## **Half Yearly Compliance Report** 2025 01 Dec(01 Apr - 30 Sep)

# Acknowledgement

Proposal Name	Digwadih Colliery of M/s Tata Steel Ltd. for (Expansion from 0.38 MTPA to 0.6 MTPA in ML area 314.57 ha), dist. Dhanbad, Jharkhand
Name of Entity / Corporate Office	Tata Steel Ltd.
Village(s)	N/A
District	DHANBAD

Proposal No.	IA/JH/CMIN/19215/2010
Plot / Survey / Khasra No.	N/A
State	JHARKHAND
MoEF File No.	J-11015/372/2010-IA.II (M)

Category	Coal Mining
Sub-District	N/A
Entity's PAN	****2803M
Entity name as per PAN	UTSAV KASHYAP

# **Compliance Reporting Details**

**Reporting Year** 2025

Half Yearly Compliance

Remarks (if any) Submission for April 2025

to September 2025.

**Reporting Period** 01 Dec(01 Apr - 30 Sep)

# **Details of Production and Project Area**

Name of Entity / **Corporate Office** 

Tata Steel Ltd.

	Project Area as per EC Granted	<b>Actual Project Area in Possession</b>	
Private	0	0	
Revenue Land	0	0	
Forest	0	0	
Others	314.57	314.57	
Total	314.57	314.57	

# **Production Capacity**

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Raw Coal	Million Tons per Annum (MTPA)	N/A	0.6	0	

## **Conditions**

# Specific Conditions

Sr.No.	<b>Condition Type</b>	Condition Details
1	Statutory compliance	The maximum production from the mines shall not exceed beyond that for which environmental clearance has been granted.

#### PPs Submission: Complied

It is being strictly followed. The Production from the colliery has been discontinued from February 2021.

Date: 26/11/2025

2 Statutory compliance

The impact on the Damodar river due to mining activity which is at a distance of 2 km be studied through a reputed 3rd Party and submitted to the SPCB and the regional office of the MoEF for monitoring.

#### PPs Submission: Complied

The underground coal mines operated by Tata Steel Ltd are adjacent to the Damodar River. Other coal mines of BCCL and SAIL are also in close proximity to the river basin. Major source of pollution of Damodar River is the flow of industrial effluents and untreated sewage water into the river. A number of OB dumps lie close to the river banks causing the flow of sediments into the river. As per the hydrology study conducted by Indian School of Mines, Dhanbad, the impact of the underground mines of Tata Steel Ltd is minimal. This is due to the following reasons The mining activity does not require any diversion of river/streams or natural drain. As land profile does not change appreciably in case of underground mines with backfilling of mined out areas, there is no change in surface drainage till date and unlikely to occur in future. Surface water quality also does not undergo any change, as there is no discharge to surface drainage in dry season. In Monsoon, the excess mine water discharged gets mixed with storm water. Large settling tanks are available for storage and sedimentation of mine water before its discharge to conform to the norms. The industrial wastewater generated during vehicle washing from the central workshop catering to all the mines is treated in oil and grease trap followed by recycling of water. The two coal washeries of Tata Steel are operating on Zero Liquid discharge (ZLD) principle. Sewage water generated from our townships is treated in STP. For Sijua group, one STP of 200 KLD and another STP of 50 KLD has been installed in Bhelatand Colonies. 10 KLD has been installed at Sijua canteen and Bhelatand canteen individually. For Jamadoba group, 10 KLD STP/ETP installed in washery, Canteen, Garage and Hospital individually, other than that 60 KLD and 30 KLD installed at Digwadih Colony, 50 KLD installed at Railway Colony.

Date: 18/11/2025

3 Statutory compliance

Details of underground transportation of coal from mine to coal yard/ rail yard be submitted to the MoEF for record.

#### PPs Submission: Complied

Coal from the mine is sent to the captive Jamadoba coal washery for beneficiation purpose through a network of underground conveyor belts. The detailed diagram of transportation network has already been submitted in earlier compliance reports.

Date: 18/11/2025

4

WASTE MANAGEMENT

Adequate care be taken to prevent sand spillages from the trucks/tippers.

#### PPs Submission: Complied

The trucks that are being used for the transportation of sand are properly covered using tarpaulin sheets. Larger trucks have been engaged for reducing no of cycles. To ensure the compliance, every vehicle is checked as per vehicle checklist on PUC, Tyre /body condition, emission check at every entry point. Quality checks are done on trucks to ensure its health.

Date: 18/11/2025

5 WA

WASTE MANAGEMENT

The test results of the study of leaching of heavy metals from bottom-ash be submitted to SPCB and the regional office of the MoEF for monitoring.

A study charact concenter for disc	eristics of fly ash and bottom ash samp tration of heavy metals in the leachate	of Mines, Dhanbad to assess the leachability ples taken from us, has determined that the s were invariably well below the permissible limits andards IS 2490 (1993). The test results have also re-submitted in April-18.	Date: 18/11/2025
6	Corporate Environmental Responsibility	The CSR activities shall be need based and detaile prepared for implementation.	d CSR plan be
The CS only af	Submission: Complied R plan for each financial year is prepared proper discussions to assess the neamunities where our CSR activities are	ared by TSRDS (Tata Steel Rural Development Society eds have been held with the elected/ senior members of e to be undertaken.	Date: 18/11/2025
7	Corporate Environmental Responsibility	The detailed breakup of funds during 2012-13 be s MoEF for record. A social audit to be got done annuinstitute and uploaded on the company's website.	
The det viz. Intagency	egrated Reports are made annually for	tted to MOEF. The Corporate Sustainability Reports the company which is certified by an assurance to company. All the reports are uploaded on the Tata t is also conducted once in five years	Date: 18/11/2025
8	WASTE MANAGEMENT	There should be no OB dumps at the end of the mi	ning.
	Submission: Complied nis is an underground mine, it is not ap	pplicable.	Date: 18/11/2025
9	MISCELLANEOUS	Regular monitoring of subsidence movement on the and around the working area and impact on natural of water bodies, vegetation, structure, roads, and surrout continued till movement ceases completely. In case any high rate of subsidence movement, appropriate of corrective measures shall be taken to avoid loss of lit. Cracks shall be effectively plugged with ballast and soil/suitable material.	Irainage pattern, undings shall be of observation o effective fe and material.
Regula Dhanba	d. According to the subsidence report round mine workings are now at great	Central Institute for Mining and Fuel Research, s, the impact of subsidence is negligible since the depth and proper filling of voids through sand stowing	Date: 18/11/2025
10	Statutory compliance	If subsidence is found exceeding the permitted lim landowners shall be adequately compensated with mof the landowners.	
	Submission: Complied be strictly followed.		Date: 18/11/2025
11	Statutory compliance	Mining shall be carried out as per statuette at a safe the river/nallah flowing adjacent to the lease bounda	
	Submission: Complied	hardly any impact on the river/ nallah. The closest jore	Date: 18/11/2025

Since this is an underground project, there is hardly any impact on the river/ nallah. The closest jore is at a distance of about 2kms from the mine office area. Therefore, no impact on the course of flow

12	GREENBELT	High root density tree species shall be selected and pareas likely to be affected by subsidence.	lanted over
Impact	Submission: Complied ton land by subsidence has been for prepared by CIMFR, Dhanbad.	ound to be negligible as per the subsidence monitoring	Date: 18/11/2025
13	Statutory compliance	Coal extraction shall also be optimized in areas when production is continuing. Some pillars shall be left belo agricultural land. No depillaring & coal extraction show out below habitation, H.T. Lines & beneath road, water	ow the ald be carried
	Submission: Complied be strictly followed.		Date: 18/11/202:
14	Statutory compliance	Subsidence shall be monitored closely and if subside exceeding the permitted limits, then the landowners shadequately compensated with mutual agreement with the	all be
	Submission: Complied ar monitoring of subsidence is being	ng done by CIMFR, Dhanbad.	Date: 18/11/202.
15	GREENBELT	3-tier plantation should be developed 2 km stretch of mine using native species.	road from th
Plantat		en done. 3-tier plantation is not feasible due to presence of iery. However, plantation has been done on vacant plots and	Date: 18/11/202
Plantat private	tion along stretches of road has been		safety areas city shall be ne peak sudd he mine site
Plantat private areas  16  PPs : Garlan	WATER QUALITY MONITORING AND PRESERVATION  Submission: Complied and drains of adequate size and grade runoff. The details of size of garl	Garland drains (size, gradient and length) around the such as mine shaft and low lying areas and sump capac designed keeping 50% safety margin over and above the rainfall and maximum discharge in the area adjoining to Sump capacity shall also provide adequate retention per shaft and summary of the summary	safety areas city shall be ne peak sudd he mine sites
Plantat private areas  16  PPs 3 Garlan surface	WATER QUALITY MONITORING AND PRESERVATION  Submission: Complied and drains of adequate size and grade runoff. The details of size of garl	Garland drains (size, gradient and length) around the such as mine shaft and low lying areas and sump capacidesigned keeping 50% safety margin over and above the rainfall and maximum discharge in the area adjoining to Sump capacity shall also provide adequate retention per proper settling of silt material.	safety areas sity shall be ne peak sudd he mine site triod to allow Date: 18/11/202 halfields shou collution ource to sou dust, etc). It on the country and PM2.5 would help

Water sprinkling system shall be provided to check fugitive AIR QUALITY emissions from loading operations, conveyor system, haulage roads, 18 MONITORING AND transfer points, etc. Major approach roads shall be black topped and **PRESERVATION** properly maintained. **PPs Submission:** Complied Date: Water spraying arrangement is present in the underground mines at all transfer points. Water 18/11/2025 spraying via tankers is done on sand transportation routes. Major approach roads have been blacktopped and maintained regularly. AIR QUALITY Transportation of coal from the mine to railway siding should be by 19 MONITORING AND 20T mechanically covered trucks. **PRESERVATION** Date: PPs Submission: Complied 18/11/2025 Not applicable due to transportation of coal via underground belt conveyor network system directly to washery. A progressive afforestation plan shall be prepared and implemented over the mine lease area acquired and shall include areas under green belt development, areas along roads, infrastructure, along ML 20 **GREENBELT** boundary and township etc, by planting native species in consultation with the local DFO/Agriculture Department. **PPs Submission:** Complied Tree plantation activities are carried out every year on the barren/ degraded areas, areas along roadside, infrastructure, etc of the colliery leasehold. Apart from these, fruit plants are distributed to Date: 25/11/2025 employees and also to villagers, schools, institutions, etc. The environment department is responsible for implementing the afforestation plan which is prepared along with the mine management. High root density trees of native species are planted under annual plantation program and around 12313 Nos of saplings were planted in the FY25. Annexure I Regular monitoring of groundwater level and quality shall be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity shall be WATER QUALITY done four times a year in pre-monsoon (May), monsoon (August), 21 MONITORING AND post-monsoon (November) and winter (January) seasons and for **PRESERVATION** quality in May. Data thus collected shall be submitted to the MoEF&CC and to the CPCB quarterly within one month of monitoring. Date: PPs Submission: Complied 18/11/2025 The regular monitoring of groundwater level and quality is done as per the requirement. The groundwater quality report and groundwater level reports are provided in Annexure II. WATER QUALITY Acid Water Treatment Plant, volume of water to be treated and 22 MONITORING AND disposal of brine should be provided. **PRESERVATION** Date: PPs Submission: Complied 18/11/2025 Not applicable. WATER QUALITY Mine discharge water outside the ML shall be monitored, MONITORING AND 23 particularly for TDS and treated to conform to prescribed levels **PRESERVATION** before discharge into the natural environment. Date: PPs Submission: Complied 18/11/2025 There is one mine-water outlet point in the colliery which is regularly monitored by the

Environmental Laboratory.

24 WATER QUALITY MONITORING AND PRESERVATION The Company shall put up artificial groundwater recharge measures for augmentation of groundwater resource, in case water table shows a declining trend. The project authorities shall meet water requirement of nearby village(s) in case the village wells go dry due to dewatering of mine.

#### PPs Submission: Complied

Most of the water pumped out during underground mining activity is re-circulated back into the mine for the purpose of stowing. Backfilling of mine voids by stowing is done using sand which is having the porosity to hold the underground water thus helping aquifer to retain the underground water. Further, there are a number of ponds existing on the surface of the mining lease which act as natural reservoirs for recharging ground water. These ponds/ tanks are regularly cleaned and maintained by our CSR department. As per the hydro-geological report, the variation in the ground water level is only seasonal. The water requirement of the nearby villages is being met by the company already. Now piped drinking water is being provided.

Date: 18/11/2025

25

Human Health Environment

Besides carrying out regular periodic health checkup of their workers, 10% of the workers identified from workforce engaged in active mining operations shall be subjected to health checkup for occupational diseases and hearing impairment, if any, through an agency such as NIOH, Ahmedabad within a period of one year and the results reported to this Ministry and to DGMS.

#### **PPs Submission:** Complied

The periodic health checkup of the workers is done regularly by our Occupational Health Department, Tata Central Hospital, Jamadoba. We have a PME (Periodic Medical Examination) Centre approved by DGMS where 20 percentage of the workers identified from workforce engaged in active mining operations are subjected to full medical checkup including hearing impairment checkup, etc. These results are regularly submitted to DGMS as per mines rules. Some sample reports and as well as past records have been submitted in previous compliance reports.

Date: 18/11/2025

26

Statutory compliance

The mining in the existing mines would be phased out after expiry of the current mining lease and after reclamation of mined over area. The operating mines may be analyzed and monitored for compliance of conditions, having bearing with movement of wild life until such time they are closed/ phased out.

**PPs Submission:** Complied It is not applicable in our case.

Date: 18/11/2025

27

Corporate Environmental Responsibility

Project specific CSR for an amount of Rs 5/Tonne of coal production should be provided for the activities under CSR undertaken for the neighboring villages shall be for not less than Rs 10 per tonne of coal and the progress made thereon shall be uploaded by the company annually on the company website. Monitoring of the impacts of activities under CSR shall be carried out periodically.

## PPs Submission: Complied

The proposed CSR expenditure for the entire company is decided as per the new Company Rules. Once the CSR budget for company is fixed, a share of that amount is dedicated and utilized for implementing the CSR activities at our Jharia Division level. CSR data submitted is for Jharia Division which comprises all 5 collieries and 2 washeries. Jamadoba Washery, Digwadih Colliery and 6 and 7 Pits Colliery are adjacent to each other and fall under same leasehold area i.e. Jamadoba group of collieries. The core zone and buffer zone of all above units overlap to each other and in many cases, the villages are same where CSR work is going on. Therefore, we have a central budget for CSR which is managed by a team of experts who are dedicatedly involved in providing benefits and improving standard of living in over 50 plus villages and municipal wards. Hence, separate CSR expenditure for individual unit cannot be estimated. For calculation/ statutory reporting purpose, the consolidated CSR expenditure can be divided into unit-wise based on size of leasehold area of individual units. The progress report is uploaded every year on the company website. Internal social

Date: 26/11/2025

audits are carried out regularly to assess the impact of CSR activities.

A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.

PPs Submission: Complied

Mine Closure Plan has been approved by Ministry of Coal, New Delhi. Details on deposition of closure cost in escrow account along with expenditure incurred for progressive closure is regularly submitted to Office of Coal controller. Final mine closure along with details of corpus fund will be submitted to MoEF and CC 5 years in advance.

Date: 18/11/2025

Corporate Environmental Responsibility

Corporate Environment Responsibility: a)The Company shall have a well laid down Environment Policy approved by the Board of Directors. b)The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/conditions. c)The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished. d) To have proper checks and balances, the company shall have a well laid down system of reporting of noncompliances/violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

PPs Submission: Complied

**PRESERVATION** 

The Company already has an Environment Policy approved by the Managing Director and it addresses all the issues mentioned. The status of adherence to the policy and compliance to Environmental laws and regulations is regularly discussed at higher levels. Any non-compliance noticed is corrected at divisional level. If any issue is beyond our control, it is brought to the notice of higher management. Moreover, Digwadih Colliery is IMS (Integrated Management System: Quality Management System, Environment Management System and OHSAS) certified unit addressing all environment aspects, impacts and needs and expectation of interested parties with respect to environment protection.

Date: 18/11/2025

#### **General Conditions**

General C	onations		
Sr.No.	Condition Type	Condition Details	
1	MISCELLANEOUS	No change in technology and scope of working shall be made without prior approval of the MoEF.	
	<b>abmission:</b> Complied ag strictly followed. Board and Pillar i	method is being used for mining.	Date: 18/11/2025
2	MISCELLANEOUS	No change in the calendar plan including quantum of and waste being produced shall be made.	mineral coal
	<b>abmission:</b> Complied e strictly followed.		Date: 18/11/2025
3	AIR QUALITY MONITORING AND	Four ambient air quality monitoring stations shall be enthe core zone as well as in the buffer zone for monitoring PM2.5, SO2 and NOx. Location of the stations shall be on the metaerological data, topographical features and	g PM10,

on the meteorological data, topographical features and

environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board. Monitoring of heavy metals

		such as Hg, As, Ni, Cd, Cr, in RSPM etc. shall be carrionce in six months.	ed out at leas
The Air Colony, Kalimar indepen	Jamadoba (Buffer Zone) (iii)Digwadi ndir area (Buffer Zone) Monitoring of	nadoba Group Office (Core Zone) (ii)New Village h 12 No. Colony (Buffer Zone) (iv)6 and 7 Pits heavy metals in ambient air is being performed by an a and NABL) on quarterly basis. The results are	Date: 18/11/2025
ı	AIR QUALITY MONITORING AND PRESERVATION	Data on ambient air quality (PM10, PM2.5, SO2 and heavy metals such as Hg, As, Ni, Cr, etc) and other moshall be regularly submitted to the Ministry including i Office at Bhubaneswar and to the SPCB and the CPCE months. Random verification of samples through analy independent laboratories recognised under the EP Rule be furnished as part of the compliance report.	onitoring data ts Regional 3 once in six vsis from
Ambien s attach NABL r	ned as Annexure II. Additionally, third	O2 and NOx) for the period from Oct-24 to March-25 party monitoring is being done through a JSPCB and 2.5, SO2, NOx, CO, NH3, O3 and heavy metals (As, nnexure II.	Date: 18/11/2025
5	Noise Monitoring & Prevention	Adequate measures shall be taken for control of noise 85 dBA in the work environment. Workers engaged in drilling operations, operation of HEMM, etc shall be p ear plugs/muffs.	blasting and
Regular	ubmission: Complied noise survey is being conducted in the d with ear-plugs/ muffs in high noise a	e underground work environment. Workers are ureas.	Date: 18/11/2025
5	WATER QUALITY MONITORING AND PRESERVATION	Industrial wastewater (workshop and wastewater from shall be properly collected, and treated so as to conform standards including for heavy metals before discharge under GSR 422 (E) dated 19th May 1993 and 31st Decay as amended from time to time. Oil and grease trap shall before discharge of workshop effluents.	n to the prescribed cember 1993 o
No indu	age in Jamadoba where Effluent Treatr	radih Colliery premises. There is a central workshop ment Plant having oil and grease trap facility has been	Date: 18/11/2025
,	AIR QUALITY MONITORING AND PRESERVATION	Vehicular emissions shall be kept under control and monitored. Vehicles used for transportation of the mine covered with tarpaulins and optimally loaded.	
Only the Coal tra		es are being allowed to operate for sand transportation. and belt network. Only sand transportation is done ins as well as optimally loaded.	Date: 18/11/2025
3	Statutory compliance	Monitoring of environmental quality parameters shal through establishment of adequate number and type of monitoring and analysis equipment in consultation wit data got analysed through a laboratory recognised under 1986.	pollution h SPCB and

We havand and have al	alysis is also done at regular intervals	Laboratory with qualified personnel. The monitoring by a JSPCB and NABL accredited laboratory We ir Quality Monitoring Station at Jamadoba for real	Date: 18/11/2025
9	Statutory compliance	Monitoring of outlet points should be carried out as same should be maintained and submitted to the Reg the MOEF as part of the Compliance Report.	
There i		olliery which is regularly monitored by the alts have been provided as Annexure II.	Date: 18/11/2025
10	Human Health Environment	Personnel working in dusty areas shall wear protect devices and they shall also be provided with adequat information on safety and health aspects. Occupation surveillance programme of the workers shall be under periodically to observe any contractions due to export to take corrective measures, if needed.	e training and all health ertaken
Person		ovided with dust masks and have been given awareness ar PME (Periodic Medical Examinations) are being done.	Date: 18/11/2025
11	MISCELLANEOUS	A separate environmental management cell with supersonnel shall be set up under the control of a Senio will report directly to the Head of the company.	
We ha Enviro		nent Cell with qualified personnel . The reporting of anager of the Division. Environment policy has been	Date: 25/11/2025
12	Corporate Environmental Responsibility	The funds earmarked for environmental protection be kept in separate account and shall not be diverted purpose. Year-wise expenditure shall be reported to its Regional Office at Bhubaneswar.	for other
The Er with le		or Environmental protection measures and for complying mental expenditure for the financial year 2024-2025 is	Date: 18/11/2025
13	MISCELLANEOUS	The Project authorities shall advertise at least in two newspapers widely circulated around the project, one be in the vernacular language of the locality concern days of the clearance letter informing that the project accorded environmental clearance and a copy of the available with the State Pollution control Board and at the website of the ministry of Environment & Force	e of which shall ed within seven thas been clearance letter may also be see
		http://envfor.nic.in.	
	Submission: Complied peen complied with. Attached as Anne		Date: 18/11/2025

		company's website.	
	Submission: Complied een complied with. Attached as A	annexure V	Date: 25/11/2025
15	Statutory compliance	A copy of the clearance letter shall be displayed on the concerned State Pollution Control Board. The EC be displayed at the Regional Office, District Industry Collector's Office/Tehsildar's Office for 30 days.	etter shall als
	Submission: Complied een complied with.		Date: 18/11/2025
16	Statutory compliance	The clearance letter shall be uploaded on the compare The compliance status of the stipulated EC conditions uploaded by the project authorities on their website an least once every six months so as to bring the same in domain. The monitoring data of environmental quality (air, water, noise and soil) and critical pollutants such PM2.5, SO2 and NOx (ambient and stack if any) and of parameters shall also be displayed at the entrance of the premises and mines office and in corporate office and company's website.	shall also be d updated at the public parameters as PM10, critical sectora e project
The cle		n the companys website. The compliance status (as Half-ded in companys website. The display of information near	Date: 18/11/2025
17	Statutory compliance	The project proponent shall submit six monthly repo of compliance of the stipulated environmental clearand (both in hard copy and in e-mail) to the respective Reg the MOEF, the respective Zonal offices of CPCB and	ce conditions tional Office
	Submission: Complied ng complied		Date: 18/11/2025
18	Statutory compliance	The Regional Office of this Ministry located at Bhop monitor compliance of the stipulated conditions. The Fauthorities shall extend full cooperation to the office(s Regional Office by furnishing the requisite data/information/monitoring reports.	Project
	Submission: Complied be complied with.		Date: 18/11/2025
		The environmental statement for each financial year March in Form-V is mandated to be submitted by the proponent tot the concerned State Pollution Control Bo prescribed under the Environment (Protection) Rules,	oroject oard as

### **PPs Submission:** Complied

The environmental statement for financial year 2024-25 has been submitted to JSPCB vide letter no. JMB/ENV/ESSA/05/450/2025 on 30th September 2025 and it is also uploaded on the company website. The soft copy of Environment Statement is also sent to MOEF by email at ro.ranchi-mefgov.in.

Date: 18/11/2025

Visit Remarks	
Last Site Visit Report Date:	N/A
Additional Remarks:	

**Note:** This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.