



IndianOil
Barauni Refinery

Status as on 30.09.2021

Subject: Status of Environmental Clearance Conditions for Expansion of Barauni Refinery from 6 MMTPA to 9 MMTPA along with polymer units by M/s Indian Oil Corporation Limited at Barauni, District Begusarai (Bihar)- Environmental Clearance - reg.

Ref: Ministry's clearance letter no J-11011/15/2015 - IA-II (I) dated 15.02.2019 and 04.06.2020

SN	Point	Status
11	Terms and Conditions	
a)	Third party assessment for the environmental damage, if any, and differential impacts on environmental parameters due to excess crude processing (during the periods 2009-10, 2010-11, 2012-13, 2013-14, 2015-16, & 2016-17) shall be carried out by NEERI or by any other agency of repute, in a fixed time frame and the report shall be submitted to the ministry.	<ul style="list-style-type: none">• Study has been completed by M/s NEERI Nagpur in Jan 2020 and report submitted to MoEF&CC on 30.01.2020.• As per report no adverse impact of excess crude processing is observed and same has been accepted by MoEF&CC (Ref: Minutes of the 17th meeting of the Expert Appraisal Committee (Industry-2 sector) held during 25-27 February, 2020, Agenda 17.15)• Complied
b)	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, shall be obtained from the State Pollution Control Board as required.	<ul style="list-style-type: none">• With Ref. No.(ROB)NOC-1471/20/1220 Dated- 01.09.2021 Permission from BSPCB, under Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, available with validity till 31.08.2026.• Complied
c)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.	<ul style="list-style-type: none">• Presently no effluents discharged outside refinery.• Complied
d)	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and Solid Waste Management Rules, 2016 shall be	<ul style="list-style-type: none">• Authorization from BSPCB available with validity till 06.01.2024.• Complied

	obtained and the provisions contained in the Rules shall be strictly adhered to.	
e)	To control source and the fugitive emissions, suitable pollution control devices shall be installed with different stacks to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stacks of adequate height as per CPCB/SPCB guidelines.	<ul style="list-style-type: none"> • BELCO scrubber is installed in RFCCU for effluent scrubbing as a pollution control device. • Gaseous emission is dispersed through stacks of adequate height as per CPCB/SPCB guidelines for existing stacks and will be implemented in new units as well. • Complied
f)	The National Emission Standards for the Petroleum Oil Refinery issued by the Ministry vide G.S.R.186(E) dated 18 th March, 2008, as amended from time to time, shall be followed.	<ul style="list-style-type: none"> • Please refer Annexure-1 for detailed status for compliance of standards/norms for Oil Refinery Industry notified under the Environment (Protection) Rules, 1986 vide G.S.R. 186(E) dated 18th March, 2008. • Complied
g)	The National Emission Standards for Petrochemical (Basic & Intermediates) issued by the Ministry vide G.S.R.820 (E) dated 9 th November, 2012, as amended from time to time, shall be followed.	<ul style="list-style-type: none"> • Petrochemical units has not been constructed and compliance will be updated to include new units. • Complied
h)	Total fresh water requirement shall not exceed 24000 cum/day to be met from ground water through artesian wells. Necessary prior permission in this regard shall be obtained from the concerned regulatory authority.	<ul style="list-style-type: none"> • Presently, Barauni Refinery has necessary authorization from CGWA for 15624 m³/day. During, April 21 to Sept 21 average fresh water consumption was 14544 m³/day. • Prior permission will be taken from CGWA for enhancement of this limit to 24000 m³/day before project completion. • Complied
i)	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	<ul style="list-style-type: none"> • A separate storm water channel is there in the refinery which is reused for refinery operation post treatment. • Complied
j)	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and solvent transfer to be done through pumps.	<ul style="list-style-type: none"> • Hazardous chemicals have been stored in tanks, tank farm, drums etc. All class A petroleum storage tanks has been provided with Rim Seal Fire protection system. • Complied

k)	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF. The ash from boiler shall be sold to brick manufacturers/cement industry.	<ul style="list-style-type: none"> • Spent catalyst generated in RFCC unit is sent to cement industry for re-processing/co-processing. Pet coke is sold to authorized user. • No ash is generated at Barauni Refinery. • Complied
l)	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	<ul style="list-style-type: none"> • Compliance is already being done and will be expanded to include new units. • Complied
m)	Regular monitoring of Volatile Organic Compounds shall be carried out at vulnerable points.	<ul style="list-style-type: none"> • Monitoring of Volatile Organic Compounds is being done quarterly and will be increased to include new units. • Complied
n)	Oily sludge shall be collected for oil recovery and the residue shall be bio-remediated.	<ul style="list-style-type: none"> • Oily sludge is collected in 4 nos. Pits for oil recovery. Residual oily sludge is bio-remediated in Confined Space Bioreactor (CBR). • Complied
o)	Comprehensive water audit to be conducted on annual basis and report to the concerned Regional office of the Ministry. Outcome from the report to be implemented for conservation scheme.	<ul style="list-style-type: none"> • Water study for entire refinery has been carried out by FICCI and final report submitted in Sep 2021. Phase wise implementation of recommendations is being undertaken. • Complied
p)	Oil catchers/oil traps shall be provided at all possible locations in rain/storm water drainage system inside the factory premises.	<ul style="list-style-type: none"> • Oil catchers have been constructed at 7 strategic locations of the refinery • Oil containment booms have also been installed at 3 nos of strategic locations in the refinery. • Oil collected/trapped by oil catcher and oil containment booms are transferred to ETP mechanically through gully suckers. • The same facility will also be provided in the new units. • Complied
q)	The company shall undertake waste minimization measures as below:-	

	<p>(i) Metering and control quantities of active ingredients to minimize waste.</p> <p>(ii) Reuse of by-products from the process as raw materials or as raw substitutes in other processes.</p> <p>(iii) Use of automated filling to minimize spillage.</p> <p>(iv) Use of Close Feed system into batch reactors.</p> <p>(v) Venting equipment through vapour recovery system.</p> <p>(vi) Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p>	<p>All critical/important process lines have flow meters installed.</p> <p>All excess/byproduct gases generated are used as fuel gas. Any oil drained is routed to ETP for recovery and is reprocessed in AVUs/Coker.</p> <p>In OM&S Gantry, automated filling is done with process interlocks in place to avoid spillage.</p> <p>Batch reactors process occurs only in Coker unit. In this unit closed and automated feed system is in place.</p> <p>ETP has a VOC recovery system. Recovered vapour is passed through activated charcoal bed before venting.</p> <p>High pressure (hydrojet) is used to clean vessels, exchangers & pipelines when required.</p> <p>• Complied</p>
r)	<p>The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.</p>	<ul style="list-style-type: none"> • Total plot area of the refinery: 887.83 acres. • Green belt area in Refinery: 43.8 acres. • Green belt area in Refinery Township: 82.19 acres. • Total green belt area: 125.99 acres. • Since, there is no further land available for tree plantation in Refinery and township hence, an agreement has been done with Forest department on 21.10.2021 for 1,65,000 nos. trees plantation in 180 Hectare land. Application has been submitted on 26.10.2021 for amendment in EC for the same. <p>• Being complied</p>
s)	<p>All the commitments made to the public during hearing/consultation shall be satisfactorily implemented.</p>	<ul style="list-style-type: none"> • All the recommendations of public hearing has been complied. <p>• Complied</p>
t)	<p>At least 0.25% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.</p>	<ul style="list-style-type: none"> • Detailed ESR plan attached as Annexure-2. <p>• Being complied</p>
u)	<p>For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB</p>	<ul style="list-style-type: none"> • DG set is not used during normal refinery operation. It is used only in case of complete power failure; hence monitoring data is not available. Stack

	guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	<p>monitoring will be done whenever DG set will be in line.</p> <ul style="list-style-type: none"> • Stack height modification job completed. Acoustic enclosure job completed. • Complied.
v)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	<ul style="list-style-type: none"> • Noted for compliance. • Fire station has been established in the refinery for protection of possible fire hazards.
w)	Continuous online (24X7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	<ul style="list-style-type: none"> • 24 nos. of existing stacks are installed with online analyzers connected to the servers. • All upcoming new stacks will also be provided with online analyzers. • Web camera with night vision is installed in the channel/drain to Burrow pit. • For continuous monitoring of effluent, online analyser has been installed. • For flow meter, installation job is completed. • Complied.
x)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	<ul style="list-style-type: none"> • Pre – employment medical examination of all employees are carried out before joining the organization. Routine periodical medical examination as per statutory requirement is carried out on regular basis. • Being complied
y)	Process safety and risk assessment studies shall be carried out using advanced models and the mitigating measures shall be undertaken accordingly.	<ul style="list-style-type: none"> • For process safety and risk assessment, studies like HAZOP, QRA are carried out mandatorily before commissioning of any new process unit. Liquidation of recommendations of these studies is done in time bound manner. • Being complied
11.1 Generic Conditions		
i.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and/or any other statutory authority.	<ul style="list-style-type: none"> • Stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority are being followed. • Complied.

ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to the Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	<ul style="list-style-type: none"> • Noted for compliance. • Prior approval of ministry would be taken before carrying out any expansion or modification of the plant if required.
iii.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB), ensuring that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	<ul style="list-style-type: none"> • Five nos. of offline ambient air quality monitoring stations (four in refinery and one in township) and three nos. of continuous ambient air quality monitoring station has been provided at strategic locations at Barauni Refinery for monitoring of ambient air quality. • 03 Nos of additional ambient air monitoring stations installed in periphery villages of Refinery. • Ambient air quality is checked twice in a week in five nos. of offline ambient air quality monitoring stations as per MoEF&CC standards 2009. Report enclosed. • Complied.
iv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be complied with.	<ul style="list-style-type: none"> • Ambient air quality is checked twice in a week in five nos. of offline ambient air quality monitoring stations as per the National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009. • Complied.
v.	The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986.	<ul style="list-style-type: none"> • The ambient noise levels from existing facilities conform to the standards prescribed under standards prescribed under Environment (Protection) Act, 1986 Rules. Reports enclosed. • For personnel working in the proximity of high noise generating equipments, appropriate PPEs are used, and exposure is controlled through job rotation, education and awareness. • Adequate noise control measures shall be taken in new facilities in the project.

vi.	The company shall harvest rainwater from the roof tops of the buildings to recharge ground water and to utilize the same for different industrial operations within the plant.	<ul style="list-style-type: none"> • Rain water harvesting has been implemented at 21 buildings of Barauni Refinery and township in which water collected from roof top of various buildings is recharged to ground water. Total surface run-off of township is also being used for ground water recharge. • Storm water drain of the refinery has been routed to ETP and storm water is being reused in refinery operation after treatment along with ETP water except during heavy rainfall, when excess surface run off may have to be allowed to flow into Refinery owned pit (Burrow Pit) adjacent to refinery premise in the West. • In future rainwater harvesting for rooftops of building will be done as per requirement.
vii.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.	<ul style="list-style-type: none"> • Training is continuously imparted to all employees on chemical handling. • Pre – employment medical examination of all employees are carried out before joining the organization. • Routine periodical medical examination as per statutory requirement is carried out on regular basis. • The same will be done in future also.
viii.	The company shall comply with all 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, risk mitigation measures and public hearing shall be implemented.	<ul style="list-style-type: none"> • Presently Environmental Monitoring of all required parameters in Refinery is carried out periodically. The existing practice shall be extended for the proposed project as per EIA/EMP report.
ix.	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administrations and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.	<ul style="list-style-type: none"> • Being done based on the drawn up schedule as part of CSR. CSR plan is finalized in consultation with mukhiyas of surrounding villages. • Being complied.

x.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environment Management and Monitoring functions.	<ul style="list-style-type: none"> • BR has a full-fledged environment protection cell and a well equipped dedicated pollution control laboratory. • Complied
xi.	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Changes well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	<ul style="list-style-type: none"> • In addition to one time investment in facilities for combating pollution, separate funds are allocated for specific activities such as environment monitoring, operation and maintenance of effluent treatment plant, oil recovery from oily sludge through mechanized skid process and studies related to environment etc. • Being complied.
xii.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban local Body and the local NGO , if any, from whom suggestions/ representations, if any, were received while processing the proposal.	<ul style="list-style-type: none"> • A copy of the clearance letter has been submitted to concerned Panchayat, Zila Parishad. Enclosed as Annexure-3. • Complied
xiii.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	<ul style="list-style-type: none"> • A six monthly compliance report and the monitored data are submitted regularly. Will be done for this EC as well. • EC Compliance status of various projects is being hosted on https://www.iocl.com/Talktous/SNotices.aspx. Alternatively, one can reach IOCL home page at https://www.iocl.com and thereafter selecting "We're Listening" tab followed by opening "Statutory Notices". • Complied
xiv.	The environmental statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and	<ul style="list-style-type: none"> • Environment Statement for each financial year is submitted to Bihar State Pollution Control Board and MoEF&CC. Same is also sent to Regional Office of MoEF&CC by e-mail and hosted at the website https://www.iocl.com/Talktous/SNotices.aspx. • Complied

	shall also be sent to the respective Regional offices of MoEF&CC by e-mail.	
xv.	<p>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and the copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.</p>	<ul style="list-style-type: none"> • The information regarding accord of Environment clearance for the subject project has been advertised in two local newspapers. Copy enclosed as Annexure-4. • Complied.

Status and Action Plan for Compliance of Revised Emission and Effluent Standards 2008 at Barauni Refinery		
Schedule -I: Petroleum Oil Refinery		
A. Effluent Discharge		
SN	Standard	BR status and action plan
1	Treated Effluent Quality	No effluent is discharged outside refinery. Treated effluent is totally reused and its quality is maintained as per MINAS. Reports attached separately. Complied
B. Emissions		
SN	Standard	BR status and action plan
2	H ₂ S in Fuel Gas	H ₂ S in Fuel Gas is within limits as required under revised standards. Complied
3	SO ₂ Emissions	These parameters are monitored through online stack analyzers. These analyzers are directly connected to CPCB and BSPCB servers. Emissions are under within limit. Reports attached separately. Complied
4	NO _x Emissions	
5	CO Emissions	
6	Particulate Matter (PM) Emissions	Barauni Refinery processes more low sulphur crude in recent years. Only about 5% high sulfur crude processing takes place. As a result internal fuel oil quality has been improved w.r.t emission of particulate matter. Further, particulate matter analyzers have been installed in all stacks of refinery and connected to CPCB server since June-16. The online analyzer data available now help us fine tuning fuel firing and optimization of gas mix amongst various furnaces and the controlling the PM parameters within the statutory limit. COMPLIED.
7	Nickel and Vanadium (Ni+V) Emissions	COMPLIED.
8	Sulphur Content in Liquid Fuel	COMPLIED.
9	Continuous Monitoring System for SO ₂ & NO _x emissions	Continuous monitoring is done trough online analyzers. These analyzers are directly connected to CPCB and BSPCB servers. Complied

10	Opacity of Flue Gas ex FCCU Regenerators	> RFCCU was commissioned at Barauni Refinery along with flue gas scrubbing technology supplied by M/s Belco, USA. In the Belco unit, the flue gas is scrubbed with water & diluted caustic solution (<0.5 % concentration by wt.) to remove SOx and particulate matter. PM level in flue gas is less than 30 mg/Nm ³ . High volume of condensed water vapor generated during water scrubbing of flue gas escapes through the BELCO stack as whitish plume. Opacity meter under such condition is not considered relevant as it will not be effective due to high moisture content in flue gas. > Further, PM analyzers have been installed in RFCCU stack through which particulate matter ex- RFCCU stack is monitored, which is closely akin to monitoring of opacity in flue gas. Therefore opacity meter installation at RFCCU is not planned. > Complied.
11	Sulphur Recovery from SRU	SRU at Barauni refinery meets the revised standard. COMPLIED.
12	H₂S emissions from SRU	SRU at Barauni refinery meets the revised standard. COMPLIED.
C. Fugitive Emission		
SN	Standard	BR status and action plan
13	Storage tanks with capacity between 4 to 75 m³ and TVP of more than 10 kpa	Not Applicable.
14	Storage tanks with capacity between 75 to 500 m³ and TVP of 10 to 76 kpa	Not Applicable.
15	Storage tanks with capacity of more than 500 m³ and TVP of 10 to 76 kpa	Storage tanks of Crude, MS & SRN have TVP of 10 to 76 kpa. All such tanks are IFRT or EFRT. COMPLIED.
16	Storage tanks with capacity of more than 500 m³ and TVP of more than 76 kpa	Not Applicable
17	Provision of secondary seals in floating roof tanks	All such tanks at Barauni Refinery are equipped with double seal. COMPLIED.

18	Emission control in Rail Tank Wagon/ Road Tank Truck loading for Gasoline and naphtha for VOC reduction	Barauni Refinery complies most of the revised standards for petroleum refineries as notified in Gazette of India on 18th March'08 except vapor recovery system in tank wagon/tank truck. For VOC reduction of 99.5% and emission control to 5 gm/m ³ in case of Gasoline and Naphtha loading, VOC recovery system at Loading Gantry would be required. Existing gantry at Barauni refinery does not have adequate space for laying a bigger dia header all along the gantry and other equipments for vapour recovery system. It will also require the shutdown of product loading gantry for 3-4 months to install this facility. Outage of gantry for such a long period cannot be allowable in view of the chances of market dry out of the major petroleum products.
19	Equipments leak and LDAR programme	COMPLIED.
D. Emission Standards for VOC from Wastewater Collection and Treatment		
20	VOC Collection & Treatment System	VOC treatment system as a part of ETP modernization project has been installed and commissioned. COMPLIED.
Schedule -VI, Part C: Petroleum Oil Refinery		
SN	Standard	BR status and action plan
21	Quantum limit for discharge of total effluent	No effluent is discharged outside refinery. Treated effluent is totally reused.
22	Limit of quantity of effluent discharged	

Annexure-2

Planning of CER Projects of Barauni Refinery for the next 5-years

Status as on 30.09.2021

S.N	Activity/ Project details	Planned Exp (Rs. Cr)	Approved (Rs Cr)
1	Construction of Boundary Wall, Internal Road and provision of street lights in the Burrow Pit area of Barauni Refinery	12.32	12.32
2	Construction of Cross Drains in Keshawe Village to provide support to the villagers in order to avoid any water-logging inside the village.	6.14	6.14
3	Construction of 04(Four) Nos of classrooms in Middle School Govindpur located in the vicinity of Refinery	0.65	0.65
4	Building as Learning Aid in different schools of Begusarai District	1.37	1.37
5	Manure Management Project with Sudha Dairy in Technical Support by National Dairy Development Board (NDDB), Anand	1.13	1.13
6	Construction of 6-Bed Burn Ward in the Sadar Hospital Begusarai	3.86	3.86
7	Provision of Medical Grade Oxygen Cylinders with flow meter and disposable masks & pulse oxymeters for providing treatments to COVID patients by Begusarai District Administration	0.10	0.10
8	Establishment of PSA based medical-grade Oxygen Generation Plant at Govt Hospital, Teghra for COVID treatment facilities under CER Initiative of Barauni Refinery	1.43	1.43
9	Setting up of 50-Bed Pediatric Care Unit at Sadar Hospital Begusarai and Hospital & Provision of 3 Nos of Ambulances with service contract to Sadar Hospital Begusarai	7.52	7.52
10	Provision of 03 (Three) Nos of Ambulances to Sadar Hospital Begusarai under CER initiative of Barauni Refinery	2.24	2.24
11	Establishment of 01(One) Nos of PSA based Oxygen Generation Unit of capacity 450 M3/Hour with refilling capacity at Barauni Refinery under Corporate Environmental Responsibility	9.91	9.91
12	Construction of School Building in 10 (Ten) Govt Schools in Begusarai District .	7.00	NIL
13	Construction of Community Hall (Two nos) nearby Panchayats of Barauni Refinery- Mahna Panchayat (Rupaspur Village) & Nurpur Panchayat.	1.40	NIL
14	Installation of 10 (Ten) Nos Plasmacore Technology based machine (Eco Friendly , Make In India Project and comprehensive solution) for Municipal Solid Waste Management in Begusarai Town.	5.00	NIL
15	Construction of Multi-purpose auditorium in Govt Middle School in Jemra Village under Mosadpur Panchayat	0.75	NIL
16	Green-Belt Development as per the Statutory requirement against BR-9 Project	15.00	NIL
17	Sewerage Treatment Plant in Begusarai District	20.00	NIL
	Total	95.82	46.67

Note: Projects as identified above are tentative only and subjected to change based on the approval from District Administration as per CER policy in due course of time.

Annexure - 2.1

CSR Project details for the year 2021-22		
SI	Name of Project	Expenditure (Rs Lacs) (01.04.2021 to 30.09.2021)
1	Kendriya Vidyalaya School, Barauni	191.18
2	IndianOil Gyanodaya Scholarship Scheme	12.12
	Total	203.30



रिफाइनरीज प्रभाग
Refineries Division

इंडियन ऑयल कॉर्पोरेशन लिमिटेड
एन.ए. सिंगल-से-टुवेयर - एन.ए. प्रॉजक्ट बिहारमें
जिला, बेगूसराय बिहार - 851 114

Indian Oil Corporation Limited

Barauni Refinery, PO, Barauni Oil Refinery,

Dist. Begusarai Bihar - 851 114

Website: www.iocl.com

E-mail: baraunirefinery@indianoil.com

Phone: 06243 240159; 240110

Fax: 06243 240150/240278

ISO: 9001, 14001 & OHSAS: 18001 Certified Refinery



Ref.No.: TS/HSE/2020/02/ 1196

Date : 12.02.2020

To,
Municipal Commissioner
Begusarai Nagar Nigam
Begusarai, Bihar

Sub: Copy of EC received by IOCL, Barauni Refinery for record

Dear Sir,

A copy of Environmental Clearance from MoEF&CC, received by IOCL, Barauni Refinery via F. No. J-11011/15/2015-IA-II (I), for the project for **Expansion of Barauni Refinery from 6 MMTPA to 9 MMTPA along with polymer units**, is attached for your kind perusal and record

Thanking you.

Yours faithfully,

(M A Choudary)

GENERAL MANAGER (TS & HSE)

Encl As above

Handwritten signature and date
12/02/2020

12/02/20



रिफाइनरीज प्रभाग
Refineries Division

इंडियन ऑयल कॉर्पोरेशन लिमिटेड
राज्यी रिफाइनरी, बरौण, बंगो ज्वाल रिफाइनरी
जिला: बगसराय, बिहार, 851 114

Indian Oil Corporation Limited

Barauni Refinery, PO: Barauni Oil Refinery,

Distt: Begusarai, Bihar, 851 114

Website: www.iocl.com

E-Mail: barauni.refinery@indiaoil.in

Phone: 06241-240159 / 240111

Fax: 06241-240150 / 240278

ISO: 9001, 14001 & OHSAS: 18001 Certified Refinery.



Ref.No.: TS/HSE/2020/02/1141

Date : 12.02.2020

To,
Shri Arvind Kumar Verma, IAS
District Magistrate-cum-Collector
Begusarai, Bihar

Sub: Copy of EC received by IOCL, Barauni Refinery for record

Dear Sir,

A copy of Environmental Clearance from MoEF&CC, received by IOCL, Barauni Refinery via F. No. J-11011/15/2015-IA-II (I), for the project for **Expansion of Barauni Refinery from 6 MMTPA to 9 MMTPA along with polymer units**, is attached for your kind perusal and record

Thanking you,

Yours faithfully,

(M A Choudary)
GENERAL MANAGER (TS & HSE)

Encl: As above

F. No.J-11011/15/2015-IA-II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(IA Division)

Indira Paryavaran Bhawan
Jor Bagh Road, N Delhi - 3
Dated: 15th February, 2019

To,
M/s Indian Oil Corporation Limited,
Barauni Refinery,
District **Begusarai** (Bihar)

Sub: Expansion of Barauni Refinery from 6 MMTPA to 9 MMTPA along with polymer units by M/s Indian Oil Corporation Limited at Barauni, District Begusarai (Bihar) - Environmental Clearance - reg.

Ref: Online Proposal No.IA/BR/IND2/28027/2015 dated 2nd February, 2019.

Sir,
This has reference to your online proposal No.IA/BR/IND2/28027/2015 dated 2nd February, 2019 along with the EIA/EMP report containing public hearing proceedings for the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for expansion of Barauni Refinery from 6 MMTPA to 9 MMTPA along with polymer units by M/s Indian Oil Corporation Limited in a total area of 3592921sqm at Barauni, District Begusarai (Bihar).

3. The details of the existing/proposed products are as under:-

S. No.	Product/By-product	Existing (TMTPA)	Proposed (TMTPA)	Total (TMTPA)
1	LPG	318	169.1	487.1
2	Poly Propylene	0	203	203
3	Naphtha	83.4	35.3	118.7
4	MS (BS-VI)	1351.6	372.4	1724.0
5	Aviation Turbine Fuel	204.0	(-)0.8	203.2
6	Superior Kerosene	370.0	0	370.0
7	HSD (BS-VI)	2787.1	1833.9	4621.0
8	Fuel Oil	46.9	(-) 45.9	1.0
9	Bitumen	74.0	0	74.0
10	Carbon Black Feed Stock	0	0	0
11	Raw Pet Coke (LS)	154.0	(-) 30.0	124.0
12	Raw Pet Coke (HS)	0	184.0	184.0
13	Sulfur	21.7	34.3	56.0
14	Fuel & Loss	591	243.0	834
Total		6000	3000	9000

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श्री 212 सुरेश्वरी
06-04-019 Page 1 of 7
मुख्या
ग्राम पंचायत राज राचयाह
मदर पखण्ड बेगूसराय

F. No.J-11011/15/2015-IA-II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(IA Division)

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Jor Bagh Road, N Delhi - 3
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6/4/2019
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राम कर्णवृषी, रंजिवादी-बकावड
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Ministry of Environment, Forest and Climate Change
(IA Division)

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06/04/2019

शाम पचायत राज
ग्राम-मदिहानी (प.स.लगाय)

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(IA Division)

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01/15/2019 - 3/10/2019
for 2/10/2019
01/11/2019

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F. No.J-11011/15/2015-IA-II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(IA Division)

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कार्ड-अधिकारी केवालेन पंजाब
पंजाब के राज्य सरकार
ऑफिस PA
फोन नं- 7781017013 (अधिकारी के अतिरिक्त)

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असल- अक्षय कुमार गुप्ता
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01/4/2019
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Copy of advertisement regarding receipt of Environment Clearance in two local newspapers

Hindustan Times Page no.6 Patna Edition dated 20.02.2019

THE HC ALSO STRUCK DOWN THE RESOLUTION OF BIHAR'S BUILDING CONSTRUCTION DEPARTMENT AS IT ALSO SUFFERED

Former CM Jagannath Mishra is also occupying 41 Kranti Marg residence.

Former CM Jagannath Mishra is also occupying 41 Kranti Marg residence.

Former CM Jagannath Mishra is also occupying 41 Kranti Marg residence.

Reserve Price Earnest Money (EMD)	Date and Time of Auction
₹ 30,70,000/-	27.03.2019 11.00 a.m. to 03.00 p.m.
₹ 3,07,000/-	
₹ 10,000/-	
₹ 2,16,00,000/-	27.03.2019 11.00 a.m. to 03.00 p.m.
₹ 21,60,000/-	
₹ 10,000/-	
₹ 2,80,00,000/-	27.03.2019 11.00 a.m. to 03.00 p.m.
₹ 28,00,000/-	
₹ 10,000/-	

IndianOil
(REFINERIES DIVISION)
BARAUNI REFINERY
P.O.: Barauni Oil Refinery, Dist. Begusarai - 851114, Bihar.
(A GOVT. OF INDIA UNDERTAKING)

NOTICE

It is to bring to kind notice of all concerned that Barauni Refinery has received clearance for "Expansion of Barauni Refinery from 6 MMTPA to 9 MMTPA along with polymer units vide ministry's clearance letter no. J-11011/15/2015-IA-II(I) dated 15.02.2019". The estimated project cost is Rs. 8287 Crore. Detailed copy of Environment clearance letter is available with BSPCB website & may also be seen at website of ministry at <http://moef.nic.in>.

TR/NOTICE/2018-2019

TRIBAL COOPERATIVE MARKETING DEVELOPMENT FEDERATION OF INDIA LTD. (TRIFED)
(Ministry of Tribal Affairs, Govt. of India)
NCUI Building, 2nd Floor, 3, Siri Institutional Area, August Kranti Marg, New Delhi-110016
Tel.: 011-26968247, 26569064, 26560117
Fax: 091-11-26866149
Email: trifed.mfpdivision@gmail.com
Website: www.trifed.in

EXPRESSION OF INTEREST FOR APPOINTMENT OF PROJECT MANAGEMENT CONSULTANCY (PMC) FOR TRIFOOD

FCI ARAVALI GYPSUM AND MINERALS INDIA LIMITED
(A Govt. of India Undertaking) Mini Ratna - II Company
Mangu Singh Rajvi Marg, Patna, Jodhpur (Rajasthan)
Phone No. 0291-2544392, Website: www.fgml.nic.in

NOTICE INVITING TENDER

Online/Offline tenders under Two-Bid system are invited for jobs related to (1) Core Drilling job at Kanti Gypsum Mines (2) Preparation of Mining Plan of Lime Stone Mines located at Nogradhar (H.P.) (3) Transportation of Packed Gypsum Powder to Lucknow (U.P.) and Nearby areas (4) Auction of various scrap items located at our various offices/mines sites on "as is where is" basis. Full details can be seen on website www.fgml.nic.in. Any amendment/corrigendum will be posted on the website of the company.

GENERAL MANAGER

Nalanda UNIVERSITY
Raiglr, Dist- Nalanda, Bihar-803116

Tender Notice No.: NU/Adm/11/2018-19/03 Dated 20th February 2019.

Nalanda University is an institution of National Importance under the Ministry of External Affairs, and was established by an act of Parliament of India. It is a prestigious and international institution in East Asia with students and teachers from India and abroad. Following Tenders are invited from authorised and reputed AGENCIES:-

1. Tender for Housekeeping Services - Last date 12.03.2019
2. Tender for Horticulture Services- Last date 12.03.2019

For further details please visit www.nalandauniv.edu.in/Tenders.

Registrar

BHARAT COKING COAL LIMITED
(A subsidiary of Coal India Limited)

Ref. No: GM/KA-IV/Survey/18-19/4423 Date: 11.02.2019

E-TENDER NOTICE

Open E-Tender invited vide GM/KA-IV/Survey/18-19/4423 Dated: 11.02.2019 for the work of "Construction of 12 Nos. Isolation stopping in IV (Bot) (2/7 panel) of AKWM Colliery of Katras Area. Estimated cost: Rs. 12.65,886.00. EMD: Rs. 16,000.00 Time of completion: 100 days.

The tender documents can be downloaded from 26.02.2019 to 12.03.2019. All prospective bidders are advised to visit website <https://coalindiatenders.gov.in> for further details and to participate against this tender. Full details of this tender are also available on website "e-procure.gov.in".

Sd/-
Area Survey Officer, Katras Area

INTER UNIVERSITY ACCEL
ARUNA ASAF ALI MARG

Inter University Accel invites the proposals lat from Ion Beam Centre in Universities for r Satellite Centre of IUAC For detailed advertise www.iuac.res.in

संजाच नैष्कगल बैंक
GENERAL SERVICES ADMIN. D SECTOR - 4 B.S.

TENDER

Punjab National Bank invites e-tender for following Work:
CIVIL, FURNISHING, MODUL WORK, LIGHT FITTINGS & F BOKARO, SECTOR - 4, B.S.CIT Work is Rs. 52.60 lacs, EMD: R Tender download is from 19.0: downloading tender document submission is 11.03.2019 till encryption and bid submission 12.03.2019 till 1400 hrs. For details, visit our website - <http://pnbindia.biz> Any corrigendum/clariication shall be released only at our : and <https://pnbindia.biz> Date: 18.02.2019 Place : Bokaro

बैंक ऑफ इंडिया BOI
Bank of India Relationship beyond Banking.

SARFAESI Act, 2002

Whereas, The undersigned being the aut Securitisation and Reconstruction of Financial Act, 2002 and in exercise of powers conferred Security Interest (Enforcement) Rules, 2002

