

Half Yearly Compliance Report**2024****01 Jun(01 Oct - 31 Mar)****Acknowledgment**

Proposal Name	JSW Limestone Mine 7.0 MTPA		
Name of Entity / Corporate Office	Mr.Manoj Kumar Rustagi		
Village(s)	N/A		
District	NANDYAL		
Proposal No.	F.No. J-11015/800/2007-IA-II-(M)	Category	Non-Coal Mining
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	ANDHRA PRADESH	Entity's PAN	NA
MoEF File No.	F.No. J-11015/800/2007-IA-II-(M)	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office Mr.Manoj Kumar Rustagi

	Project Area as per EC Granted	Annual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	0	0

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Lime Stone	Million Tons per Annum (MTPA)	16/12/2022	7.0	2.06	7.0

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	MINING PLAN	The environmental clearance is subject to obtaining approved modified mining plan (including progressive mine closure plan) from the Indian Bureau of Mines for 350.57 ha.
PPs Submission: Complied Modified Mining Plan approved by Indian Bureau of Mines vide letter no: AP/KNL/MP/LST-126/HYD Dt: 20/12/2022.		Date: 31/05/2024
2	MINING PLAN	A comprehensive conservation plan for wildlife shall be prepared and implemented in consultation with the Chief Wild Life Warden. Necessary fund for implementation of the same shall be separately allocated and undertaking submitted to the Regional Office of the Ministry along with status of implementation.
PPs Submission: Complied Conservation plan approved letter No: 5967/2021//WL-2 Dt: 9.7.2021 and recommendations are under progress.		Date: 31/05/2024
3	MINING PLAN	Primary survey data of flora and fauna in the core and buffer zone and also authenticated list of the same shall be submitted to the Ministry within six months.
PPs Submission: Complied We have submitted details of flora available in the core and buffer zone vide letter No :JSWCL/MOEF/RO/10-111/01 Dt:30.11.2010		Date: 31/05/2024
4	MINING PLAN	A 50 m barrier no mining zones on the side facing the river (all along) and also on both sides of the seasons canal running through the lease shall be demarcated and the area shall be vegetated with thick native vegetation of difference species.
PPs Submission: Complied We are maintaining the 50 meters barrier all along the river and seasonal canal.		Date: 31/05/2024
5	MINING PLAN	Land-use pattern of the nearby villages shall be studied, including common property resources available for conversion into productive land. Action plan for abatement and compensation for damage to agricultural land / common property land (if any) in the nearby villages, due to mining activity shall be submitted to the Regional Office of the Ministry within six months. Annual status of implementation of the plan and expenditure thereon shall be reported to the Regional Office of the Ministry.
PPs Submission: Complied We are maintaining the 50 meters barrier all along the river and seasonal canal.		Date: 31/05/2024
6	MINING PLAN	Socio Economic profile and rehabilitation action plan for families affected directly or indirectly due to mining (and whose land has been acquired) shall be prepared for immediate implementation before starting mining and shall be submitted within six months to the Regional Office of the Ministry.
PPs Submission: Complied As committed during the Public Hearing, the company is providing preferential employment to the members of the affected families based on their qualification and skills. Further, the unskilled		Date: 31/05/2024

		villagers are engaged in such jobs as housekeeping, office work, road sweeping, plantation /horticulture etc. not requiring specialized skills.	
7	WATER QUALITY MONITORING AND PRESERVATION	Water to be supplied for drinking purposes shall be treated to meet the prescribed standards. Monitoring of water quality for drinking shall be undertaken on daily basis especially for fluoride and arsenic and records maintained.	
		PPs Submission: Complied We are supplying treated R.O. to our employees for drinking purpose. Drinking water is being tested at regular intervals and records maintained. Fluorides and Arsenic contents are well within the prescribed limits.	Date: 31/05/2024
8	MINING PLAN	Transportation of limestone ore to the cement plant shall be through closed conveyor belt system.	
		PPs Submission: Complied Crushed Limestone is transported through closed belt conveyors. In addition, water sprinkler has also been provided at the dump hopper. Pulse Bag house is provided at the main Crusher whereas bag filters provided at material transfer points for dust extraction	Date: 31/05/2024
9	MINING PLAN	Rain water harvesting scheme shall be undertaken in consultation with the Regional Director, Central Ground Water Board and action plan for implementation of the scheme shall be submitted to the Regional Office of the Ministry, the Central Ground Water Board and the State Govt. Within six months	
		PPs Submission: Complied We have adopted the following measures for rainwater harvesting and groundwater recharge: - Constructed rooftop rainwater harvesting structure at Old Project Office Building, Stores Building and Bilakalagudur School building. - 4 nos. of percolation tanks in mining area - 25 Nos. of recharge wells inside plant premises to harvest rainwater from the storm drains.	Date: 31/05/2024
10	WATER QUALITY MONITORING AND PRESERVATION	Water quality both for surface as well as ground water in the core zone shall be regularly monitored and records maintained. Water supplied for drinking shall be monitored on daily basis and records maintained. In case contamination is observed, measures for control and action taken shall be reported to the State Government as well as the Regional Office of the Ministry.	
		PPs Submission: Complied Water quality (surface as well as groundwater) is regularly monitored and records maintained. RO water is supplied to mines for drinking purpose.	Date: 31/05/2024
11	WATER QUALITY MONITORING AND PRESERVATION	Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls. As there are eleven other mines which are contiguous to the subject mine, total silt load shall be assessed and measures for prevention and control of silt shall be submitted to the Regional Office of the Ministry within six months.	
		PPs Submission: Complied Waste rock generated in the mine is being dumped at the earmarked dumpsite. Waste dumping has started and we are committed to take suitable measures for prevention and control of soil erosion as and when required. Plantation is in progress. It has also been confirmed by the deptt. of Mining and geology, A.P.	Date: 31/05/2024

12	Human Health Environment	Occupational Health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc., shall be carried out. The company shall engage a full time qualified doctor who is trained in occupational health. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments, etc., shall be carried out periodically. Review of impact of various health measures undertaken (at interval of five years or less) shall be conducted followed by follow up action wherever required.
<p>PPs Submission: Complied</p> <p>Implemented the following measures to safeguard Occupational Health and safety of the workers: a) Identification and control of OHS hazards as part of company's 3rd party certified Occupational Health & Safety Management System conforming to OHSAS 45001:2018. b) We have set up an Occupational Health Centre within the factory premises with all facilities including audiometry, X-ray, spirometry, ECG, deflator, Suction apparatus and pathology lab etc. and have engaged 2 full time qualified doctors to provide round the clock medical services to its employees. c) Workplace dust levels are regularly monitored and accordingly workers' exposure to dust is controlled. d) Workers health records are maintained at OH Centre as per requirements of the Factories Act. Awareness programmes for workers on health and safety are regularly conducted by the Company's safety personnel. We shall review the impact of various health measures undertaken at the prescribed interval and will take corrective measure as appropriate</p>		<p>Date: 31/05/2024</p>
13	AIR QUALITY MONITORING AND PRESERVATION	Dust fall measurement shall be periodically carried out including particle size analysis in work zone area. Results shall be submitted to the Regional Office of the Ministry and the State Govt. within six months after mining operation begins.
<p>PPs Submission: Complied</p> <p>As stipulated, the dust fall measurement data have been submitted to MoEF&CC, Vijayawada and APPCB, Kurnool</p>		<p>Date: 31/05/2024</p>
14	MINING PLAN	Top soil/solid waste shall be stacked properly with proper slope and with adequate safeguards for prevention of erosion and shall be used for backfilling for reclamation and rehabilitation of mined out area.
<p>PPs Submission: Complied</p> <p>Solid waste rock is being properly dumped at the earmarked dumping site. Small quantity of top soil as and when generated during the course of mining is used for plantation and greenbelt development.</p>		<p>Date: 31/05/2024</p>
15	MINING PLAN	Over burden shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30 m, each stage shall preferably be of 10 m and overall slope of dump shall not exceed 280
<p>PPs Submission: Complied</p> <p>Over burden is stacked at the earmarked dump site. We will abide by the stipulated conditions of dump management.</p>		<p>Date: 31/05/2024</p>
16	MINING PLAN	Garland drains shall be constructed to arrest silt and sediment flows from soil, and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, green belt development, etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50% safety margin over and above sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also

		provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.
<p>PPs Submission: Complied Garland drains are constructed to arrest the silt. Water collected in mine pits shall be used for plantation and dust suppression.</p>		<p>Date: 31/05/2024</p>
17	MINING PLAN	Slope of the mining bench and ultimate pit limit shall be as per the mining scheme as approved by the Indian Bureau of Mines.
<p>PPs Submission: Complied We agree to comply with the said condition.</p>		<p>Date: 31/05/2024</p>
18	MINING PLAN	Drilling and blasting shall be conducted by using dust extractors / wet drilling
<p>PPs Submission: Complied All the drilling machines are equipped with dust extractors to prevent emission of dust during drilling.</p>		<p>Date: 31/05/2024</p>
19	MINING PLAN	Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of afforestation programme besides tree plantation. Plantation shall be raised in 12.10 ha around the ML area, haul roads, OB dump sites, etc. The density of the trees shall be not less than 2500 plants per ha. The company shall involve local people with the help of self help group for plantation programme. Further the company shall practice poly culture plantation instead of monoculture of plant species. Details of year wise afforestation programme including rehabilitation of mined out area shall be submitted to the Ministry within six months.
<p>PPs Submission: Complied Greenbelt development is under progress and is being undertaken in line with CPCB guidelines. Necessary guidance from the DFO/ Agriculture deptt. will also be taken during development. Herbs, shrubs and grasses form an integral part of our Greenbelt development programme. Different native plant species are being grown as per CPCB guidelines for plantation. Different plant species such as neem, Peltaform, Gulmohar, Cassia Simiya and Pongamiya are being planted to promote polyculture plantation.</p>		<p>Date: 31/05/2024</p>
20	MINING PLAN	Prior permission from the Competent authority shall be obtained for extraction of ground water, if any.
<p>PPs Submission: Complied Permission from Central Ground Water Authority obtained vide their letter No. 21-4(15)/SR/CGWA/2008-860 dated 23/06/08 valid upto 22.06.2013. However, later on, as advised by CGWA, we obtained one time NOC for groundwater extraction from State GW Dept. Vide letter no:226/D1/2014 dt.30.12.2014</p>		<p>Date: 31/05/2024</p>
21	MINING PLAN	Vehicles used for transportation of ores and other mining operations shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of ores. Transporting of ores shall be done covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of ores for transportation shall be undertaken

<p>PPs Submission: Complied All necessary permissions w.r.t. Central Motor Vehicle Rules have been obtained and rules followed. Vehicles are periodically maintained as per PM schedule by trained maint. Staff. The max. distance of crusher from the working bench of the mine is approx. 1 km and the vehicles used for transportation of limestone are full bodied tippers covered from 3 sides in such a manner that dust cannot escape during the course of transportation.</p>		<p>Date: 31/05/2024</p>
22	MINING PLAN	A final mine closure plant, along with details of Corpus Fund, shall be submitted to the Regional Office of the Ministry of Environment & Forests, 5 years in advance of final mine closure for approval.
<p>PPs Submission: Complied Details of corpus fund and final mine closure plan will be submitted to the regional office 5 years in advance before closing the mines</p>		<p>Date: 31/05/2024</p>
<p>General Conditions</p>		
Sr.No.	Condition Type	Condition Details
1	MINING PLAN	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.
<p>PPs Submission: Complied We have adopted the following arrangements for dust suppression in mining area: - Water spray on haul roads, loading and unloading points - All the drilling machines are equipped with dust extractors to prevent emission of dust during drilling - Controlled blasting is done to control emission of dust during blasting. - Bag filters installed on transfer points for conveying of crushed limestone. - All the conveyors are covered with shade The overall ambient air quality in and around the area is well within the standards.</p>		<p>Date: 31/05/2024</p>
2	MINING PLAN	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc., shall be provided with ear plugs / muffs.
<p>PPs Submission: Complied Following measures have been taken to control the workplace noise level/ workers exposure to noise level below 85 dBA: - Installation of wobbler in the Crushing Plant that generates lesser noise compared to conventional Grizzlies. - Regular maintenance of crusher and HEMM - All mining vehicles are equipped with dust & noise proof cabins - Regular monitoring of workplace & ambient noise and corrective actions as and when required. - Development of greenbelt along mine periphery Overall noise levels in and around the area is well within the standards.</p>		<p>Date: 31/05/2024</p>
3	MINING PLAN	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.
<p>PPs Submission: Complied No waste water is generated from the mine shop hence all trucks are coming from the contractor.</p>		<p>Date: 31/05/2024</p>
4	MINING PLAN	A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization

<p>PPs Submission: Complied A Separate Environment management cell with qualified staff and all the necessary equipment and monitoring & measurement facilities. The Environment Cell works under the control of Unit Head.</p>		<p>Date: 31/05/2024</p>
5	MINING PLAN	The project authorities shall inform to the Regional Office of the Ministry located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
<p>PPs Submission: Complied Date of financial closure: Date of financial approval of the project:26.03.2010 Date of start of the project: July 2010</p>		<p>Date: 31/05/2024</p>
6	MINING PLAN	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industry Centre and Collector's office / Tahsildar's office for 30 days.
<p>PPs Submission: Complied Displayed 30 days as per condition.</p>		<p>Date: 31/05/2024</p>
7	MINING PLAN	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of the Ministry located at Bangalore
<p>PPs Submission: Complied We have circulated the information regarding grant of EC in two newspapers "Sakshi" and "Deccan Chronicle" on 14.05.2008. Copies of the newspaper clippings were been submitted to the Regional office, Bangalore on 14.05.2008.</p>		<p>Date: 31/05/2024</p>
8	MINING PLAN	The Regional Office of the Ministry, Bangalore shall monitor compliance of the stipulated conditions. The project authorities shall extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
<p>PPs Submission: Complied We are extending full cooperation to the officers of MoEF&CC during their site visit.</p>		<p>Date: 31/05/2024</p>
9	MINING PLAN	No change in mining technology and scope of working shall be made without prior approval of the Regional Office of the Ministry of Environment & Forests.
<p>PPs Submission: Complied We are following all the conditions to comply with the said conditions.</p>		<p>Date: 31/05/2024</p>
10	MINING PLAN	No change in the calendar plan including excavation, quantum of mineral ore
<p>PPs Submission: Complied We agree to comply with the said condition.</p>		<p>Date: 31/05/2024</p>

11	MINING PLAN	Conservation measures for protection of flora and fauna in the core and buffer zone shall be drawn up in consultation with the local forest and wildlife department
PPs Submission: Complied Conservation plan for flora and fauna has been prepared in consultation with local forest dept. and is implementing as per advice of wildlife department.		Date: 31/05/2024
12	MINING PLAN	Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM SO2 NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board once in six months.
PPs Submission: Complied Four ambient air quality monitoring stations have been setup in core zone. Air quality monitoring in core and buffer zone is carried out as per key plan (Topo sheet No:57 I/6) duly approved by the Indian Bureau of Mines(IBM)		Date: 31/05/2024
13	MINING PLAN	Data on ambient air quality (RSPM, SPM, SO2 NOx) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the state Pollution Control Board / Central Pollution Control Board once in six months.
PPs Submission: Complied Ambient air quality monitoring data are regularly submitted to APPCB, Kurnool on monthly .		Date: 31/05/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		Dear Sir Condition wise compliance details are uploaded for your kind perusal.