mounted | | |

| SL | Public | Details of the | Year-wise Plan of Action | | | | | |
|---------|---|--|-----------------------------------|---|-------------------|--|-------------------|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| | | deployed 02 nos. water tankers for suppression of dust due to vehicular movement | | water tanker | | water tanker | | 100. |
| | | Budget in Lakhs | | 50.0 | | 50.0 | | |
| E0 3 | Truck Mounted Mist Cannon, Mist Cannon & Rain Gun | Provision of installing Mist Cannon (10) nos., Truck Mounted Mist Cannon (2) and Rain Gun (25) towards for suppression of fugitive dust towards village Mahuda, Kashiberia, Gobindapur and Rukni as additional | 10 Mist Cannon | 01 Truck Mounte d Mist Cannon | 10 Rain Gun | 01 Truck Mounted Mist Cannon | 15 Rain Gun | 220. |
| | e-CO | safeguard measure for nearby villages | Protects | if She 15 | | 1000 | | |
| | 3 | Budget in Lakhs | 50 | 60.0 | 20 | 60.0 | 30.0 | 7 |
| E0 4 | Road Sweeping Machine | Company shall purchase a truck mounted road sweeping machine (2) to reduce fugitive dust emission from roads due to vehicular | 01Road Sweepin g Machine | 01Road Sweepin g Machine | | Proces | | 110. |
| | | movements. | | | | | | |
| | | Budget in Lakhs | 55 | 55 | | | | |
| TOT | TAL(E) | | 124.5 | 172.5 | 33 | 118 | 38 | 486 |
| F | DRINKING | WATER, HYGIE | NE & SANI | TATION | | | | |

| SL | Public | Details of the | Year-wise | Plan of Act | tion | | | Cost |
|---------|---|---|--|-----------------------------------|--|--|--|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| F0 1 | Village Health, Sanitation & Nutrition Program | The purpose is to address health and social issues related to Sanitation and Nutrition at the village level | 30 | 30 | 30 | 30 | 30 | 150 |
| F0 2 | Kushal Gram Vikas Yojana (Rural Cleanlines s Program) | The program adresses the cleanliness activities in nearby villages and locality | 15 A | 15 | 15 | 15 | 15 | 75 |
| F0 3 | Humanitar ian aid | Provision for supply of drinking water on community festivals and programs in nearby villages through tractor mounted water Tanker. | 10 | 10 | 10 | 10 | 10 | 50 |
| F0 4 | Drinking Water Facility | Installation of Mark-2 Hand Pump | 10 nos each at village Gobinda pur Kashiber ia and Mahuda | 10 Nos. at village Rukni | 10 Nos. at village Alkusa | 10 Nos. at village Dubra | 10 Nos. at village Gurguri a | 56 |
| F0 5 | Water Tanker for supply of drinking water | Budget in Lakhs Company shall arrange 03 nos. water tanker for drinking water supply to local villagers for their community needs. | 01 no. water tanker with tractor | | 01 no. water tanker with tractor | 01 no. water tanker with tractor | | 75 |
| | | Budget in Lakhs | 25.0 | | 25.0 | 25.0 | | |

| SL | Public | Details of the | Year-wise | Plan of Ac | tion | | | Cost |
|---------|--------------------------------------|---|--|--------------|---------------------------------|----------|------------------------|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| TO | TAL(F) | | 104 | 63 | 88 | 88 | 63 | 406 |
| G | SPORTS | | | | I | | I | |
| G 01 | Developm ent of Playgroun d | Development of Football Ground along with promotion of sports activity every year in Village Mahuda (1), Kashiberia (1) and Rukni (1). | At Village Gobindp ura | | At Village Kashibe ria | | At Village Rukni | 75 |
| | | Budget in Lakhs | 25 | V | 25 | | 25 | 1 |
| G 02 | Sports Promotion among local youth | Provision of organizing yearly sports tournaments sponsored by the M/s BSIPL in Village Kashiberia, Dubra, Govindapur, Mahuda, Rukni for promotion of sports activity and increasing awareness of body fitness and healthy body among youths. | Company shall organize Football/Cricket tournament for the youths of village Kashiberia, Dubra, Gobindapur, Mahuda, Rukni for promotion of sports activity and increasing awareness of body fitness and healthy body among youths. | | | | | |
| | | Budget in Lakhs | 15 | 15 | 15 | 15 | 15 | |
| G 03 | School Sports | Implementation of District Level Sports Academy (1) near Raghunathpur Area for providing a platform to guide & train the local talented youths for national and | 100 | 100 | 75 | 100 | 75 | 450 |

| SL | Public | Details of the Activity | Year-wise | Plan of Act | tion | | | Cost |
|---------|--|--|--|--|---|----------|---|-------------------|
| | Hearing Adressal Plan | Activity | 01st Year | 02nd Year | 03rd Year | 4th Year | 5th Year | (in Lak hs) |
| | | international level games. | | | | | | |
| TO | L ΓAL(G) | | 140 | 115 | 115 | 115 | 115 | 600 |
| Н | SOCIAL IN | ICLUSION & CON | MUNITY I | DEVELOP: | MENT | | | |
| H 01 | Communit y Cultural Developm ent Program | Company shall invest for community development programs for the village Mahuda, Gobindapur for making Community Rasoi & worship temples as demanded by the local people | Commun ity Rasoi & Shed at village Mahuda | Commu nity Temple at Village Gobinda pur | Commu nity Rasoi & Shed at village Dubra | | Commu nity Rasoi & Shed at village Rukni | 95 |
| | | Budget in Lakhs | 25 | 20 | 25 | | 25 | |
| H 02 | Hope Centre for 'specially abled' children | Construction of infrastructure for various rehabilitation services such as physiotherapy for mobility improvement, special education to mentally challenged children, special education for speech and hearing impaired children, and creating skill upgradation opportunities at village panchayat Dubra. | 30 | 30 | 75 | 75 | 50 | 260 |

| SL | Public | Details of the | Year-wise Plan of Action | | | | | |
|---------|--|---|--------------------------|------|------|----------|------|------------|
| | Hearing Adressal | Activity | 01st | 02nd | 03rd | 4th Year | 5th | (in Lak |
| | Plan | | Year | Year | Year | | Year | hs) |
| H 03 | Burning Ghat | Construction of Burning ghat for all nearby villages | 0 | 40 | 40 | 20 | 25 | 125 |
| H 04 | Snan Ghat | Construction of Snan Ghats for nearby Villages | 0 | 20 | 20 | 15 | 0 | 55 |
| H 05 | Constructi on of Communit y Market | Construction of community market for the benefit of local people. | 15 | 15 | 15 | 15 | 15 | 75 |
| TOT | TAL(H) | | 70 | 125 | 175 | 125 | 115 | 610 |
| | Budget as per issues raised during public hearing (Rupees in Lakh) | | | | | | | 850 1 |
| Tota | d (Rupees in | Crores) | | | | | | 85 |

