

Ref: UML/Ranchi CPP/EC/MOEF/19-20/05/02

Dated: 27.05.2019

To

Dr. R.K.Dey, IFS, Addl. Charge
Addl. Principal Chief Conservator of Forests (C)
Ministry Of Environment, Forest & Climate Change,
Regional Office-Ranchi,
Bungalow No.A-2, Shyamli Colony, Ranchi-834002
Office No: 0651-2410007/2410002

Email: ro.ranchi-mef@gov.in

Subject: Submission of half yearly Compliance report of Conditions stipulated in EC granted to our 2X10 MW CPP at USHA MARTIN LIMITED, Tatisilwai, Ranchi for the period Oct'18 to March'19



Ref.: EC letter no: J-13012/122/2008-1A.II (T) dated 07-04-2011

Dear Sir,

We are herewith submitting the hard copies of half yearly Compliance report of Conditions stipulated in EC granted to our 2X10 MW Captive Power Plant, M/s USHA MARTIN LIMITED, Tatisilwai, Ranchi for the period Oct'18 to March'19 for your kind perusal and reference.


Thanking you and best regards,

Yours faithfully,
For Usha Martin Ltd., Ranchi

Tanmoy Sinha
(Sr.DGM-CPP)

Encl: Compliance status with all annexure

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103

	Captive Power Plant 2X10 MW CPP, Tatisilwai Ranchi	Environmental Clearance MOEF Letter No.: J-13012/122/2008-IA.II(T) dated 07-04-2011 Compliance status as on : 31.03.2019 Period : Oct' 18 to March' 19
-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Environmental Clearance Compliance Report (Period: Oct' 18 to March' 19)

Sub: 2 X 10MW Coal based Captive Thermal Power Plant at village Tatisilwai in Ranchi Dist., in Jharkhand - reg. Environmental Clearance

With reference to our letter dated 29.12.2010 & 28.10.2011 on the subject mentioned above, the Ministry of Environment & Forests has examined the application


2. It has been noted that the proposal is for setting up 2x10 MW Captive Coal Based Thermal Power Plant at village Tatisilwai, in Ranchi Distt., in Jharkhand. Land requirement will be 12.278 acres, which is within the extended boundary of the existing Steel Wire Plant. The co-ordinates of the site are at Latitude 23°21'56.07" N to 23°22'28.79" N and Longitude 85°25'14.29" E to 85°26'03.60" E. Coal requirement will be 0.183 MTPA, which will be obtained from own captive Lohari Coal Block near Daitonganj, in Jharkhand, which is about 200 Kms away. Environmental clearance for this coal block has been obtained. Ash and Sulphur contents in coal will be 41.70% and 0.3 to 0.5% respectively. About 0.0612 MTPA of Fly Ash will be generated, which will be supplied to cement manufacturer viz. M/s Holtec Cement Ltd. Source of water requirement will be from Subarnarekha River which flows at a distance of 0.5 Km from the boundary of the project site. Air cooled condenser will be used for main condensate cooling. Make up water requirement will be 26 cum / hr. There are no national parks, wildlife sanctuaries, heritage sites, tiger / biosphere reserves etc. within 10 km of the site. Public hearing was conducted on 14.09.2010. Cost of the project will be Rs 97.0 Crores.

3. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment 82; Forests vide S.O. 1533 (E), dated September 14, 2006.

4. Based on the information submitted by you, as at Para 2 above and others and presentation made before the Expert Appraisal Committee (Thermal Power) in its 17th Meeting held during February 7-8, 2011, the Ministry of Environment and Forests hereby accords environmental clearance under the provisions of EIA Notification dated September 14, 2006, subject to the compliance of the following Specific and General conditions

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISILWAI, RANCHI
JHARKHAND. PIN-835103

Environment Dept. 2X10 MW CPP, Ranchi

 usha martin	Captive Power Plant 2X10 MW CPP, Tatisilwai Ranchi	Environmental Clearance
		MOEF Letter No.: J-13012/122/2008-IA.II(T) dated 07-04-2011
		Compliance status as on : 31.03.2019
		Period : Oct'18 to March'19


With reference to the subject mentioned, please find the compliance status of conditions stipulated in EC granted to our 2X10MW CPP vide letter no. - J-13012/122/2008-IA.II(T) dated 07-04-2011

SPECIFIC CONDITIONS

A.	Specific Conditions:	Status
(i)	<p>Road transportation of coal shall be permitted for a limited period of 36 months only. The project proponent shall shift to railway transportation thereafter. The project proponent shall be vicariously responsible for liabilities incurred for road transportation such as accidental damages to public, coal fines emission from transporting trucks etc. The project proponent shall immediately start its action plan for rail transportation with consultation with the Railways and shall submit half yearly action taken report to the Ministry on the matter.</p>	<ul style="list-style-type: none"> • Application of EC amendment submitted via proposal no : UML/CPP/Ranchi / EC/ 18 I 12 / 05, Dated 20.12.2018 (Annex-1) • 26th EAC meeting for EC amendment held on 27.03.2019.MOM of the 26th meeting is attached as Annex-2 • As directed by the expert committee, technical feasibility study for rail network inside UML premises has been conducted through Mecon Ltd. & according to the study, plant land profile restricted on rake unloading yard. Detail study is attached as Annex-3

CPP (2 X 10MW)
 USHAMARTIN LTD.
 TATISILWAI, RANCHI
 JHARKHAND, PIN-835103


Environment Dept. 2X10 MW CPP, Ranchi

 usha martin	Captive Power Plant 2X10 MW CPP, Tatisilwai Ranchi	Environmental Clearance MOEF Letter No.: J-13012/122/2008- IA.II(T) dated 07-04-2011 Compliance status as on : 31.03.2019 Period : Oct'18 to March'19
-----------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

(ii)	<p>High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 50 mg/Nm³. Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.</p>	<ul style="list-style-type: none"> • Complied. • High Efficiency Electrostatic Precipitators (ESPs) has been installed • Provided Bag filters and static water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable areas.
(iii)	<p>Sulfur and ash contents in the coal to be used in the project shall not exceed 0.5 % and 34 % respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made of MoEF for suitable amendments to environmental clearance condition wherever necessary.</p>	<ul style="list-style-type: none"> • Complied. • However, An Amendment to use 42% ash has been recommended by EAC meeting held on 26-05-2015. Amendment letter is still awaited.
(iv)	<p>Stack of 70 m height shall be installed and provided with continuous online monitoring equipments for Sox, Nox and PM2.5 and PM10. Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack may also monitored on periodic basis.</p>	<ul style="list-style-type: none"> • Complied • Online monitoring equipments for SO_x, NO_x and PM_{2.5} and PM₁₀ has been installed & connected to JSPCB/CPCB server. Completion certificate attached as Annex-4 & 5 • A Mercury emission from stack has been checked on periodic basis. • Exit velocity of flue gas is maintained.
(v)	<p>Existing de-generated water bodies (if any) in the study area shall be regenerated at the project proponent's expenses in consultation with the state Govt.</p>	<ul style="list-style-type: none"> • There are no degenerated water bodies in the study area of CPP.

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103

Environment Dept. 2X10 MW CPP, Ranchi

	Captive Power Plant 2X10 MW CPP, Tatisilwai Ranchi	Environmental Clearance
		MOEF Letter No.: J-13012/122/2008-IA.II(T) dated 07-04-2011
		Compliance status as on : 31.03.2019
		Period : Oct'18 to March'19

(vi)	<p>Water requirement for running the plant shall be met from harvested rainwater and no ground water shall be extracted for the purpose.</p>	<ul style="list-style-type: none"> Water requirement for the project is met from the existing water commitment of WWR. Rain water harvesting system has been installed. No ground water is extracted. Complied.
(vii)	<p>Hydro-geological status (quality and quantity) of ground water shall be reviewed annually from an institute/ organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case and deterioration is observed specific mitigation measures shall be undertaken and reports/ date of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.</p>	
(viii)	<p>Source of water for meeting the requirement during lean season shall be specified and submitted to the Regional Office of the Ministry within three months.</p>	<ul style="list-style-type: none"> Source of water for the project is River Subarnarekha. We have already installed Rainwater harvesting system, so that the requirement of water can be met from Rainwater to a large extent in lean season. Complied.
(ix)	<p>No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.</p>	<ul style="list-style-type: none"> Complied.
(x)	<p>COC of 5.0 (as may be applicable) shall be adopted.</p>	<ul style="list-style-type: none"> Complied.

CPP (2 X 10MW)
 USHAMARTIN LTD,
 TATISIL WAI, RANCHI
 JHARKHAND, PIN-835103



Captive Power Plant

2X10 MW CPP, Tatisilwai
Ranchi

Environmental Clearance

MOEF Letter No.: J-13012/122/2008-
IA.II(T) dated 07-04-2011

Compliance status as on : 31.03.2019

Period : Oct'18 to March'19

(vi)	Water requirement for running the plant shall be met from harvested rainwater and no ground water shall be extracted for the purpose.	<ul style="list-style-type: none">• Water requirement for the project is met from the existing water commitment of WWR.• Rain water harvesting system has been installed.• No ground water is extracted.• Complied.
(vii)	Hydro-geological status (quality and quantity) of ground water shall be reviewed annually from an institute/ organization of-repute to assess impact of surface water and ground regime (especially around ash dyke). In case and deterioration is observed specific mitigation measures shall be undertaken and reports/ date of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.	
(viii)	Source of water for meeting the requirement during lean season shall be specified and submitted to the Regional Office of the Ministry within three months.	<ul style="list-style-type: none">• Source of water for the project is River Subarnarekha.• We have already installed Rainwater harvesting system, so that the requirement of water can be met from Rainwater to a large extent in lean season.• Complied.
(ix)	No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.	<ul style="list-style-type: none">• Complied.
(x)	COC of 5.0 (as may be applicable) shall be adopted.	<ul style="list-style-type: none">• Complied.

CPP (2 X 10MW)
USHAMARTIN LTD,
TATISIL WAI, RANCHI
JHARKHAND, PIN-835 103



Captive Power Plant

2X10 MW CPP, Tatisilwai
Ranchi

Environmental Clearance

MOEF Letter No.: J-13012/122/2008-
IA.II(T) dated 07-04-2011


Compliance status as on : 31.03.2019

Period : Oct' 18 to March' 19

(xi)	<p>A well designed rain water harvesting shall be put in place before commissioning of the plant. Central groundwater Authority/Board shall be consulted for finalization of appropriate rainwater harvesting technology/design within a period of three months from the date of this clearance and details shall be furnished.</p> <p>The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed. A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.</p>	<ul style="list-style-type: none">• Complied• Approval by Ground water division, Jharkhand & completion certificates are attached as Annex-6 & 7• ETP of latest technology consists of neutralizing pit, guard pond, clarifier, filter press, sludge treatment plant and storage tank etc have been installed to take care of the waste of Power plant. effluent• We also installed Sewage Treatment system (STP). All the function of ETP and STP are in closed loop, as such there will be no chance of getting mixed with storm water.• The output of ETP Treated water is used in Brick Plant & dust separation.• Maintain ZERO discharge from CPP• Complied.
(xiii)	<p>Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.</p>	
(xiv)	<p>Utilization of 100% Fly Ash generated shall be made from 4th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.</p>	<ul style="list-style-type: none">• There are 03 nos of fly ash brick production unit has been installed & all are in operation.

- ash utilization of 101% has been achieved Last Financial Year

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND, PIN-835 103


 usha martin	Captive Power Plant 2X10 MW CPP, Tatisilwai Ranchi	Environmental Clearance MOEF Letter No.: J-13012/122/2008- IA.II(T) dated 07-04-2011 Compliance status as on : 31.03.2019 Period : Oct'18 to March'19
-----------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

- The Ash utilization report for last six Months is attached for your ref. as Annex-8

(xv)	<p>Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Unutilized fly ash shall be disposed off in the ash pond in the form of slurry form. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) will be monitored in the bottom ash as also in the effluents emanating from the existing ash pond. No ash shall be disposed off in low lying area.</p>	<ul style="list-style-type: none"> • Complied. • No ash is disposed in low lying area.
(xvi)	<p>Ash pond (if any) shall be lined with HDPE/LDPE lining or any other suitable impermeable media such that no leachate takes place at any point of time. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.</p> <p>Green Belt consisting of 3 tiers of plantations of native species around plant and covering 33% of area shall be raised. Tree density shall not less than 2500 per ha with survival rate not less than 80%.</p>	<ul style="list-style-type: none"> • Complied. • Phase wise plantation has been commenced from the beginning of the project • Report is attached as Annex 9
(xvii)		
(xviii)	<p>The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for providing fluoride free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.</p>	<ul style="list-style-type: none"> • A NGO under M/s Usha Martin is engaged in its unwavering commitment to social responsibility. For over three decades, the company has invested ample man-hours and capital on community development projects for integrated prosperity in rural Jharkhand, through a CSR arm, Krishi Gram Vikas Kendra (KGVK). This NGO undertakes various development initiatives,


CPP (2 X 10MW)
 USHAMARTIN LTD,
 TATISILWAI, RANCHI
 JHARKHAND. PIN-835103

Environment Dept. 2X10 MW CPP. Ranchi

 usha martin	Captive Power Plant 2X10 MW CPP, Tatisilwai Ranchi	Environmental Clearance
		MOEF Letter No.: J-13012/122/2008-IA.II(T) dated 07-04-2011
		Compliance status as on : 31.03.2019
		Period : Oct'18 to March'19

		<p>following a model of Total Village Management (TVM). Focusing on key areas like Watershed development, agricultural productivity, better health practices, education, empowering women and encouraging micro enterprise.</p> <ul style="list-style-type: none"> • Completed.
(xix)	<p>An amount of Rs. 0.50 Crores shall be earmarked as one time capital cost for CSR programmed. Subsequently a recurring expenditure of Rs. 0.10 Crores per annum shall be earmarked as recurring expenditure for CSR activities. Details of the activities to be undertaken shall be submitted within one month along with road map for implementation.</p>	<ul style="list-style-type: none"> • Completed. CSR report Attached via <u>Annex-10</u>
(xx)	<p>While identifying CSR activities it shall be ensured that need based assessment for the nearby villages within study area shall be conducted to study economic measures with action plan which can help in upliftment of poor section of society. Income generating projects consistent with the traditional skills of the people shall be undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and jobs shall be imparted to identified villagers free of cost.</p>	<ul style="list-style-type: none"> • Completed • Social audit report is attached via <u>Annex-11</u>
(xxi)	<p>It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.</p>	

CPP (2 X 10MW)
 USHAMARTIN LTD.
 TATISIL WAI, RANCHI
 JHARKHAND, PIN-835103

 usha martin	Captive Power Plant 2X10 MW CPP, Tatisilwai Ranchi	Environmental Clearance
		MOEF Letter No.: J-13012/122/2008- IA.II(T) dated 07-04-2011
		Compliance status as on : 31.03.2019
		Period : Oct'18 to March'19

GENERAL CONDITIONS		Status
B.	General Conditions:	
(i)	Adequate safety measures shall be provided in the plant area to check/ minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.	<ul style="list-style-type: none"> • Complied
(ii)	Storage facilities for auxiliary liquid fuel such as LDO and/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	<ul style="list-style-type: none"> • Complied • NO liquid fuel used in boiler during this period.
(iii)	Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg, Cr, As, Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.	<ul style="list-style-type: none"> • Complied.
(iv)	Monitoring surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.	<ul style="list-style-type: none"> • Complied. • Samples checked on regular basis. Report attached as <u>Annex-12</u>
(v)	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	<ul style="list-style-type: none"> • Complied.

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103

Environment Dept. 2X10 MW CPP, Ranchi



Captive Power Plant

2X10 MW CPP, Tatisilwai
Ranchi

Environmental Clearance

MOEF Letter No.: J-13012/122/2008-
IA.II(T) dated 07-04-2011

Compliance status as on : 31.03.2019

Period : Oct'18 to March'19

(vi)	<p>Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 75 dBA. For people working in the high noise area, requisite personal protective equipment like earplugs/ ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc. shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/ less noisy areas.</p>	<ul style="list-style-type: none">• Complied.• Noise report is attached via <u>Annex-12</u>• Audiometric test has been carried out for all CPP employees.
(vii)	<p>Regular monitoring of ambient air ground level concentration of SO₂, NO_x, PM_{2.5} & PM₁₀ and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.</p>	<ul style="list-style-type: none">• Being Complied.• Monitored regularly in NABL Accredited Environmental laboratory.• 3rd party analysis reports of environmental parameters are attached for your ref. via <u>Annex-13</u>• We are now accredited by NABL for chemical testing of Environmental parameters. Accreditation certificate is attached as Annex-14
(viii)	<p>Provision shall be made for the housing of construction labour (as applicable) 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.</p>	<ul style="list-style-type: none">• Complied.

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND, PIN-835103



usha martin

Captive Power Plant

**2X10 MW CPP, Tatisilwai
Ranchi**

Environmental Clearance

MOEF Letter No.: J-13012/122/2008-

IA.II(T) dated 07-04-2011

Compliance status as on : 31.03.2019

Period : Oct'18 to March'19

(ix)	<p>The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forest at http://envfor.nic.in.</p>	<ul style="list-style-type: none"> • Complied.
(x)	<p>A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, urban local Body and the Local NGO, if any from whom suggestions / representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.</p>	<ul style="list-style-type: none"> • Complied. • Copy of Clearance letter sent is attached for ref. Annex 15.
(xi)	<p>An Environmental Cell shall be created at the project site itself and shall be headed by an officer of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization.</p>	<ul style="list-style-type: none"> • Complied
(xii)	<p>The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of GPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM2.5 & PM10), SO2, NOX (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.</p>	<ul style="list-style-type: none"> • Complied. • Link: http://www.ushamartin.com/about-us/ • Picture of Display board is attached via <u>Annex-16</u> • All prescribe parameters are included in display board.

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103



usha martin

Captive Power Plant

**2X10 MW CPP, Tatisilwai
Ranchi**

Environmental Clearance

**MOEF Letter No.: J-13012/122/2008-
IA.II(T) dated 07-04-2011**


Compliance status as on : 31.03.2019

Period : Oct'18 to March'19

(xiii)	<p>The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 shall also be sent to the respective Regional Offices of the Ministry by e-mail.</p>	<ul style="list-style-type: none"> • Complied. • Form-V is uploaded in website. • Link: http://www.ushamartin.com/about-us/
(xiv)	<p>The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.</p>	<ul style="list-style-type: none"> • Complied.
(xv)	<p>Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will upload the compliance status in their website and update the same from time to time at least six monthly basis. Criteria pollutants levels including Nox (from stack & ambient air) shall be displayed at the main gate of the power plant.</p>	<ul style="list-style-type: none"> • Complied. • Criteria pollutants levels including Nox (from stack & ambient air) are displayed at the main gate of the power plant.
(xvi)	<p>Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection</p>	<ul style="list-style-type: none"> • A separate fund is already allocated.

**CPP (2 X 10MW)
USHAMARTIN LTD.
TATISILWAI, RANCHI
JHARKHAND. PIN-835103**

Environment Dept. 2X10 MW CPP, Ranchi

	Captive Power Plant 2X10 MW CPP, Tatisilwai Ranchi	Environmental Clearance MOEF Letter No.: J-13012/122/2008- IA-II(T) dated 07-04-2011 Compliance status as on : 31.03.2019 Period : Oct'18 to March'19
-------------------------------------------------------------------------------------	-----------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------

measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.

(xvii)	<p>The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.</p>	<ul style="list-style-type: none"> The fund for this small project of Rs.100 cr. is already provided from the existing integrated fund for various projects' expansion Documents regarding financial closure for this project is attached in Annex-17 Noted for compliance
(xviii)	<p>Full cooperation shall be extended to the Scientists/ Officers from the Ministry / Regional Office of the Ministry at Bangalore / CPCB/ SPCB who would be monitoring the compliance of environmental status.</p>	<ul style="list-style-type: none"> Noted for compliance
5	<p>The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.</p>	<ul style="list-style-type: none"> Noted for compliance
6	<p>The environmental clearance accorded shall be valid for a period of 5 years to start operations by the power plant.</p>	<ul style="list-style-type: none"> Noted for compliance
7	<p>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 Environment (Protection) Act, 1986.</p>	<ul style="list-style-type: none"> Noted for compliance

CPP (2 X 10MW)
 USHAMARTIN LTD.
 TATISIL WAI, RANCHI
 JHARKHAND. PIN-835103



Captive Power Plant

2X10 MW CPP, Tatisilwai Ranchi

Environmental Clearance

MOEF Letter No.: J-13012/122/2008-IA.II(T) dated 07-04-2011

Compliance status as on : 31.03.2019

Period : Oct'18 to March'19

8	In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.	<ul style="list-style-type: none">• Noted for compliance
9	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974; the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.	<ul style="list-style-type: none">• Noted for compliance

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND, PIN-835103



usha martin

Usha Martin Limited

(Wire Ropes & Speciality Products Division)

Works : Tatisilwai, 835103, Ranchi, Jharkhand, India

Phone : (00 91 651) 3051 400 / 2265241

Fax : (00 91 651) 3051 409 / 410

CTN : 131400WB1986PLC091621

Website : www.ushamartin.com

e-mail : feedback@ushamartin.co.in

Ref No.UML/CPP/Ranchi/EC/18/12/05

Date: 20-12-2018

The Director,
Ministry of Environment, Forests and Climate Change
Indira Prayavaran Bhawan,
Jor Bagh Raod,
New Delhi-110003

Dear Sir,

Subject: 2x10 MW coal based captive power plant at village: Tatisilwai, Ranchi, in Jharkhand

Ref.: Amendment to Environmental Clearance accorded vide letter no. J-13012/122/2008-1A.II(T) dated 07-04-2011.

Reference above, we wish to submit as follows:

1. The above 2x10 MW Captive Power Plant was established in Tatisilwai Ranchi with a view to ensure uninterrupted power supply to Company's steel wire and wire rope plant which is required to prevent breakage of wire to ensure internationally accepted quality of wire ropes particularly for use in critical safety application. The Wire & Wire Rope Plant located in Tatisilwai, providing engagement to about 4400 workmen is dependent on the above captive power plant.

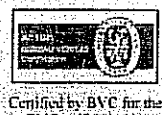
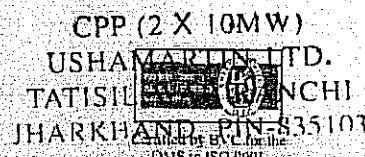
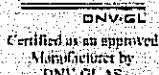
2. Environmental Clearance to the above project was accorded under EIA notification S.O. 1533(E) dated September 14, 2006 vide Ministry's letter No. J-13012/122/2008-1A.II(T) dated 07.04.2011 (Copy given in Annexure - I). The Plant started its operation with commissioning of 1st Unit on 31.03.2012. The 2nd unit was commissioned on 31.12.2012.

3. Specific Condition (i) of the EC stipulates as follows:

"Road transportation of coal shall be permitted for a limited period of 36 months only. The project proponent shall shift to railway transportation thereafter. The project proponent shall be vicariously responsible for liabilities incurred for road transportation such as accidental damages to public, coal fines emission from transporting trucks etc. The project proponent shall immediately start its action plan for rail transportation with consultation with the Railways and shall submit half yearly action taken report to the Ministry on the matter."

4. Facilities for handling coal do not exist at Tatisilwai Railway Station located at a distance of 1 KM. Letter No.O/PL/TIS/UML/13 dated 24.07.2013 of the Divisional Railway

Page 1



Manager, Ranchi states "there is no scope for handling coal at Tatisilwai Station Area". Hatia railway station at a distance of about 15/16 KM handles only outward coal (coal transported by road from nearby mines) traffic - Letter No. O/PL/TIS/UML/15 dated 11.12.2015 from Senior Divisional Operations Manager, S.E. Rly, Ranchi refers (Refer Annexure - VI).

5. We consistently pursued with the Ministry of Railways for development of siding at Tatisilwai. However, Senior Divisional Railway Manager has informed that it is techno-economically unviable. In this connection we also refer to your letter dated 11.08.2015 addressed to the Ministry of Railways enquiring about the factual position in respect to creating required facilities at Tatisilwai Railway Station. We are not aware of the response; you might have received from the Railways (Letters are attached in Annexure - VII)
6. Hon'ble Supreme Court of India vide its judgment dated the 25th August, 2014 read with its order dated the 24th September, 2014 cancelled allocation of all coal blocks including that of LOHARI Coal Block - which was to cater to the coal requirement of the above plant.
7. In view of non-existence of required facilities for transportation of coal by Rail and cancellation of Lohari Coal Block requiring change in the source, we submitted proposal for amendment of Environmental Clearance vide our letter UML/CPP/RANCHI/EC/15/01 dated the 23rd Feb., 2015 (copy given in Annexure II(a)) on the following three counts.
 - A. Correction of following typographical errors in EC issued on 07.04.2011.
 - (i) Land requirement to be read as 22.437 acres instead of 12.278 acres.
 - (ii) Restriction of ash content in coal to be read as 41.7% instead of 34.0%
 - B. Amendment to permit sourcing of coal from domestic/ overseas market depending on its availability and viability.
 - C. Permission of road transportation of Coal due to non existence of coal handling facilities.
8. Our proposal was discussed by the Expert Appraisal Committee in its 36th meeting held on 19th/20th May, 2015. The Hon'ble members of the Committee recommended as follows: (Extract of para 2 of the minutes of the meeting).

"Based on the information and clarifications provided by the Project Proponent, the detailed discussion and considering the status / progress of the project, the Committee recommended for sourcing of coal through e-auction and extension of permission for temporary road transportation of coal by three years i.e. till 31.03.2018 subject to the conditions given below. Further, the Committee also recommended for corrections in the EC i.e. land requirement shall be 22.437 acres



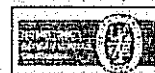
Certified as an approved
Manufacturer by
Lloyd's Register



Certified as an approved
Manufacturer by
DNV GL



Certified as an approved
Manufacturer by
American Bureau of Shipping



Certified by BVC for the
QMS to ISO 9001



Certified by BVC for the
EMS to ISO 14001

The extract containing entire minutes of our project is given in Annexure – II(b).

9. No EC amendment letter as recommended by the Expert Appraisal Committee has been received. Vide your letter dated 11.08.2015, we were however, advised to submit detailed plan for sourcing and transportation of coal after expiry of 3 years. Extract of the said letter is reproduced below for your ready reference:-

"2. You are requested to provide detailed plan for sourcing and transportation of coal after expiry of three years since this Ministry will not be in position to consider similar request time and again."

Vide our letters dated 24.08.2015, 14.12.2015, 17.03.2016, 04.07.2016 and 13.08.2016 it was submitted that facilities for rail transportation do not exist and Railways have not indicated their future plans for establishing such facilities.

10. Ministry had also approached Railway Board vide their letters 23.11.2015 and 20.10.2016 to ascertain plans for establishing facilities for coal transportation.

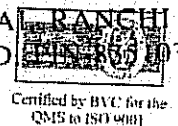
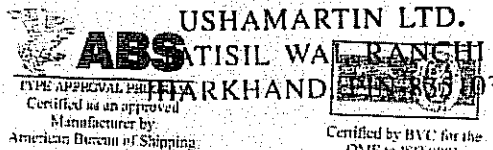
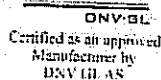
11. At present, the company has been sourcing coal through E-auction from the mines of Central Coalfields Ltd located within 200 Km periphery of the Plant. Central Coalfields Ltd has issued directive that lifting of coal for noncore consumers situated nearby collieries of CCL shall be permitted by road only. Their circular dated 09.09.2014 was submitted (Annexure - V) to your good self and is enclosed once again for your ready reference.

Also copy of some recent sale notifications for e-auction of coal by CCL are enclosed (Annexure – VI) wherein CCL specified condition of Road transportation of coal from their mines for nearby consumers.

12. Vide our letter UML/ CPP/Ranchi/EC/18/01 dated the 19th Feb., 2018 it was brought to your kind attention that no amendment to EC has been issued and in view of non existence of coal handling facilities at railways the company is continuing transportation of coal by road transport. The relevant para is reproduced below for your ready reference.

"Under these circumstances, we are required to continue transporting coal by road through mechanically covered trucks to the extent feasible, else through trucks covered by tarpaulin. We shall, however, start using rail transportation as soon as facilities are available"

You will kindly appreciate that transportation of coal by road was continued as Rail Mode was not available and it was required to operate the captive power plant to supply power to the wire and wire rope plant which is solely dependent on the captive power plant.



Regd. Office: 2A, Shakespeare Sarani, Kolkata 700071, India. Phone : (00 91 33) 3980 0300 / 2282 3955. Fax : (00 91 33) 2282 5306 / 5029 / 3980 0500 / 0400
E/OP-3-145/01 Rev. 1



usha martin

Usha Martin Limited

(Wire Ropes & Speciality Products Division)

Works : Tatisilwai, 835103, Ranchi, Jharkhand, India
Phone : (00 91 651) 3051 400 / 2265241
Fax : (00 91 651) 3051 409 / 410
CIN : L31400WB1986PLC091621
Website : www.ushamartin.com
e-mail : feedback@ushamartin.co.in

13. The Ministry vide its letter no. J-13012/122/2008-IA.II (T) dated the 13th April 2018 sought information in respect to date of commissioning of the power plant, mode of transportation since commissioning, feasibility of transporting coal by rail and coal source. The company vide its letter UML/PPP/RANCHI/EC/18/06 dated 24.04.2018 submitted information as desired. In connection with transportation of coal the company once again informed that:

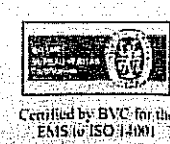
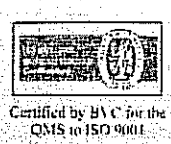
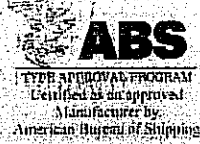
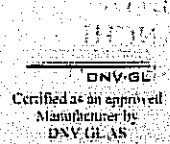
- (a) Hatia Railway Station located at a distance of about 15/16 KM handles only outward coal (transported by road from nearby mines) traffic. Infrastructure to handle inward coal rakes does not exist. A copy of letter no. O/PL/TIS/UML/15 dated 11.12.2015 from the office of the Senior Divisional Operation Manager, South Eastern Railway, Ranchi was also submitted.
- (b) Tatisilwai Railway Station located at a distance of 1 KM does not have coal handling facilities and no time line has been decided by the Railways for establishing such facilities. A copy of letter no. O/PL/RNC/Goods shed/TIS/18/286 dated 10.04.2018 from Senior Divisional Operations Manager was also submitted.
- (c) As per policy of the Central Coalfields Ltd., allotment of coal to nearby consumers shall be made by Road Mode only. Circular No. CCL/HO/C-4/S&M/FSA/Road Mode/9008-18 dated 09.09.2014 of Central Coalfields Ltd, Ranchi was also submitted.

14. In view of:

- (i) That, 2x10 MW Power Plant is captive source for power requirement of company's wire and wire rope plant.
- (ii) That, Coal requirement for the power plant is only 0.183 MTPA equivalent to 500 tons per day involving transportation by 20 tippers (25 ton capacity) per day.
- (iii) That, a study of impact of coal transportation from nearby mines has been carried once again. The study concludes that the existing road capacity, type and condition from mines to CPP are adequate to accommodate the additional traffic of 40 tippers (25 ton capacity) per day (to and fro).
- (iv) That, Lohari block has been deallocated by the orders of the Hon'ble Supreme Court and coal at present is being sourced through e-auction and as per policy of Central Coalfields Ltd only Road Mode is permitted in case of nearby customers.

We would request you to kindly grant approval for transportation of coal by road and accord permission for amendment of EC No.J-1302/122/2008-IA.II(T)dated 07.04.2011 as follows:

Page 4





usha martin

Usha Martin Limited

(Wire Ropes & Speciality Products Division)

Works : Tatisilwai, 835103, Ranchi, Jharkhand, India

Phone : (00 91 651) 3051 400 / 2265241

Fax : (00 91 651) 3051 409 / 410

CIN : L31400WB1986PLC091621

Website : www.ushamartin.com

e-mail : feedback@ushamartin.co.in

1. Amendment to Specific Condition (i) permitting sourcing of coal required for the 2x10 MW CPP from domestic/overseas source and permitting its transportation to the plant by road using mechanically covered trucks to the extent feasible else through tarpaulin covered trucks covering period from 01.04.2015.

The company shall transport coal by rail if and when facilities are established by railways subject to availability of wagons/rakes.

2. Rectification of typographical errors as per details given hereunder:
 - (i) Land requirement to be read as 22.437 acres instead of 12.278 acres.
 - (ii) Restriction of ash content in coal to be read as 41.7% instead of 34.0%.

15. We are enclosing herewith the following for your perusal.

(a) Duly Filled in Form-1 (Annexure III)

(b) Study Report of impact of coal transportation (Annexure IV)

We trust, our proposal shall meet your approval and look forward to your further instructions.

Thanking you and assuring you of our best attention.

For Usha Martin Ltd.


Authorized Signatory

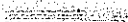
Enclosures: 1

Annexure	Brief Description
Annexure-I	Environmental Clearance accorded for the project date 07-04-2011
Annexure-II	a) Covering letter of our Proposal for EC amendment dtd. 23.2.15 b) Extract of relevant pages from Minutes of Meeting of 36 th EAC dt 19/20 May, 2015.
Annexure - III	Form - I
Annexure - IV	Traffic Impact study - for coal transportation of 0.183 MTPA from nearby CCL Mines
Annexure - V	CCL Circular dated 09.09.2014
Annexure - VI	Recent examples of CCL's spot e-auction offers stating "by road mode"
Annexure - VII	Chronology & letters exchanged with Railways.

Page 5



Certified as an approved Manufacturer by Lloyd's Register



Certified as an approved Manufacturer by DNV GLAS



TYPE APPROVAL PROGRAM Certified as an approved Manufacturer by American Bureau of Shipping



Certified by BVI for the EMS 16 ISO 14001



Certified by BVC for the EMS 16 ISO 14001

Usha Martin

Usha Martin Limited

701, "Surya Kiran" Building 19, Kirti Kirti Road, New Delhi - 110001
 Phone: (+91) (11) 2371 5220, 2381 5154/57738 Fax: (+91) (11) 231 0023/2332556
 Website: www.ushamartin.com

Ref: UML/CPP/Ranchi/EC/15/01

Dated : 23rd Feb., 2015

The Director,
 Ministry of Environment, Forests and Climate Change
 Indira Prayakaran Bhawan,
 Jor Bagh Road,
 New Delhi-110003

Kind Attention : Director, Member-Secretary (EAC-Thermal)

Subject: Request for Environmental Clearance Amendment for procurement of coal through e-auction and transport by road to the project for 2x10 MW coal based captive power plant at village Tatisilwai, Ranchi, and Jharkhand

Ref.: Environmental Clearance granted by MOEF - letter no :
 J-13012/122/2008-1A.II(T) dated 07-04-2011

Respected Madam,

Reference is invited to the environmental clearance accorded for 2X10 MW CPP at Tatisilwai Village, Ranchi vide ref. No : J-13012/122/2008-1A.II(T) dated 07-04-2011. Copy of the letter is attached for your ready reference at Annexure-I. The project has obtained NOC (Consent to Establish) on 26-08-2009 and Consent to Operate on 02-09-2011 and is under operation since 31-03-2012.

While obtaining the environmental clearance, it was envisaged that the source coal for the project shall be Lohari Coal Block near Daltonganj which is about 200km away. However, in respect to transportation of Coal, from Lohari Coal Block, the Environment Clearance accorded by the Ministry stipulates as follows:

Quote

Road transportation of coal shall be permitted for a limited period of 36 months only. The project proponent shall shift to railway transportation thereafter. The project proponent shall be vicariously responsible for liabilities incurred for road transportation such as accidental damages to public, coal fines emission from transporting trucks etc. The project proponent shall immediately start its action plan for rail transportation with consultation with the Railways and shall submit half yearly action taken report to the Ministry on the matter.

Unquote

M/s UML has consistently pursued with the Ministry of Railway in compliance of above stipulation. However, no permission for unloading of coal at Tatisilwai station is given. A brief of chronology and communications in this regard is given in Annexure-II.

Supreme Court of India vide judgment dated 25th Aug., 2014 read with its order dated 24th Sept., 2014 has cancelled allocation of all Coal Blocks including that of Lohari Coal Block. Coal requirement of the project shall be met by domestic and/or imported coal depending on its availability and viability.

At present, it is proposed that, coal shall be procured through e-auction from Piparwar, Ashoka mines which are situated at a distance of about 75 Km away till coal commitment is given for operating the captive Power Plant. The Central Coal Fields (CCL) issued a directive for Road transportation of E-Auction Coal from Piparwar, Ashoka mines. Copy of which is enclosed at Annexure-III.

The coal characteristics shall be within the approved characteristics of sulphur (0.3 to 0.5%) and ash (41.7%) while granting Environmental clearance by MoEF thus the Environmental impact of the Captive Power Project shall be within approved values.

In view of the, It is requested that the environmental clearance granted for the project may please be amended to procure 0.183 MTPA of raw coal (with same characteristics as permitted in EC) from nearby mines or through e-auction or import and transport to site.

The impact of transport of coal to the site has been carried by MOEF approved QCI accredited consultant M/S Minmec, Delhi and is enclosed. It can be seen from the report that

1. The ambient air quality shall be within the applicable standards around the Captive Power plant as the coal proposed to be procured is of same quality as that is permitted in Environmental Clearance.
2. There shall not any significant impact in transport of coal 0.183 (MTPA) which would be increase traffic by about 25 Trucks of 20 MT capacity.

The environmental Protection measures during transportation of coal are included in the report and the company shall implement the same.

These include Traffic Regulation by installation of Traffic Signals- Time Scheduling for movement of Trucks -- Plantation on either side of roads with the help of Villagers /locals.

Further the following is submitted for necessary rectification in the Environmental clearance granted for the project:

S.No	Reference	Text as given in EC	Correction / rectification sought	M/s UML submission
1	Para 2.0	Land requirement is 12.278 Acres	Land requirement for POWER PLANT is 12.278 Acres.	May please refer to the land requirement as submitted in Final EIA - EMP and Questionnaire- Copy attached at Enclosure-I for your ready reference.

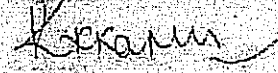
2	Specific condition (iii)	"Sulfur and ash contents in the coal to be used in the project shall not exceed 0.5 % and 34 % respectively at any given time.	Ash content of 41.7% instead of 34% as mentioned.	In view of the para 2.0 of the EC and Final EIA- EMP submissions.
---	--------------------------	--------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------	-------------------------------------------------------------------

With a copy of this letter we are approaching and requesting the Regional Office of the Ministry to submit EC Compliance report as required by the Ministry in accordance with the Memorandum dated 20.10.2009 and 30.05.2012.

In view of the above it is requested that specific condition (i) of the Environmental Clearance issued for our 2X10 MW CPP at Tatisilwai village, Ranchi be amended for permission to procure 0.183 MTPA of coal through e-auction and transport to site by Trucks.

Thanking you and assuring you of our best attention.

Yours faithfully,
For Usha Martin Ltd.



R.K. Kapur
Authorized Signatory

Enclosures:

Annexure	Brief Description
Annexure-I	Environmental Clearance accorded for the project date 07-04-2011
Annexure-II	Correspondence with Railway Authorities
Annexure-III	Traffic Impact study - for coal transportation of 0.183 MTPA from Ashoka & Piparwar Mines.

Note : Soft copy of the letter along with the report is attached as required by MOEF OM dated 20-03-12

MINUTES OF THE 36th MEETING OF THE RE-CONSTITUTED EXPERT APPRAISAL COMMITTEE ON ENVIRONMENTAL IMPACT ASSESSMENT OF THERMAL POWER & COAL MINING PROJECTS

The 36th Meeting of the reconstituted Expert Appraisal Committee (Thermal Power) was held on **19th-20th May, 2015** at Brahmputra Meeting Hall, Vayu Wing, First Floor, Indira Paryavaran Bhawan (New Building), Jorbagh Road, New Delhi-110003. The members present were:

- | | | |
|------------------------|---|---------------------------------|
| 1. Prof. C.R. Babu | - | Vice Chairman (Acting Chair) |
| 2. Shri T.K.Dhar | - | Member |
| 3. Shri A.K. Bansal | - | Member |
| 4. Shri G.S. Dang | - | Member |
| 5. Shri N.K. Verma | - | Member |
| 6. Shri N.S. Mondal | - | Member (Representative of CEA) |
| 7. Dr. S.S. Bala | - | Member (Representative of CPCB) |
| 8. Ms. Sanchita Jindal | - | Member Secretary |

In attendance: Dr. M. Ramesh, Scientist 'D', MoEF&CC.

Shri J.L. Mehta, Dr. C.B.S. Dutt, Dr. S.D. Attri, Dr. Ratnavel, and Dr. Asha Rajvanshi were not present.

Item No.1: CONFIRMATION OF THE MINUTES OF THE LAST MEETING.

The Minutes of the 34th EAC meeting held during 29th-30th April, 2015 were confirmed with the following correction.

The proposal No. 2.4 shall be read as, "Marwa Thermal Power Plant of 2x500 MW at Marwa, District Janjgir Champa in Chhattisgarh by M/s Chhattisgarh State Power Generation Company Ltd. - For Reconsideration for Extension of EC".

Item No. 2: CONSIDERATION OF PROJECTS

2.1 Barethi Super Thermal Power Project of 2640 (4x660) MW at Villages Barethi, Basari, Sandni & Satna, Tehsil Rajnagar, District Chhatarpur, Madhya Pradesh by M/s NTPC Ltd. - For EC.

The PP along with their environmental consultant, EMTRC Consultants Pvt. Ltd., Delhi made a presentation and inter-alia provided the following information:

- (i) ToR for carrying out EIA study for Barethi STPP (6X660 MW) was accorded by the Ministry initially on 09.09.2010, which was valid till 08.09.2013. Public Hearing was conducted on 17.06.2011 and the final EIA report was submitted to the Ministry on 18.10.2011. However, the same was not considered by the Ministry due to non-availability of firm coal linkage. Accordingly, the Project proponent (PP) had applied for fresh ToR for revised capacity of 2640 (4X660) MW, Stage-I and also requested for exemption of Public Hearing (PH).
- (ii) ToR for carrying out EIA study for Barethi STPP of 2640 (4X660) MW was accorded on 25.07.2014 with PH exemption as there was no change in the location of project site and no TPP or any other industry came up within 10 Km radius from the project site

EC dated 19.02.2008 had expired on 18.02.2013, the PP was asked to apply afresh for ToR. Hence, the instant application was made.

(ii) The proposed CPP will meet the power requirement of the proposed ISP and will be installed within the land already acquired for setting up the ISP. The land requirement for the CPP is 137 acres including ash dyke and green belt. The site is in conformity with CRZ regulations (500 m away from HTL) and guidelines of distance (500 m) from HFL of River, Highway and Railway line. There are no ecologically sensitive areas within 10 km radius of the site, no R&R issues and no litigations. The project cost is about Rs. 1,600 crores.

(iii) The coal requirement is 1.5 MTPA and is proposed to be sourced from Ichhapur coal block and transported by Rail. The raw water requirement is 698 m³/h and will be sourced from River Rupnarayan. Recirculating closed cycle cooling system with COC of 5.0 shall be used. Zero discharge concept will be adopted for the effluent treatment.

2. ToR for preparation of EIA/EMP for 660 MW (IPP) in the same location was accorded by the Ministry on 7.1.2014 and the baseline data was collected during December, 2014 - February, 2015. The PP requested for utilizing the same data for the preparation of the EIA/EMP for the proposed CPP. *The Committee agreed for the same.*

3. *Based on the information provided and the presentation made, the Committee observed that these are two different companies for ISP and CPP. Therefore, it cannot be considered as CPP. It would be considered as a separate power plant which will be supplying its whole electricity to the steel plant. The committee recommended the following ToR in addition to the standard TORs (as applicable) at Annexure-A1 for undertaking detailed EIA study and preparation of EMP.*

(i) *Certificate from SPCB that no other developmental activity has taken place in the study area since the collection of base-line data i.e. December, 2014 - February, 2015.*

2.6 Coal Based Thermal Power Plant of 2x300 MW (Phase-I) at Village Ghanmukh (Bijora), Mahagaon Taluk, Yavatamal District in Maharashtra by M/s. Jinbhuvish Power Generations Pvt. Ltd. - For Amendment of EC.

The PP informed that due to some unavoidable circumstances they are not in a position to come for presentation before the Committee. It was decided that this proposal may be taken up in the next meeting.

2.7 Coal Based Captive Thermal Power Plant of 2x10 MW at Village Tatisilwai, District Ranchi in Jharkhand by M/s. Usha Martin Ltd. - For Amendment of EC.

The PP along with their environmental consultant, Min Mec Consultancy Pvt. Ltd., New Delhi, made a presentation and inter-alia provided the following information-

(i) EC was accorded to the above CPP on 07-04-2011 and the same is under operation. As per the EC, the coal will be obtained from captive Lohari coal block near Daltonganj in Jharkhand, which is about 200 km from the project. While obtaining EC, it was also submitted that the coal requirement shall be met through local market/E-auction as the coal linkage is in process by Ministry of Coal. The coal characteristics proposed were GCV (2880 Kcal/Kg), sulphur (0.3 to 0.5%) and ash (41.7%).

(ii) The first unit of CPP (10 MW) was operational from 31.03.2012 and second unit of 10 MW was operational since 31.12.2012. However, only one of the units is in operation due to non-availability of JSEB Grid synchronization systems and thus only 10 MW Unit was in operation till April, 2014. During this period, coal requirement of about 180 TPD was met through various mines like – Purnadih (CCL), KDH, Ashoka Mines etc. through E-auction and High GCV Slag coal from Heavy Engg. Corporation, Ranchi through Window sale which are at a varying distances of 22 to 80 Kms from CPP. This coal was transported by road in 20 MT trucks.

(iii) The Lohari coal block has been de-allocated by the Hon'ble Supreme Court along with all the coal blocks. However, the PP has now been allocated Brinda-Sasai coal blocks in Chatra-Hazaribagh Districts of Jharkhand. The vesting order for the same has been issued on 22.04.2015. As the allocated coal block is yet to be developed, and shall take considerable time for commencement of production and supply to the project, it is requested initially, minimum of 3 years, be permitted for procurement of coal through E-auction from Ashoka Piparwar area and Sikni Mines and transport to the CPP.

(iv) Further, the EC stipulates at specific condition no. I that, "Road transportation of coal shall be permitted for a limited period of 36 months only. The project proponent shall shift to railway transportation thereafter. The project proponent shall be vicariously responsible for liabilities incurred for road transportation such as accidental damages to public, coal fines emission from transporting trucks etc. The project proponent shall immediately start its action plan for rail transportation with consultation with the Railways and shall submit half yearly action taken report to the Ministry on the matter."

(v) The nearest railway siding is Tatisilwai (approx. 1 km from CPP). It is a loading siding and no provision for unloading is there. As per MOEF's stipulation, the PP has pursued through various correspondence since 2011 for development of this siding. Divisional Railway Manager (DRM), Hatia has informed that there is no scope for coal handling at Tatisilwai (as it is tech-economically unviable). For small quantities of coal, railways does not give rakes. Further, Central Coal fields Ltd. (CCL) has issued letter dt. 09.09.2014 stating that "from October, 2014 onwards, the coal allotment will be made by road mode only" for non-core consumers. A study of existing rail & road network brings out that road transportation needs to be done in addition to the rail transport and material handling.

(vi) A study of impact of coal transportation by road for the requisite coal 0.183 MTPA (500 TPD) by 20 T trucks was carried from the two sources of coal either in part or in full, namely, Ashoka and Piparwar mines (e-auction) of CCL or Sikni (purchase) or a combination of both. The distance from Sikni and Ashoka/Piparwar mines to the Plant is 106 Km and 84 Km respectively. The proposed routes are State Highways and maintained by the State Govt.

(vii) The study concludes that the existing road capacity, type and condition from mines to CPP are adequate to accommodate the additional traffic of 50 Trucks/day (to & fro) for 500 TPD coal movement (maximum of 2 trucks per hour). No bottle necks and issues were found at any location at the time of study & there were no traffic jams observed. When the Passenger Car Units (PCU) projections for the future percent utilization were estimated, it was found that the carrying capacity (as per IRC 64-1990) at all Census points were within limits. However, at Bijupara needs attention as already 96.8% of the capacity is being utilized. The resultant concentrations of PM₁₀, CO and NO_x shall remain within limits after additional traffic load. Environment protection measures were also suggested.

(viii) Further, there are typographical errors in the EC in respect of Land i.e. actual land proposed was 22.437 Acres instead of 12.278 Acres mentioned in EC and ash content in coal proposed was 41.7% instead of 34% stipulated in Specific Condition (iii) of the EC. Hence, corrections in the EC are requested.

2. Based on the information and clarifications provided by the Project Proponent, the detailed discussion and considering the status/progress of the project, the Committee recommended for **sourcing of coal through e-auction and extension of permission for temporary road transportation of coal by three years i.e. till 31.03.2018** subject to the conditions given below. Further, the Committee also recommended for corrections in the EC i.e. land requirement shall be 22.437 Acres instead of 12.278 acres and restriction of ash content in coal shall be 41.7% instead of 34%.

- i) Coal shall be procured by e-auction only and not from open market
- ii) The transportation by road shall be through mechanically covered trucks to the extent feasible, else through trucks covered by tarpaulin.
- iii) Explore the possibility of upgrading road shoulders into pakka road in consultation with the State Govt.
- iv) Periodic maintenance of the road shall be done by the project proponent at its own expenses and shall also facilitate the traffic control on the road in consultation with the State Govt.
- v) Avenue plantation of 2/3 rows all along the road shall be carried out by the project proponent at its own expenses in consultation with the State Govt.
- vi) The PP shall advertise in the local leading newspapers and place on the website, the temporary permission accorded by the Ministry for public information.

2.8 Coal Based Captive Thermal Power Plant of 2x67.5 MW at Village Anantapur, Tehsil Athagarh, Distt. Cuttack, Orissa by M/s. Bhubaneswar Power Pvt. Ltd. - For Extension of validity of EC.

The PP made a presentation and inter-alia provided the following information-

(i) EC was accorded to the above proposal by the Ministry on 14.05.2010. One of the Specific Condition of the EC is that, EC is subject to obtaining prior clearance from the NBWL under WL (Protection) Act. 1972. Application for NBWL clearance was made on 03.06.2010 and was received on 22.08.2012 (26 months). In addition to the delays in receiving the approvals from the State and Central Governments to start the project, the construction and schedule of the project have been adversely affected due to Cyclone Phailin in October 2013 & Cyclone Hudhud in October 2014.

(ii) The Plant construction is 85% complete. The detailed progress of various units/facilities along with photographs was presented. The time required to complete the balance activities was also submitted. A minimum period of 20 months would be required for operation of the Units.

(iii) The delay in starting the Project because of the time taken for receiving the NBWL Clearance also had its impact on the Railway Siding for the project. The Railway Siding



CCL

A Miniratna Company

CENTRAL COALFIELDS LIMITED
(Govt. of India Undertaking)
SALES & MARKETING DIVISION
DARBHANGA HOUSE, RANCHI 834 020
Tele: 0651-236 5736
Website: www.ccl.gov.in

No. CCL/HQ/C-4/SBM/FSA/Road Mode/9008-15

Dated: 09/09/2014

To,

Sub : Lifting of coal through Road Mode from October 2014 onwards for noncore consumers situated nearby the collieries of CCL.


Dear Sir,

In continuation to our earlier letter no. CCL/HQ/C-4/FSA/Road mode/7388 dated 04/05-08-2014 for lifting of coal by Road mode and circulation of minutes of the meeting held with nearby consumers of CPP/Sponge Iron on 8th August 2014 at CCL, Ranchi vide letter no. CCL/HQ/C-4/8073 dated 22-08-2014, this is to inform you that from October 2014 onwards the coal allotment will be made by Road mode only. In this regard decision of the meeting held on 8th August 2014 is quoted below:

"All the concerned consumers should submit their consent for shift their mode of dispatch from Rail to Road from 1st October 2014. Further, all the concerned consumers were advised to sign a side agreement with CCL for inclusion of RAIL/ROAD mode in their FSA in case consumer is having only RAIL mode of transport in FSA".

Road Sale Offer shall be made from October 2014. After deposition of full coal value of the allotted monthly quantity, sale orders will be issued from CSC, CCL, Ranchi. These sale orders are required to be submitted at concern colliery for lifting of coal by Road mode. No offer/allotment will be done from 1st October 2014 by Rail mode against the FSA of the your unit till further order.

You are therefore requested to visit the CCL's website www.ccl.gov.in for formalities of bank mandate for coal value deposition from Oct'14 quota or visit the office of Road Sale or Computerized Sale Centre (CSC), Darbhanga House, Ranchi for further queries. You are also requested to submit the copy of same set of annual document submitted at CCL Kolkata office for release of coal during 2014. In addition to above you have to submit the monthly documents from October 2014 onwards.


General Manager (SBM)
CCL, Ranchi

Enc: Bank Mandate form, notice for annual documents and monthly documents

Annexure - VI

**CENTRAL COALFIELDS LIMITED
SALES & MARKETING DIVISION
"DARBHANGA HOUSE": RANCHI**

No. CCL/HQ/C-4/ SPL. SPOT E-AUCTION/Nov.'18/16577

Dated: 27/11/2018

SCHEDULE & MODALITIES REGARDING SPECIAL SPOT E-AUCTION -2018-19-PHASE-II

It is for information of all Buyers that Special Spot E-Auction-2018-19-Phase-II is scheduled to be held on **4th December'2018 through M Junction Limited.**

The Special Spot e-Auction will be conducted as per the terms and conditions followed for Special Spot e-Auction-2018-19-Phase-I & Scheme for Spot e-Auction of CIL. The basic eligibility criteria for the prospective consumers shall remain as clause 1 of existing Spot e-auction scheme of CIL. The relevant condition for validity period and schedule of lifting would be as below:-

1. The e-Auction is being conducted for 3 (three) months period i.e. from Dec.'18 to Feb.'19.
2. The successful bidder shall have to give declaration regarding distribution of quantity in three months period i.e. from Dec.'18 to Feb.'19 within 7 days of auction.
3. The successful bidder would be required to make the payment for Dec.'18 within 10 (ten) working days of e-Auction, for Jan.'19 to Feb.'19 by last working day of preceding month.
4. Lifting validity for all months' quota under Road mode would be 28/02/19.

Further, following modalities would also be applicable for this e-Auction:-

"Applicable price on the date of despatch of coal would be variable in line with the changes in the notified price of CIL, i.e. the percentage increase over the Reserve Price at which the bid is clinched, shall be applicable over the revised Reserve Price arising out of price revision, if any, on the date of dispatch. However, any change in the methodology/guiding principle for determining the reserve price in subsequent days would not be applicable for revision of current method of determining the reserve price, except for change in the notified price as mentioned above."

For any other enquiry regarding the same, contact details are as follows:-

Details of M/s Mjunction is as under:

Godrej Water Side, Tower 1, 3rd Floor,
Plot No.5, Block DP Sector V, Salt Lake City
Kolkata - 700091

Contact Persons at M/s Mjunction:

(Toll Free) | 1800 419 20001
Website: <http://www.coaljunction.in>
E-mail: coaljunction@mjunction.in

Sd/-
GM (M&S), CCL

Copy to:

1. Director(F), CCL
2. TS to CMD, CCL
3. GM(M&S), CIL, Kolkata
4. GM (System) - kindly direct the concerned to upload the same on CCL website.
5. All Area GMs, CCL
6. Chief Manager (M&S/RS), CCL., Ranchi
7. Sr. Manager(Fin./CSC) / (M&S/Traffic), CCL
8. Notice Boards, S&M Deptt. CCL Ranchi/ CSC, M&S., CCL., Ranchi / CCL Desk office Kolkata
9. M/s. M Junction Ltd.-through e-mail

Welcome Chandan Jha

Proceed To Home

Sign Out

e-Auction Details

Server Time: 2018/09/11 10:37:31

e-Auction No	Opening Date & Time	Closing Date & Time
MSTC/HO/Central Coalfields Limited - Road/11/Jharkhand State/18-19/62	2018-09-14::14:00:00	2018-09-14::16:00:00

Seller Details

Location	Street	City	Country	Telephone	FAX	Email	Contact Person
Jharkhand State	Darbhangra House	Ranchi-834001	INDIA	91651-2360369	91651-2360369	cilcoal2010@gmail.com	Sri Rajeev Gupta

UOM = Unit of Measurement

Lot No	Lot Description	Quantity & UOM	Reserve Price/MT	Location
09 S4649	GCV : 4601-4900 .Product Type: SLURRY . To be delivered by road. Delivery Period Is 6(six) months.	230000.0 MT	1778.00	KATHARA W. SLURRY
10 S3740	GCV : 3701-4000 .Product Type: SLURRY . To be delivered by road. Delivery Period Is 6(six) months.	30000.0 MT	1382.00	SWANG W. SLURRY
11 S3740	GCV : 3701-4000 .Product Type: SLURRY . To be delivered by road. Delivery Period Is 6(six) months.	50000.0 MT	1382.00	PIPARWAR SLURRY (MECHANICAL LOADING)
12 S5861	GCV : 5801-6100 .Product Type: SLURRY . To be delivered by road. Delivery Period Is 6(six) months.	50000.0 MT	3558.00	RAJRAPPA SLURRY
13 R3134	GCV : 3101-3400 .Product Type: REJECT . To be delivered by road. Delivery Period Is 6(six) months.	50000.0 MT	1166.00	GIDI W. REJECTS
14 R2225	GCV : 2201-2500 .Product Type: REJECT . To be delivered by road. Delivery Period Is 6(six) months.	25000.0 MT	697.00	SWANG W. REJECTS
15 R2528	GCV : 2501-2800 .Product Type: REJECT . To be delivered by road. Through payloader loading. Delivery Period Is 6(six) months.	50000.0 MT	785.00	KARGALI W. REJECTS (P/L)
16 R2831	GCV : 2801-3100 .Product Type: REJECT . To be delivered by road. Delivery Period Is 6(six) months.	20000.0 MT	920.00	PIPARWAR W. REJECTS

Special Terms and Conditions

Bidders should read the Terms & Conditions of Special Spot e-Auction Scheme carefully before bidding and satisfy itself about its eligibility to bid as per the eligibility condition. Coal will not be supplied to the non eligible bidders.

CLICK HERE FOR DETAILED TERMS & CONDITIONS FOR SPECIAL SPOT E-AUCTION SCHEME 2018-19 Phase-I

 Welcome Chandan Jha

Proceed To Home

Sign Out

e-Auction Details

Server Time : 2018/09/11 12:58:47

e-Auction No	Opening Date & Time	Closing Date & Time
MSTC/HO/Central Coalfields Limited - Road/10/Jharkhand State/18-19/61	2018-09-14::11:00:00	2018-09-14::13:00:00

Seller Details

Location	Street	City	Country	Telephone	FAX	Email	Contact Person
Jharkhand State	Darbhangra House	Ranchi-834001	INDIA	91651-2360369	91651-2360369	clcoal2010@gmail.com	Sri Rajeev Gupta

UOM = Unit of Measurement

Lot No	Lot Description	Quantity & UOM	Reserve Price/MT	Location
01 N4346	GCV : 4301-4600 .Grade Size: ROM . To be delivered by road. Through payloader loading. Delivery Period is 6(six) months.	100000.0 MT	1596.00	Magadh OC
02 N3740	GCV : 3701-4000 .Grade Size: ROM . To be delivered by road. Through payloader loading. Delivery Period is 6(six) months.	100000.0 MT	1382.00	Magadh OC
03 N3740	GCV : 3701-4000 .Grade Size: ROM . To be delivered by road. Through payloader loading. Delivery Period is 6(six) months.	100000.0 MT	1382.00	Amrapali Coal Sales Centre
04 N4346	GCV : 4301-4600 .Grade Size: ROM(-100 MM) . To be delivered by road. Through payloader loading. Delivery Period is 6(six) months.	200000.0 MT	1596.00	Amrapali Coal Sales Centre (SM)
05 S2528	GCV : 2501-2800 .Product Type: SLURRY . To be delivered by road. Delivery Period is 6(six) months.	50000.0 MT	785.00	GIDI-W SLURRY
06 S6164	GCV : 6101-6400 .Product Type: SLURRY . To be delivered by road. Through payloader loading. Delivery Period is 6(six) months.	10000.0 MT	3900.00	KEDLA-W SLURRY (PL)
07 S5558	GCV : 5501-5800 .Product Type: SLURRY . To be delivered by road. Through payloader loading. Delivery Period is 6(six) months.	30000.0 MT	3281.00	KEDLA-W SLURRY (PL)
08 S5255	GCV : 5201-5500 .Product Type: SLURRY . To be delivered by road. Delivery Period is 6(six) months.	36000.0 MT	3004.00	KATHARA W. SLURRY

Special Terms and Conditions

Bidders should read the Terms & Conditions of Special Spot e-Auction Scheme'carefully

SPOT E-AUCTION OFFER

**SERVICE PROVIDER : M JUNCTION LIMITED
SALE OF RAW COAL/ SLURRY BY ROAD MODE**

AUCTION DATE : 4th June'18

SALE POINT	SALE POINT CODE	PRODUCT CODE	GRADE SIZE	QUANTITY FOR E-AUCTION	E-AUCTION RESERVE PRICE	
1 RAJRAPPA-SLURRY (HEAP NO. 12 & 12A)	1568	S5255		6201-5500	11000	3004
2 RAJRAPPA-SLURRY (HEAP NO. 12C)	1568	S4649		4601-4900	3500	1778
3 KATHARA-SLURRY (HEAP NO. 8)	0673	S4649		4601-4900	10000	1778
4 GIDI-W-SLURRY (HEAP NO. 4/5/6)	0463	S2628		2501-2800	15000	785
5 PIPARWAR-SLURRY (HEAD NO. 7) (MECHANICAL LOADING)	1783	S3740		3701-4000	15000	1382
6 TETARIKHAH-HEAP NO. 5A #	1213	N4346	ROM	4301-4600	100000	1588
7 AMRAPALI COAL SALES CENTRE HEAP NO. 2/9A #	1135	N3740	ROM	3701-4000	1000000	1382
8 BENTI COAL DUMP ASHOKA HEAP NO. 36 #	1788	N4043	ROM	4001-4300	148300	1489
9 MAGADH OC HEAP NO. 5A #	1130	N4649	ROM	4601-4900	50000	1778
10 KARMA HEAP NO. 3A #	1359	N5255	ROM	5201-5500	20000	3004
11 GIRIDIH HEAP NO. 1 #	1012	N4649	ROM	4601-4900	10000	1778
12 AMLO OC-HEAP NO. 9 #	1676	N4346	ROM	4301-4600	5000	1588
13 AMRAPALI COAL SALES CENTRE HEAP NO. 8/14 #	1125	N4043	ROM	4001-4300	120000	1489
14 JHARKHAND OCP HEAP NO. 13/16/18 #	1478	22403	W-TV ROM		32800	2990
15 BHURKUNDA (BANGAM) HEAP NO. 20 #	2184	N5255	ROM	5201-5500	5500	3004
16 CHURI HEAP NO. 9D #	2203	N6184	ROM	6101-6400	1250	3900
17 ROHINI OCP HEAP NO. 16N #	0658	N3134	ROM	3101-3400	5000	1186
18 SEL DHORI OC HEAP NO. 16/1A #	2201	N4346	ROM	4301-4600	30000	1588
19 KONAR (EXPANSION) OCP HEAP NO. 3 #	0711	N4952	ROM	4901-5200	10000	2264
20 PURNADIH HEAP NO. Q1-1 #	0816	N3437	ROM	3401-3700	50000	1274

1642350

THROUGH PAYLOADER LOADING

URGENT AND IMPORTANT :

- ALL CUSTOMERS TO NOTE, CCL IS PROVIDING RTGS/NEFT FACILITY FOR SUBMISSION OF COAL VALUE. CERTAIN FORMALITIES REGARDING BANK DETAILS ARE TO BE FULFILLED. FOR DETAILS PLEASE VISIT CCL'S WEBSITE centralcoalfields.in
- THE PROSPECTIVE BUYERS MAY SATISFY THEMSELVES REGARDING THE STOCKS AT DIFFERENT COLLIERIES/SIDINGS BEFORE PARTICIPATING IN THE AUCTION PROCESS.
- IN ADDITION TO BID PRICE OTHER ADD ON PRICES IF ANY WILL BE RECOVERED, STATUTORY CHARGES AND GOVT. LEVIES WILL BE CHARGED AS APPLICABLE ON THE DATE OF DELIVERY.
- BEFORE PARTICIPATING IN E-AUCTION BIDDERS MUST SATISFY THEMSELVES WITH THE QUALITY OF THE COAL BEING OFFERED FROM A SOURCE.
- IN ADDITION TO ABOVE, GST, SALES TAXES, ROYALTY, SED, EXCISE DUTY, CLEAN ENERGY CESS, COMMITMENT CHARGE, BENEFICIATION CHARGE, SURFACE TRANSPORTATION CHARGES, SIZING CHARGE & ANY OTHER CHARGES AS APPLICABLE WILL HAVE TO BE PAID BY BUYERS AT CCL.
- PRICE BASED ON GCY IS AVAILABLE ON www.centralcoalfields.in. FOR NON-COKING COAL, THE PRICES OF WASHERY GRADE COAL IS AS PER PRICE NOTIFICATION DATED 13-01-2017.
- THE REFUNDS SHALL BE MADE ONLY TO THE A/C NO. AND THE BANK THROUGH WHICH THE COAL VALUE WILL BE DEPOSITED AND AS PER E-MANDATE PROVIDED BY THE CUSTOMER TO CCL.
- EMD FOR ALL TYPES OF COAL WILL BE RS. 200/- PER TONNES.
- ALL SELECTIVE LOADING IRRESPECTIVE OF MEANS OF LOADING AND MODES OF DISPATCH TO BE CONSIDERED AS LOADING OF STEAM SIZED COAL OF 125 MM. THEREFORE, IN CASE OF SELECTIVE LOADING, A STEAM SIZING CHARGE, WHICH IS PRESENTLY RS. 270/- PER TONNE, BE CHARGED ON THE ROM PRICE ON ACCOUNT OF SIZING.
- IN ADDITION TO ABOVE, BENEFICIATION CHARGE BE LEVIED FOR ALL SELECTIVE LOADING. THE BENEFICIATION CHARGE BE THE PRICE DIFFERENCE AS PER THE GRADES IDENTIFIED IN THE GRADE NOTIFICATION OF THE COAL COMPANY FOR STEAM AND ROM RESPECTIVELY.
- THE SELECTIVE LOADING CHARGE FROM THE ROM BE THE SUMMATION OF THE SIZING CHARGE I.e. RS. 270/- PER TONNE AND THE DIFFERENCE OF PRICE ARISING OUT OF THE GRADES OF STEAM AND ROM.
- PARTICIPATION OF AUCTION CONSUMERS IN THE BIDDING PROCESS THROUGH THIS NOTICE WILL MEAN THAT THE BIDDER ACCEPTS AND AGREES FOR ALL THE TERMS AND CONDITION OF SCHEME AS WELL AS THIS NOTICE IN TOTALITY.
- COMPETENT AUTHORITY OF CCL HAS ALLOWED FOR ROUND THE CLOCK LOADING THROUGH TIPPER TRUCKS/ HYWA TO CONSUMERS WHO BOOK ORDERS FOR ONE LAKH TONNES OR MORE AND LOADING THROUGH TIPPER TRUCKS / HYWA WITHIN AGREED TIMELINE OF ROADSALE TO CONSUMERS WHO SHALL BOOK ORDERS FOR 25,000 TONNES OR MORE FROM CCL FROM A SOURCE UNDER EACH E-AUCTION UNDER ROAD/RCR MODE, IF THEY AGREE TO COMPLY WITH BELOW MENTIONED POINTS :-
 - Such e-Auction consumers must have proper arrangement of dust suppression and other related works along their transport route beyond leasehold area of CCL.
 - Such consumers will be solely responsible for all hazards, accident, consequences arising out violation of EMP/ factory/ Labour Laws or of any other laws at the time being enforced or due to bands/ calls by political or other organizations whatsoever and CCL shall not have any responsibility or liability arising thereof.

* THE CHARGES SHOWN ARE INDICATIVE ONLY AND ACTUAL AMOUNT AS APPLICABLE WILL HAVE TO BE PAID BY BUYERS AT CCL.

NOTE: CCL RESERVES THE RIGHT TO MAKE ANY AMENDMENT IN THE ABOVE OFFER.

**CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103**

SPOT E-AUCTION OFFER

**SERVICE PROVIDER :MSTC LIMITED
SALE OF RAW COAL/SLURRY BY ROAD MODE**

AUCTION DATE : 17th February '10

SALE POINT	SALE POINT CODE	PRODUCT CODE	GRADE SIZE	QUANTITY FOR E-AUCTION	NOTIFIED PRICE	E-AUCTION RESERVE PRICE	
1 RAJRAPPA-SLURRY	1661	S6266		5201-5500	15000	2311	3004
2 KEDLA W. SLURRY (P/L) #	1460	S4952		4901-5200	5000	1757	2284
3 KATHARA SLURRY (HEAP NO. 6)	0873	S6263		5201-5500	10000	2311	3004
4 GIDI-W SLURRY	0480	S4952		4901-5200	15000	1757	2284
5 PIPARWAR SLURRY (MECHANICAL LOADING)	1760	S4346		4301-4600	10000	1228	1596
6 GOVINDPUR PHASE II HEAP NO. 14 EXT. #	2191	N4649	ROM	4601-4900	30000	1368	1778
7 PIPARWAR COAL DUMP HEAP NO. 26 #	2179	N4043	ROM	4001-4300	200000	1145	1489
8 AMRAPALI COAL SALES CENTRE HEAP NO. 7/12/1A/1B #	1120	N3740	ROM (-100 MM)	3701-4000	500000	1063	1382
9 PURNADIH HEAP NO. Q2-4 #	0617	N3740	ROM	3701-4000	20000	1063	1382
10 TAPIN NORTH HEAP NO. 19 #	1481	N4952	ROM	4901-5200	13000	1757	2284
11 GIDI-C HEAP NO. 8 #	2167	N4043	ROM	4001-4300	15000	1145	1489
12 BIRSA PROJECT HEAP NO. 5 #	2189	N4952	ROM	4901-5200	20000	1757	2284
13 ANILO OCP HEAP NO. 11 #	1662	N4345	ROM	4301-4600	5000	1228	1596
14 MAGADH OC HEAP NO. 8/9 #	1128	N3740	ROM	3701-4000	40000	1063	1382
15 BENTI COAL DUMP ASHOKA HEAP NO. 27 #	1777	N4043	ROM	4001-4300	80850	1145	1489
16 TETARIKHAR HEAP NO. 5 #	2194	N3740	ROM	3701-4000	20000	1063	1382
17 KARMA HEAP NO. 3A #	1369	N6265	ROM	6201-6500	7650	2311	3004
18 SARUBERA UG HEAP NO. 0B #	1360	N3740	ROM	3701-4000	7000	1063	1382
19 URUMARI HEAP NO. 0B #	0312	N3740	ROM	3701-4000	40000	1063	1382
20 BIRSA PROJECT HEAP NO. 4 #	2195	N6558	ROM	5501-5800	16650	2524	3281
21 JHARKHAND OCP HEAP NO. 15E #	1463	22403	W-IV ROM		38250	2300	2990
22 DHORI OC HEAP NO. 1 #	1678	22303	W-III ROM		30000	2750	3575
23 ROHINI OCP HEAP NO. 16 #	2183	N3134	ROM	3101-3400	10000	897	1166
24 BHURKUNDA (SANGAM) HEAP NO. 20 #	2184	N5255	ROM	5201-5500	6000	2311	3004
25 ROHINI OCP HEAP NO. R-2 #	0654	N3437	ROM	3401-3700	30000	980	1274
26 SARUBERA OC HEAP NO. 11 #	1317	22403	W-IV ROM		11450	2300	2990
27 JARANGIDIH OC HEAP NO. 5 #	2196	22403	W-IV ROM		20000	2300	2990
28 TOPA OC HEAP NO. 18E #	1358	22403	W-IV ROM		40750	2300	2990

1256400

THROUGH PAYLOADER LOADING

URGENT AND IMPORTANT:

- ALL CUSTOMERS TO NOTE, CCL IS PROVIDING RTGS/NEFT FACILITY FOR SUBMISSION OF COAL VALUE. CERTAIN FORMALITIES REGARDING BANK DETAILS ARE TO BE FULFILLED. FOR DETAILS PLEASE VISIT CCL'S WEBSITE centralcoalfields.in
- THE PROSPECTIVE BUYERS MAY SATISFY THEMSELVES REGARDING THE STOCKS AT DIFFERENT COLLIERIES/SIDINGS BEFORE PARTICIPATING IN THE AUCTION PROCESS.
- IN ADDITION TO BID PRICE OTHER ADD ON PRICES IF ANY WILL BE RECOVERED, STATUTORY CHARGES AND GOVT. LEVIES WILL BE CHARGED AS APPLICABLE ON THE DATE OF DELIVERY.
- BEFORE PARTICIPATING IN E-AUCTION BIDDERS MUST SATISFY THEMSELVES WITH THE QUALITY OF THE COAL BEING OFFERED FROM A SOURCE.
- IN ADDITION TO ABOVE, GST, SALES TAXES, ROYALTY, SED, EXCISE DUTY, CLEAN ENERGY CESS, COMMITMENT CHARGE, BENEFICIATION CHARGE, SURFACE TRANSPORTATION CHARGES, SIZING CHARGE & ANY OTHER CHARGES AS APPLICABLE WILL HAVE TO BE PAID BY BUYERS AT CCL.
- PRICE BASED ON GCY IS AVAILABLE ON www.centralcoalfields.in. FOR NON-COKING COAL, THE PRICES OF WASHERY GRADE COAL IS AS PER PRICE NOTIFICATION DATED 13-01-2017.
- THE REFUNDS SHALL BE MADE ONLY TO THE A/C NO. AND THE BANK THROUGH WHICH THE COAL VALUE WILL BE DEPOSITED AND AS PER MANDATE PROVIDED BY THE CUSTOMER TO CCL.
- EMD FOR ALL TYPES OF COAL WILL BE RS. 200/- PER TONNES.
- ALL SELECTIVE LOADING IRRESPECTIVE OF MEANS OF LOADING AND MODES OF DISPATCH TO BE CONSIDERED AS LOADING OF STEAM SIZED COAL OF +25 MM. THEREFORE, IN CASE OF SELECTIVE LOADING, A STEAM SIZING CHARGE, WHICH IS PRESENTLY RS. 270/- PER TONNE, BE CHARGED ON THE ROM PRICE ON ACCOUNT OF SIZING.
- IN ADDITION TO ABOVE, BENEFICIATION CHARGE BE LEVIED FOR ALL SELECTIVE LOADING. THE BENEFICIATION CHARGE BE THE PRICE DIFFERENCE AS PER THE GRADES IDENTIFIED IN THE GRADE NOTIFICATION OF THE COAL COMPANY FOR STEAM AND ROM RESPECTIVELY.
- THE SELECTIVE LOADING CHARGE FROM THE ROM BE THE SUMMATION OF THE SIZING CHARGE I.e. RS. 270/- PER TONNE AND THE DIFFERENCE OF PRICE ARISING OUT OF THE GRADES OF STEAM AND ROM.
- PARTICIPATION OF AUCTION CONSUMERS IN THE BIDDING PROCESS THROUGH THIS NOTICE WILL MEAN THAT THE BIDDER ACCEPTS AND AGREES FOR ALL THE TERMS AND CONDITION OF SCHEME AS WELL AS THIS NOTICE IN TOTALITY.
- COMPETENT AUTHORITY OF CCL HAS ALLOWED FOR ROUND THE CLOCK LOADING THROUGH TIPPER TRUCKS/ HYWA TO CONSUMERS WHO BOOK ORDERS FOR ONE LAKH TONNES OR MORE AND LOADING THROUGH TIPPER TRUCKS / HYWA WITHIN AGREED TIMELINE OF ROADSIDE TO CONSUMERS WHO SHALL BOOK ORDERS FOR 25,000 TONNES OR MORE FROM CCL FROM A SOURCE UNDER EACH E-AUCTION UNDER ROAD /RCR MODE, IF THEY AGREE TO COMPLY WITH BELOW MENTIONED POINTS :-
 - Such e-Auction consumers must have proper arrangement of dust suppression and other related works along their transport route beyond leasehold area of CCL.
 - Such consumers will be solely responsible for all hazards, accident, consequences arising out violation of EMP/ factory/ Labour Laws or of any other laws at the time being enforced or due to bandhs/ calls by political or other organizations whatsoever and CCL shall not have any responsibility or liability arising thereof.

* THE CHARGES SHOWN ARE INDICATIVE ONLY AND ACTUAL AMOUNT AS APPLICABLE WILL HAVE TO BE PAID BY BUYERS AT CCL.

NOTE: CCL RESERVES THE RIGHT TO MAKE ANY AMENDMENT IN THE ABOVE OFFER.

GM(M&S)

(MSTC) LTD
MSTC LIMITED
INDIAN RAILWAYS
COAL SALES DIVISION

SPOT E-AUCTION OFFER

SERVICE PROVIDER : M JUNCTION LIMITED
SALE OF RAW COAL BY ROAD MODE

AUCTION DATE : 16th March'18

SALE POINT	SALE POINT CODE	PRODUCT CODE	GRADE SIZE	QUANTITY FOR E-AUCTION	E-AUCTION RESERVE PRICE	
1 YETARAKHAR HEAP NO. 7 #	2177	N4348	ROM	4301-4800	40000	1588
2 AMRAPALI COAL SALES CENTRE HEAP NO. 3/13 #	1122	N3740	ROM	3701-4000	300000	1382
3 BHURKUNDA HEAP NO. 13A #	2198	N5258	ROM	5201-5500	4000	3004
4 RELIGARA HEAP NO. 19 #	0443	N8262	ROM	8201-8500	11000	3281
5 BAUNDA HEAP NO. 17 #	0351	N5258	ROM	4501-5000	1000	3281
6 BIRSA HEAP NO. 4 #	0801	N5261	ROM	6501-4100	17550	3358
7 BENTI COAL DUMP ASHOKA HEAP NO. 37 #	1777	N4043	ROM	4001-4300	80300	1489
8 KARMA HEAP NO. 3A #	1259	N5255	ROM	5201-5500	13350	3004
9 GONDH HEAP NO. 1 #	1012	N4648	ROM	4601-4900	5000	1778
10 AMRAPALI COAL SALES CENTRE HEAP NO. 14 #	2178	N4043	ROM	4001-4300	100000	1489
11 SEL. DHORI OC HEAP NO. 7A #	1679	22303	W-R ROM		30000	3575
12 MAGADH OC HEAP #	1124	N3134	ROM	3101-3400	50000	1168
13 CHURI HEAP NO. 90 #	2201	N6184	ROM	6101-6400	1250	3900
14 AMRAPALI COAL SALES CENTRE HEAP NO. 18 #	1127	N4348	ROM	4301-4800	10000	1596
15 SEL. DHORI OC HEAP NO. 181A #	2201	N4348	ROM	4301-4800	40000	1596
16 AKK OCP HEAP NO. 3 #	2143	N4482	ROM	4501-5200	25000	2284
17 TAPIN NORTH HEAP NO. 1B #	1482	22403	W-V ROM		7800	2890
18 PUNDI OC HEAP NO. 1 #	2207	22403	W-V ROM		15600	2990
19 PURNADDI HEAP NO. 01-1 #	0818	N3437	ROM	3401-3700	100000	1274

1172250

SERVICE PROVIDER : M JUNCTION LIMITED
SALE OF SURPLUS RAW COOKING COAL BY ROAD MODE

AUCTION DATE : 16th March'18

SALE POINT	SALE POINT CODE	PRODUCT CODE	GRADE SIZE	QUANTITY FOR E-AUCTION	E-AUCTION RESERVE PRICE	
20 PUNDI (SRCC) HEAP NO. 4 #	1343	22303	W-R ROM		13000	3575

SERVICE PROVIDER : M JUNCTION LIMITED
SALE OF RAW COAL BY ROAD MODE

AUCTION DATE : 17th March'18

SALE POINT	SALE POINT CODE	PRODUCT CODE	GRADE SIZE	QUANTITY FOR E-AUCTION	E-AUCTION RESERVE PRICE	
1 GOVINDPUR PHASE B HEAP NO. 14 EXT. #	2191	N4648	ROM	4601-4900	5000	1778
2 PIPARWAR COAL DUMP HEAP NO. 26 #	2179	N4043	ROM	4001-4300	250000	1489
3 AMRAPALI COAL SALES CENTRE HEAP NO. 7H2/1A1B #	1129	N3740	ROM (100 MM)	3701-4000	500000	1382
4 PURNADDI HEAP NO. 02-2 #	0817	N3740	ROM	3701-4000	30000	1382
5 TAPIN NORTH HEAP NO. 19 #	1481	N4981	ROM	4901-5200	13350	2284
6 ODI-C HEAP NO. 6 #	2187	N4043	ROM	4001-4300	20000	1489
7 BIRSA PROJECT HEAP NO. 5 #	2188	N4982	ROM	4901-5200	20000	2284
8 MAGADH OC HEAP NO. 9B #	1126	N3740	ROM	3701-4000	100000	1382
9 URMAR HEAP NO. 9B #	0312	N3740	ROM	3701-4000	40000	1382
10 BIRSA PROJECT HEAP NO. 1 #	2185	N5554	ROM	5501-5800	16550	3281
11 SEL. DHORI OC HEAP NO. 13 #	1577	N4348	ROM	4301-4800	40000	1596
12 AMRAPALI COAL SALES CENTRE HEAP NO. 8 #	1119	N4348	ROM (100 MM)	4301-4800	200000	1596
13 CHURI HEAP NO. 9C #	0604	N4846	ROM	4801-5000	200	1778
14 JHARKHAND OCP HEAP NO. 16 #	1414	22403	W-V ROM		23250	2890
15 GONDH HEAP NO. 12 #	2204	N4852	ROM	4801-5200	20000	2284
16 SEL. DHORI OC HEAP NO. 12 #	1680	22303	W-R ROM		31100	3575
17 BHURKUNDA (BANGAM) HEAP NO. 20 #	2184	N5255	ROM	5201-5500	6000	3004
18 ROHRI OCP HEAP NO. R-2 #	0854	N4277	ROM	3401-3700	40000	1274
19 JARANGOH OC HEAP NO. 8 #	2196	22403	W-V ROM		25000	2890
20 TOPA OC HEAP NO. 10E #	1358	22403	W-V ROM		41700	2890

1172250

THROUGH PAYLOADER LOADING

URGENT AND IMPORTANT :

- ALL CUSTOMERS TO NOTE, CCL IS PROVIDING RTGS/NEFT FACILITY FOR SUBMISSION OF COAL VALUE. CERTAIN FORMALITIES REGARDING BANK DETAILS ARE TO BE FULFILLED. FOR DETAILS PLEASE VISIT CCL'S WEBSITE www.centralscei.com/fields.in
- THE PROSPECTIVE BUYERS MAY SATISFY THEMSELVES REGARDING THE STOCKS AT DIFFERENT COLLIERIES/SIDINGS BEFORE PARTICIPATING IN THE AUCTION PROCESS.
- IN ADDITION TO BID PRICE OTHER ADD ON PRICES IF ANY WILL BE RECOVERED, STATUTORY CHARGES AND GOVT. LEVIES WILL BE CHARGED AS APPLICABLE ON THE DATE OF DELIVERY.
- BEFORE PARTICIPATING IN E-AUCTION BIDDERS MUST SATISFY THEMSELVES WITH THE QUALITY OF THE COAL BEING OFFERED FROM A SOURCE.
- IN ADDITION TO ABOVE, GST, SALES TAXES, ROYALTY, SED, EXCISE DUTY, CLEAN ENERGY CESS, COMMITMENT CHARGE, BENEFICIATION CHARGE, SURFACE TRANSPORTATION CHARGES, SIZING CHARGE & ANY OTHER CHARGES AS APPLICABLE WILL HAVE TO BE PAID BY BUYERS AT CCL.
- PRICE BASED ON GCV IS AVAILABLE ON www.centralscei.com/fields.in FOR NON-COOKING COAL. THE PRICES OF WASHERY GRADE COAL IS AS PER PRICE NOTIFICATION DATED 13-01-2017.
- THE REFUNDS SHALL BE MADE ONLY TO THE A/C NO. AND THE BANK THROUGH WHICH THE COAL VALUE WILL BE DEPOSITED AND AS PER E-MANDATE PROVIDED BY THE CUSTOMER TO CCL.
- EMD FOR ALL TYPES OF COAL WILL BE RS. 200/- PER TONNES.
- ALL SELECTIVE LOADING irrespective of means of loading and modes of dispatch, to be considered as loading of steam sized coal of 425 mm, therefore, in case of selective loading, a steam sizing charge, which is presently RS. 270/- per tonne, be charged on the ROM price on account of sizing.
- IN ADDITION TO ABOVE, BENEFICIATION CHARGE BE LEVIED FOR ALL SELECTIVE LOADING. THE BENEFICIATION CHARGE BE THE PRICE DIFFERENCE AS PER THE GRADES IDENTIFIED IN THE GRADE NOTIFICATION OF THE COAL COMPANY FOR STEAM AND ROM RESPECTIVELY.
- THE SELECTIVE LOADING CHARGE FROM THE ROM, BE THE SUMMATION OF THE SIZING CHARGE I.E. RS. 270/- PER TONNE AND THE DIFFERENCE OF PRICE ARISING OUT OF THE GRADES OF STEAM AND ROM.
- PARTICIPATION OF AUCTION CONSUMERS IN THE BIDDING PROCESS THROUGH THIS NOTICE WILL MEAN THAT THE BIDDER ACCEPTS AND AGREES FOR ALL THE TERMS AND CONDITION OF SCHEME AS WELL AS THIS NOTICE IN TOTALITY.
- COMPETENT AUTHORITY OF CCL HAS ALLOWED FOR ROUND THE CLOCK LOADING THROUGH TIPPER TRUCKS/ HYVA TO CONSUMERS WHO BOOK ORDERS FOR ONE LAKH TONNES OR MORE AND LOADING THROUGH TIPPER TRUCKS / HYVA WITHIN AGREED TIMELINE OF ROADS/SALE TO CONSUMERS WHO SHALL BOOK ORDERS FOR 25,000 TONNES OR MORE FROM CCL FROM A SOURCE UNDER EACH E-AUCTION UNDER ROAD/ RCR MODE, IF THEY AGREE TO COMPLY WITH BELOW MENTIONED POINTS :-
 - Such e-auction consumers must have proper arrangement of dust suppression and other related works along their transport route beyond leasehold area of CCL.
 - Such consumers will be solely responsible for all hazards, accident, consequences arising out violation of EMP/ Factory/ Labour Laws or of any other laws at the time being enforced or due to be enforced by police or other organizations whatsoever and CCL shall not have any responsibility or liability arising thereon.

* THE CHARGES SHOWN ARE INDICATIVE ONLY AND ACTUAL AMOUNT AS APPLICABLE WILL HAVE TO BE PAID BY BUYERS AT CCL.
NOTE: CCL RESERVES THE RIGHT TO MAKE ANY AMENDMENT IN THE ABOVE OFFER.

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIE WAL, RANCHI
JHARKHAND- PIN-835101

Amendment of EC of CPP, M/s UML

File No-J-13012/122/08-IA.II(T)

Proposal No. - IA/JH/THE/10337/2011

Environmental Clearance Granted to 2X10 MW CPP, M/S Usha Martin Limited
vide letter no J-13012/122/08-IA.II(T) dated 07.04.2011

Several correspondence/ Discussion with Railway Officials at Ranchi held for Unloading facility of Coal. The chronology of letters are as given below:

- CPP submitted an application (Ref. No.UML/CPP/COALRAIL/11/03,Dated 22.07.2011) to Sr.DTM, South Eastern Railway, Hatia. Railway authority informed M/s UML to contact them after few months. (Annex: II A,1/3)
- On 08.05.2012, another Letter Ref. No. UML/CPP/Coal Rail/12/01 was submitted to DOM, Hatia. It is said that there was some modification going on in Tatisilwai Station. It will take some more time for railway siding. (Annex: II A,2/3)
- Follow up letters - 3rd (Ref. No. UML/CPP/Coal Rail/13/01,dated 05.02.2013) & 4th letter (ref. No.UML/CPP/Coal Rail/13/02,datd 11.07.2014), the same assurance was given by Railway Authority. (Annex: II A,3/3)
- Follow up letters (ref. No.UML/CPP/Coal Rail/13/2 and 3, dated 11.07.2013 & 18.07.2013) has been forwarded to DRM, Hatia. It is informed that there was no scope for handling coal at Tatisilwai station as such in letter no: O/PL/TIS/UML/13,Dated 24.07.2013(Annex: II B,1/2 & 2/2, Annex: II C)
- M/s UML pesued further, in application (Ref no.UML/CPP/Coal Rail/14/01, Dated 16.09.2014) for any feasibilty of coal unloading at the nearest Tatisilwai station. But Railway Authority has not given any commitment on that.

Sl no.	Remarks	Uploaded additional document	Date of correspondence
1	Proposal Submission Application submitted for EC Amendment via Application ref No- UML/CPP/RANCHI/EC/15/01	23-02-2015	25-02-2018
2	UML letter to Request to APCCF, MoEF &CC, Regional office Ranchi for Environmental Clearance Certificate via ref no-UML/RANCHI CPP/MOEF/15/01		27-02-2015
3	EAC presentation Presentation to 36 th Expert Appraisal Committee, MOEF, Delhi on 20-05-2015 Minutes of the Meeting (MOM) of EAC on EIA of thermal Power & Coal projects ** Recommendation for EC amendment		20.05.2015
4	MoEF Letter Copy of letter received from MoEF addressed to Railway Board officials regarding Rail Transportation possibility.		11.08.2015
5	UML reply Reply to MoEF regarding coal transportation submitted online against letter dt 11.08.2015		24-08-2015
6	MoEF Letter Reminder letter from MoEF to Railway Board officials regarding 11.08.2015 letter No copy given to M/s UML.		23-11-2015

7	UML submission	UML submission ref.No-UML/PPP/RANCHI/EC/04 as per correspondence with railway (On dated 1-12-2015 & 11-12-2015) regarding MoEF Letter dated 11.08.2015		14-12-2015
8		The reply from Railways to Ministry's letter dated 11.08.2015 is awaited.		09/02/2016
9	MoEF online query	please upload and submit the detailed long term coal transportation plan in light of the railways letters dated 01.12.2015 and 11.12.2015 at the earliest.		25/02/2016 03-03-2016
10	UML reply	Please find attached letter as submitted by M/s UML to Sr. Divisional Operations Manager, South Eastern Railway, D R M Office, Hatia, Ranchi – 834012 for setting up Transportation of inbound Coal through Rail at Tati Silwai Railway Station by September 2020 in compliance to additional information as sought regarding "detailed long term coal transportation plan in light of the railways letters dated 01.12.2015 and 11.12.2015 at the earliest".	<u>Additional letter</u>	18/03/2016
11	MoEF online query	Please submit in detail, in consultation with the Railways, when and how the road transportation of coal can be avoided or minimized for the project.		23/05/2016
12	UML reply	Additional information as sought regarding "When and How" road transportation of coal can be avoided based on discussion with Rlys is attached in our Reply letter dated 04-07-2016	<u>Additional letter</u>	06/07/2016
13	MoEF online query	When will Brinda-Sisai Coal Block commence supplying coal to this CPP? What would be the mode of transportation, distance (road & rail) between the mine and CPP etc. If road transportation is envisaged, when is it planned to be shifted to rail.		11/08/2016
14	UML reply	Details as sought are enclosed with regards to "(1) When will Brinda-Sisai Coal Block commence supplying coal to this CPP? FY 2019-20 (2) What would be the mode of transportation, distance (road & rail) between the mine and CPP etc. - Initially by Road of 200 km and then by rail. (3) If road transportation is envisaged, when is it planned to be shifted to rail." FY 2022-23.	<u>Additional letter</u>	16/08/2016
15	MoEF online query	Please upload and submit the reply of DCE,SER etc. w.r.t the SDOM, SER letter dated 17.06.2016 at the earliest.		21/10/2016
16	UML Letter	Correspondence with SDOM, SE Railways, Ranchi for early reply from DCE,SER		27-10-2016
17		Proposal De- listed due to non reply of query within six months.		May 2017
18	UML Letter	Follow up Correspondence for early grant of EC amendment		19-02-2018
19	UML letter	Request for re- open of our proposal on Portal		28-03-2018
20	MOEF online Query	Query regarding additional information for coal sourcing, mode of Transportation, feasibility of coal transportation thru nearest Railhead & progress made till date		13-04-2018
21	UML reply	Additional information as sought regarding " for coal sourcing, mode of Transportation, feasibility of coal transportation thru nearest Railhead & progress made till date "based on discussion with Rlys is attached in our Reply letter dated 24-04-18	<u>Additional letter</u>	24-04-2018
22	UML Letter	Follow up correspondence with SDOM, SE Railways, Ranchi regarding their office letter dated 10.04.2018		15.12.2018

Minutes of the 26th meeting of the re-constituted Expert Appraisal Committee (EAC) on Environmental Impact Assessment (EIA) of Thermal Power Projects held on 27th March, 2019

The 26th meeting of the re-constituted EAC (Thermal Power) was held on 27th March, 2019 in the Ministry of Environment, Forest & Climate Change at Narmada Meeting Hall, Jal Wing, Ground Floor, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi under the Chairmanship of Dr. Navin Chandra. The following members were present:

1. Dr. Navin Chandra - Chairman
2. Shri Suramya D. Vora - Member
3. Dr. N.P. Shukla - Member
4. Shri G.P. Kundargi - Member
5. Dr. J.K. Pandey - Member
6. Shri N.S. Mondal - Member (Rep. of CEA)
7. Dr. Sharatchchandra Lele - Member
8. Dr. S. Kerketta - Member Secretary

A Special Invitee, Dr. P.V. Murugan, Scientific Officer-D was requested to present during this meeting to discuss the issue on Item Nos. 26.1-26.4 and the Director, Institute of Plasma Research, Gandhinagar has nominated him for the same. Dr. R.K. Giri, Member (Rep. of IMD), Dr. S.K. Paliwal, Member (Rep. of CPCB); Dr. (Mrs) Manjari Srivastava, Member (Rep. of IIT Kanpur) and Dr. S.K. Gupta (Representative of ISM/IIT Dhanbad) and Shri Mohan Karnat, Member (Rep. of IIT Dhanbad) could not be present due to pre-occupation.

Item No.26.0: CONFIRMATION OF THE MINUTES OF THE 25th EAC MEETING.

The minutes of the 25th EAC (Thermal Power) meeting held on 22.02.2019 were confirmed in presence of members present during the meeting with the following modification:

(25.6) 2x660 MW Super critical coal based Thermal Power Project at Village Dadri Khurd, Tehsil Mirzapur Sadar, District Mirzapur, Uttar Pradesh by M/s Welspun Energy UP Pvt. Ltd. - reg. amendment in EC. (F.No. J-13012/12/2011-IA.II(T) & Proposal No. IA/UP/THE/10331/2010)

From

(25.6.3) (XX) The Uttar Pradesh Jal Nigam vide their letter dated 1.10.2018 has assured to provide this treated Sewage Water of **257.8 MLD from Bhagwanpur, Dinapur, Goithaha, Ramana and Mirzapur STP**. The water requirement for the proposed project is 100 MLD. The water assured by UP Jal Nigam **would be sufficient to meet the water requirements** during operation phase.

(25.6.4) Committee noted that groundwater in some of the blocks in the study area is in Semi-critical and Critical zones. Further, Total Dissolved Solids, Hardness, Magnesium and Cadmium (Heavy Metal) are exceeding the BIS standards in some areas. **Even though source sustainability study mentions availability of water, committee is of the opinion that treated Sewage shall be used as the assured quantity of about 258 MLD has been made available by Jal Nigam. Further, the water requirement for power project is only 100 MLD.**

- iv. The implementation of FGD/SCR/SCNR systems for control of SO₂ and NO_x emissions as per Ministry' Notification dated 7.12.2015 and its compliance achievement shall be submitted for existing stages (Stage-I & II).
- v. The prediction of air quality impacts shall be carried out considering the existing plants with and without SO₂/NO_x control systems.
- vi. The details of ash pond such as area & volume of all ponds, quantity of ash disposed, available volume and fly ash utilisation in the last five years for various purposes shall be incorporated in the EIA report.
- vii. Water availability and sufficiency studies for drawing nearly 60,000 m³/day shall be carried out by including the impact of such withdrawal on competing users and downstream users, including e-flows.

(26.7) Proposed Expansion of 726.6 MW (Unit-3&4: 2 x 363.3 MW) Gas Based Power Project at Village Palatana, Tehsil Kakraban, Gomti District, Tripura by M/s ONGC Tripura Power Company Limited- reg. EC. (F.No. J-13012/02/2017-IA.II(T) & Proposal No. IA/TR/THE/97559/2006)

(26.7.1) Project Proponent submitted online application on 01.03.2019 for consideration of grant of Environmental Clearance. As the project proponent did not attend the meeting, the proposal has been deferred till a communication is received from Project Proponent stating their readiness for appraisal.

(26.8) 2x10 MW Coal Based Captive Thermal Power Plant at Village Tatisilwai, Ranchi District, Jharkhand by M/s Usha Martin Ltd. reg. amendment in EC for transportation of Coal by road. (F.No. J-13012/122/08-IA: II(T) & Proposal No. IA/JH/THE/10337/2011).

(26.8.1) Project Proponent submitted online application on 16.01.2019 for amendment in EC for transportation of Coal by road.

(26.8.2) Project Proponent has made the presentation and *inter-alia*, submitted the following information:

- i. The Environmental Clearance (EC) under EIA Notification, 2006 for establishing 2x10 MW Coal Based Captive Thermal Power Plant at Village Tatisilwai, District Ranchi in Jharkhand has been accorded in favour of M/s. Usha Martin Ltd. vide Ministry's letter dated 07.04.2011, The Specific Condition No. (i) of the EC dated 07.04.2011 stipulates as below:

"Road transportation of coal shall be permitted for a limited period of 36 months only. The project proponent shall shift to railway transportation thereafter. The project proponent shall be vicariously responsible for liabilities incurred for road transportation such as accidental damages to public, coal fines emission from transporting trucks etc. The project proponent shall immediately start its action plant for rail transportation with consultation with the Railways and shall submit half yearly action taken report to the Ministry on the matter."

- ii. The Unit-1 (1x10 MW) and Unit-2 (1x10 MW) of the Captive Power Plant of M/s Usha Martin Ltd. have been commissioned on 30.03.2012 and 31.12.2012, respectively.

- iii. The quantity of coal required for both units is very small i.e. 500 TPD with an average number of trucks for transportation of coal of 20 with the capacity of 25 Tons/ truck.
- iv. The quantity of coal transported till date are as below:

Sl. No	Year	Quantity (MTPA)	Monthly average (MT)
1.	FY 2014-15	1,12,995	9,416
2.	FY 2015-16	1,14,883	9,574
3.	FY 2016-17	1,17,258	9,771
4.	FY 2017-18	1,25,134	10,427
5.	FY 2018-19	1,28,488	11,681

(26.8.3) Committee noted that the EAC meeting held during 19th-20th May, 2015, recommended for sourcing of coal through e-auction and extension of permission for temporary road transportation of coal for three years i.e. till 31.03.2018. However, Committee was informed that there is no formal approval issued by the Ministry permitting the road transportation. It has evident that the road transportation of coal has been carried out since commissioning of the units (i.e. March, 2012) and the permission for road transportation was allowed only for 36 months; i.e. till 31.03.2015. Committee noted that this amounts to non-compliance of EC conditions without explicit permission from the Ministry, though the quantity is less. Committee has been informed that State Government has been asked to initiate credible action under the provisions of Environment (Protection) Act, 1986 vide Ministry's letter dated 16.10.2018. It was informed that the reminders were also sent to Jharkhand State Pollution Control Board vide letters dated 17.1.2019 and 8.2.2019. However, credible action taken by the Jharkhand Pollution Control Board is yet to be intimated to the Ministry. Committee further noted that project proponent is insisting that connecting railway line from Tatisilwai Railway station which is hardly a kilometre from the plant site and the railway line is passing at 500 m away from the plant site, is not possible.

(26.8.4) **Committee after deliberations, deferred the proposal for want of following information:**

- i. The credible action taken by the Jharkhand Pollution Control Board against the proponent for having transported coal by road without Ministry's approval.
- ii. Justification for not connecting railway line from Tatisilwai Railway station or take off from the nearest railway line.
- iii. A technical feasibility study by M/s RITES Ltd. or any reputable organisation for drawing railway line from Tatisilwai or nearest take off point to the plant premises shall be conducted to see the possibility of railway line.



मेकॉन लिमिटेड (भारत सरकार का संस्थान)

MECON LIMITED (A GOVERNMENT OF INDIA ENTERPRISE)



प्रधान कार्यालय (Head Office): राँची-2, झारखण्ड, भारत, Ranchi-2, Jharkhand, India, फोन/Phone : 0651-2483000, फैक्स/Fax : 0651-2482189/2482214
ई-मेल/E-mail : ranchi@meconlimited.co.in, वेबसाइट/Website : http:// www.meconlimited.co.in
CIN No. : U74140JH1973GOI001199

Ref. No. 11.14.Q7KA.01.Final Report

Dated 13.05.2019

To,
Shri Tanmoy Sinha
Sr. DGM – CPP, USHA MARTIN LTD.
(Captive Power Plant)
Tatisilwai, Ranchi – 835103, Jharkhand
M +91 93868 26086, T +91 651-3051685, F +91 651-3051409
tanmoy_sinha@ushamartin.co.in

Sub: Final Feasibility Note/Report for In-plant Rail Network for 2 x 10 MW Power Plant at Tatisilwai, Ranchi
Ref: Service Purchase Order No. 4512002489 dated 29.04.2014

Dear Sir,

Attached please find the following final feasibility note/report for In-plant Rail Network for 2 x 10 MW Power Plant at Tatisilwai, Ranchi.

Name of Client	Name of Project	Report No.
Usha Martin Limited, CPP Division, Tatisilwai, Ranchi - 8	Feasibility Note/Report for In-plant Rail Network for 2 x 10 MW Power Plant, Usha	11/14/Q7KA/FR/252 4/R0, May 2019

With this final report entire scope of work is completed as per Service PO dated 29.04.2019.

Thanking you and assuring our best services at all times.

Encl: 2 copies of the report

Yours faithfully,
For MECON Limited

Ghanshyam
12/5/19
(Ghanshyam)

Dy. GM & Project Coordinator
GL&T Section
Mobile: 9-170193783
Email: ghanshyam@meconlimited.co.in

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND, PIN-835103

Major Offices:

- नई दिल्ली / New Delhi: +91-11-2204-1872 (Phone), +91-11-2204-1214 (Fax)
- मुंबई / Mumbai: +91-22-2781-2156-58 (Phone), +91-22-2781-2275 (Fax), mumbai@meconlimited.co.in
- कोलकाता / Kolkata: +91-33-2282-2361-32 (Phone), +91-33-2282-4441 (Fax), kolkata@meconlimited.co.in
- चेन्नई / Chennai: +91-44-2618-4873 (Phone), +91-44-2618-4874 (Fax), chennai@meconlimited.co.in
- बंगलुरु / Bangalore: +91-80-2625-2000 (Phone), +91-80-2657-8352 (Fax), bangalore@meconlimited.co.in

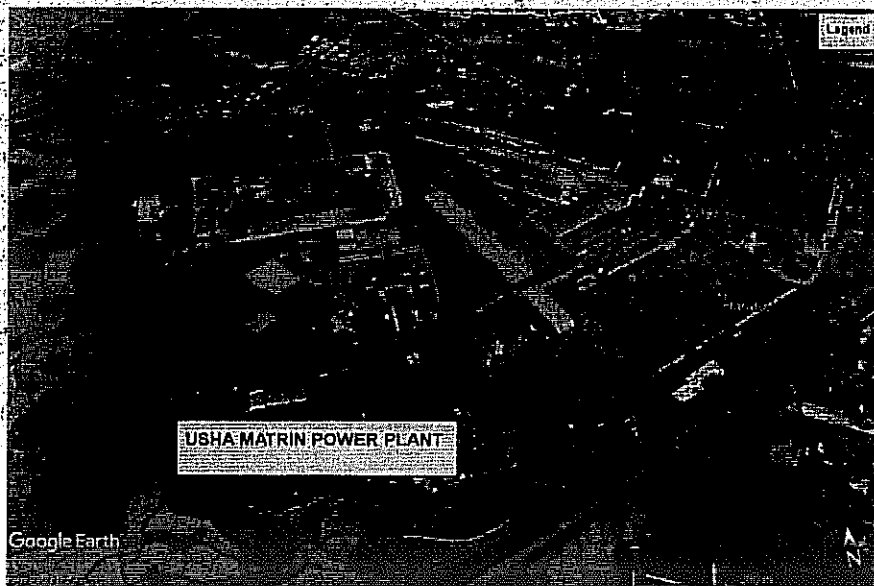


USHA MARTIN LIMITED

TALISILVAH, RANCHI

**SOUTH
EASTERN
RAILWAY**

**FEASIBILITY NOTE/REPORT
FOR
IN-PLANT RAIL NETWORK
FOR 2 X 10 MW POWER PLANT**





REPORT NO. 11/14/Q7KA/FR/2524/R0

MAY' 2019

Consultant:



MECON LIMITED
Ranchi – 834002, Jharkhand
(A Govt. of India Enterprise)



	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

CONTENTS

<u>SECTION I: REPORT</u>		<u>PAGE</u>
Chapter I	INTRODUCTION	1 to 6
Chapter II	REQUIREMENT OF FACILITIES & THE SCHEME	7 to 12
Chapter III	SYSTEM OF WORKING	13 to 14
Chapter IV	COST ESTIMATES	15 to 15
Chapter V	DEMERITS ON SIDING PROPOSAL & PLANT YARD	16 to 18
Chapter VI	CONCLUSION ON COAL UNLOADING SIDING/PLANT YARD PROPOSAL	19 to 20

SECTION II: DRAWINGS

<u>No.</u>	<u>Detail</u>	<u>Drg. No.</u>
I	SIDING ALIGNMENT	MEC/11/14/Q7KA/001
II	STATION LAYOUT & SIDING SCHEME	MEC/11/14/Q7KA/002
II	IN-PLANT RAILWAY YARD	MEC/11/14/Q7KA/003



 usha martin	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

CHAPTER - I

INTRODUCTION

1.0 M/s. Usha Martin Limited (UML) has set up 2 x 10 MW Captive Power Plant at TATISILWAI, Ranchi, Jharkhand which was commissioned in 2012. The plant is located in north east of Ranchi and is approx 12 km from Ranchi Railway Station. The Power plant falls within latitude 23°21'56.05"N & 22°22'28.79"N and longitude 85°25'14.29"E & 85°26'03.60"E. 2x10 MW Captive Power Plant at Tatisilwai, Ranchi was established with a view to ensure uninterrupted power supply to Company's steel wire and wire rope plant. The mode of coal transportation is envisaged by Road. MOEF&CC accorded Environmental clearance (EC) to the CPP vide Letter no. J-13012/122/2008-IA.II (T), dated 07.04.2011 Specific Condition (i) of the EC stipulates as follows:

"Road transportation of coal shall be permitted for a limited period of 36 months only. The project proponent shall shift to railway transportation thereafter. The project proponent shall be vicariously responsible for liabilities incurred for road transportation such as accidental damages to public, coal fines emission from transporting trucks etc. The project proponent shall immediately start its action plan for rail transportation with



	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

consultation with the Railways and shall submit half yearly action taken report to the Ministry on the matter."



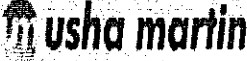

2.0 Coal Source and Mode of Transportation

2.1 Lohari coal block was allocated to UML as source of coal. Lohari coal block during its development phase was de-allocated in 2014 by the Hon'ble Supreme Court. Since commissioning of the plant, the major sources of coal through e-auction were nearby mines of CCL like Purnadih, KDH, Ashoka , Amrapali, Magadh & Sikni Mines of M/s JSMDC.

	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

- 2.2 The company has been sourcing coal through E-auction from the mines of Central Coalfields Ltd located within 200 Kms periphery of the plant. Central Coalfields Ltd has since issued directive vide letter dated 09.09.2014 that lifting of coal for noncore consumers situated nearby collieries of CCL shall be permitted by road only. At present, the e-auction of coal by CCL is being carried out for road mode only.
- 2.3 The Project Proponent (PP) has pursued local railway officials through various meetings and correspondence since 2011 for development of railway facilities at Tatisilwai railway station for unloading of coal. Divisional Railway Manager (DRM), Hatia informed to PP that there is no scope for coal handling at Tatisilwai.
- 2.3 Since there was no development of railway facilities for inbound coal receipt and unloading at nearest Tatisilwai Station within 36 month of the plant operation, the project proponent approached MoEF&CC for amendment in specific condition (i) of EC, requesting permission for road transportation of coal. The Reconstituted Expert Appraisal Committee (EAC) (Thermal) in its 36th meeting held on 19-20th May 2015 recommended for sourcing of coal through e- auction and extension of permission for temporary road transportation of coal by another three years. However, no amendment order was issued by MOEF in this regard.

THE DIRECTOR
 CENTRAL COALFIELDS LTD
 HATIA, JAMSHEDPUR
 JHARKHAND

	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

2.4 As on date also, major coal sources for 2 X10 MW CPP are Sikni, Amrapali and Magadh Block which do not have any railway loading facilities at mines. In view of no allocation of coal block, UML is bound to transport coal by road purchased through e-auction from nearby CCL mines as per Circular No. CCL/HO/C-4/S&M/FSA/Road Mode/9008-18 dated 09.09.2014 of Central Coalfields Ltd, Ranchi.

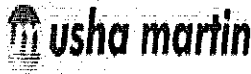

3.0 Study of Coal Unloading Siding & Plant Rail Network

3.1 MOEF has directed UML to explore the possibility of coal transportation and unloading at plant site by Rail mode.

3.2 The inward traffic of coal is as follows

<u>From</u>	<u>Commodity</u>	<u>Quantity</u>	<u>Destination</u>
Inward Traffic Sikni/Amrapali/ Magadh	Coal	500 T/day (183000 T /year)	CPP, UML, TATISILWAI



3.3 M/s UML entrusted MECON Limited with the work to carry out feasibility note/report for providing rail unloading facilities at Plant with desk work of Unloading siding take-off arrangement from nearest

	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

TATISILWAI serving station on Ranchi-Muri Section of South Eastern Railway.

3.4 Brief scope of work of MECON for rendering services for in-plant rail network at Power Plant is as follows



1. Site Visit and Collection of Data regarding Coal Annual Requirement, Sources and Space availability at plant site.
2. Discussion with UML on annual requirement of coal likely to transported through rail.
3. Study Rearrangement of existing facilities within the existing plant area to accommodate rail network for coal unloading.
4. Desk examination to provide coal unloading railway siding from TATISILWAI to Power Plant and incorporate the observations in the report
5. Study & develop scheme of Railway Siding/System at plant site considering the rake requirement.
6. Identification of major bottlenecks in feasibility of siding at plant site
7. Methodology of Siding Operation/working of full rake handling, if feasible
8. Preparation of Feasibility Note/Report highlighting major constraints/bottlenecks in space, location of the plant, coal receipt sources and land requirement.

 usha martin	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

9. Submission of Draft Report.
10. Submission of Final Report (2 Hard copies of the Report along with conceptual diagram of Rail Network at plant site and Soft PDF format report through e-mail)

3.5 Acknowledgement

MECON team of engineers heartily and sincerely acknowledge the whole hearted cooperation and complete support rendered by the Senior Executives, Engineers and Employees of Usha Martin Limited, Ranchi during site visit, data collection, technical discussion and for providing all relevant information for preparation of this feasibility report.



	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

CHAPTER - II

REQUIREMENT OF FACILITIES & THE SCHEME

1.0 PROJECTED TRAFFIC VOLUME

- 1.1 Permissible carrying capacity of a Box 'N' wagon is 66 (CC+6) tonnes approximately when loaded with coal in Barkakana - Muri - Ranchi section in Ranchi Division. The standard Box 'N' rakes comprise of 59 wagon units. Pay-load per rake is, thus, 4012 tonnes. The annual clearance capacity per rake on 365 days working is 1464380 tonnes.
- 1.2 For movement of 183000 tonnes of coal in 365 working days in a year, the average number of rakes to be required per month will be 3.8 and the maximum number of rakes on any month may surge to 4.5, for a cushion of 20% for exigencies, non uniformity of rake availability & movement etc. Capacity parameter of the coal unloading siding is, thus, pegged at receiving of 4.5 rakes a month.
- 1.3 To accommodate full rake coal unloading facilities at plant, 870m length and 25m width is required. Whereas Plant area of 22.437 acres measures the width in boiler, turbine and transformer yard area restricted to

	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

345m from West to East and length parallel to Coal handling unit restricted to 325m from South to North

2.0 UNLOADING MECHANISM AT PLANT

2.1 Rakes have been proposed to be to be unloaded at Plant manually through JCB/Pay loader.

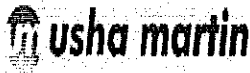
3.0 THE SCHEME

3.1 The recommended scheme for the Coal unloading Siding consists of 2 units

(A) Coal siding from serving station and, (B) Unloading Yard at Plant

(A) Coal Unloading Siding from Serving Station

- i. TATISILWAI is the nearest railway station which is considered for feasibility study for receiving the coal to 2 x 10 MW Power Plant of UML near TATISILWAI. TATISILWAI Station is located 23.372°N and 85.4366°E. The km chainage of UP Station is 407.684 Km from Howrah and DN station is 402.871 km from Howrah.



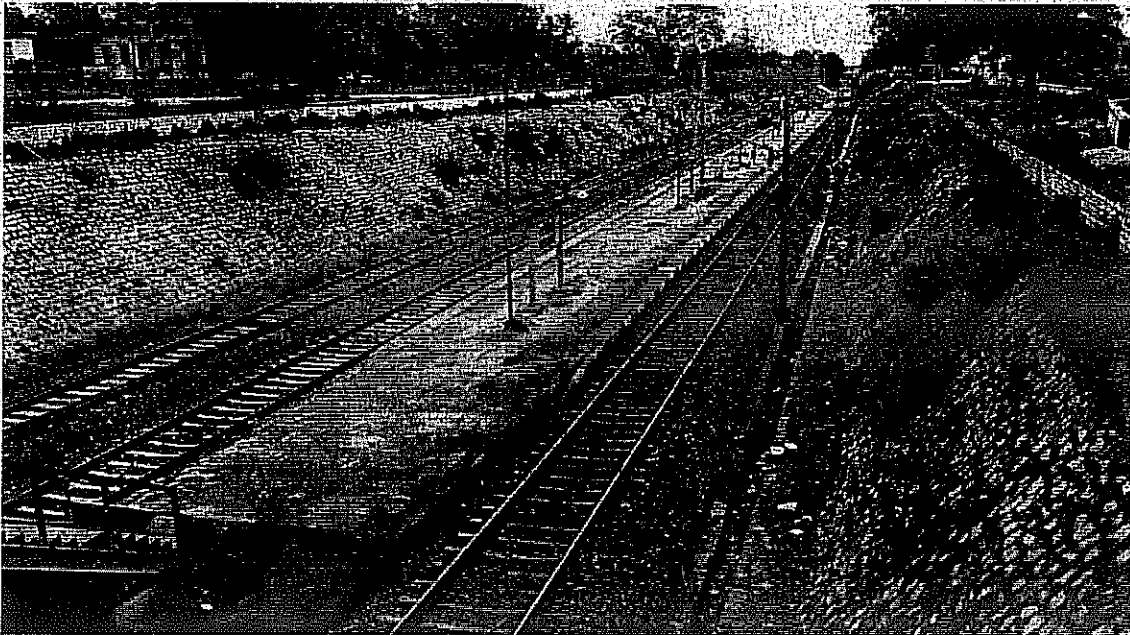
**USHA MATRIN LIMITED
TATISILWAI, Ranchi**



**Feasibility Note/Report For In-plant Rail
Network for 2 x 10 MW Power Plant**



The station is served with the following facilities

- a. UP Main Line
- b. UP Loop line
- c. DN Main Line
- d. DN loop Line
- e. DN Goods Loop Line
- f. Goods Siding 150m for FCI material





Tatisilwai DN Station Map

- ii. The plant is located on DN direction of the station in North West of station. The take-off arrangement of siding on DN station East Cabin may be considered as follows

	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

- a) Extension of goods siding to full rake length for use as reception cum departure line of UML coal
 - b) Provision of new goods siding with shed & platform for FCI parallel to reception line of UML siding.
 - c) Extension of Dead End of existing goods siding to UML Power Plant with isolation for traffic control within the Railway Land from dead end to the plant. There is no private land available between Railway Boundary and UML boundary and siding has to be planned in Railway Land. This, however, is subjected to acceptance and clearance by South Eastern Railway for allowing coal unloading siding in Railway Land keeping in view the requirement of additional railway lines required for passenger & goods traffic growth in future.
 - d) The extended goods siding for full rake load is to be top wired and shunt signals towards UML Plant on west cabin.
 - e) Shifting of road towards North for truck movement of FCI materials.
 - f) UML siding shall be provided with Derailing Switch to control inward and outward traffic of UML by ASM, TATISILWAI.
- iii. Diagram of Coal Unloading siding and station layout with alignment of UML siding is shown in drg no. MEC/11/14/Q7KA/001 & 002 respectively.



 usha martin	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

(B) Unloading Yard at Plant

- i. The plant area is restricted to 22.437 acres considering 33% green belt as per MOEF guidelines. The distribution pattern of land for various plant facilities is as follows

Main Plant including power plant, water reservoir	:	11.670 acres
Coal handling, admn bldg etc.		
Ash Disposal area	:	2.917 acres
Green Belt	:	7.850 acres
Total	:	22.437 acres



- ii. The width of the plant in boiler, turbine and transformer yard area is restricted to 345m from West to East and length of plant area parallel to Coal handling unit is restricted to 325m from South to North. Land beyond 325m towards Subarnarekha River is allotted to Fly Ash Brick Manufacturing unit and Sub Station of JBVNL. River Subarnarekha is flowing at about 250 from the plant boundary in North West & North.
- iii. Since space availability is restricted along the coal handing area, full rake or half rake unloading is not feasible. Rail yard from west to east is not possible due to boiler/mill/transformer yard. The only option is to consider part wagon unloading through multiple shunting from reception line at TATISILWAI Station.

	<p align="center">USHA MATRIN LIMITED TATISILWAI, Ranchi</p> <p align="center">Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant</p>	
-----------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

iv. As such scheme for unloading line for 8 wagons is examined with engine escape line within the existing plant area of 22.437 acres. Unloading yards of 90m x 12 m is considered for coal storage and further movement to coal handling plant.

v. Part of ash dyke (approx 25%) will be relocated to accommodate coal unloading yard.

vi. The scheme of in-plant yard is depicted in the enclosed drg no. MEC/11/14/Q7KA/003.



	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

CHAPTER - III

SYSTEM OF WORKING

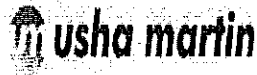
In case of development of coal unloading siding in Railway Land at Tatisilwai Station and creation of 8 wagons unloading yard at the plant, the system of working will be as follows:

- 1.0 Coal rake will be received at DN goods loop line from BRKA direction of BRKA-TIS section of South Eastern Railway on proposed new line from BRKA-RNC.
- 2.0 Since plant yard is restricted to 8 wagons unloading at time only, placement of load at plant shall be through multiple shunting by Railway Shunting locomotives. 8 wagons will be detached from rake and hauled to plant by Railway locomotives. After placement, loco will escape through engine escape line. Unloading time of 8 wagons is considered as 1 hr. Empties will be pushed from plant to good siding line at Tatisilwai station and placed at DN goods siding (presently used for FCI) to be extended for full rake length under coal unloading siding proposal.
- 3.0 8 loads and 8 empties will take about 16 hrs of placement & shunting. In addition to above 2 hrs will be considered for TXR and 2 hrs waiting time

	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

for loco availability for withdrawal from station. Total cycle time for 1 rake is about 24 hrs.

- 4.0 The entire siding will be on railway land which shall be on annual lease as per railway policy which shall be 6% annually of land value.
- 5.0 Loco shunting charges shall be as per railway board circular TC-1/2002/214/5 dated 13.06.2018 which is Rs 9860/hour.



**USHA MATRIN LIMITED
TATISILWAI, Ranchi**

**Feasibility Note/Report For In-plant Rail
Network for 2 x 10 MW Power Plant**



CHAPTER - IV

COST ESTIMATE

There will be 2 cost components which are as below:



A. CAPITAL COST

- 1.0 The total capital cost of Civil Engineering, Signaling & Telecommunication, Electrical (OHE) and Mechanical Engineering works from the take-off point at Tatisilwai east including alteration/modification of station layout, FCI siding will be after discussion with Railway for accepting the proposal & in-principal approval of take-off and siding upto UML boundary in railway land.

B. OPERATING COST

- 1.0 Operating cost involves railway land on annual lease, locomotive shunting charges, siding charges, wagon demurrage charges and siding maintenance cost. In addition to above, since railway siding at mines is not existing, dual mode of transportation i.e. by road and rail will be involved. Locomotive shunting charges & annual land lease is mentioned in chapter III. UML will continue to transport coal through road upto the nearest siding.

The costing is subject to the relevant Railways circulars & guidelines for Coal unloading siding

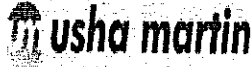

	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

CHAPTER - V

DEMERITS ON SIDING PROPOSAL & PLANT YARD



Based on scheme of coal unloading siding and plant yard, the siding has the following demerits:

- 1.0 UML does not have any captive mines allocated for coal. Earlier allocated Mines at Lohari has been de-allocated. UML Power Plant is entirely dependent on coal purchased through e-auction from nearby CCL mines.
- 2.0 Presently coal is being transported from Amrapali, Magadh and Sikni Mine of CCL through e-auction which does not have provision of railway rake unloading. Further CCL vide notification in September 2014 & 2018, has informed to noncore consumers located within 200km distance from mines about road mode transportation of coal.
- 3.0 Plant area is restricted to 22.437 acres which includes 7.85 acres of green belt. Plant land profile does not permit provision of full or half rake unloading of coal.
- 4.0 Only 8 wagons unloading yard is examined in present land profile with relocation of part of ash dykes to new location. However, there is no

	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------



spare land available in the existing plant to relocate ash dyke for creation of 8 wagon unloading yard.

- 5.0 River Subarnrekha is flowing very close to the site which imposes restriction on yard length for full rake unloading.
- 6.0 Even after 8 wagons unloading yard is constructed at plant, UML has to opt for road transportation from mines to nearest loading siding.
- 7.0 Private land is not available and siding has to be developed on railway land. The annual leasing of the railway land and acceptance of siding proposal will depend on Railway's future plan of additions at Station to meet growing passenger and goods traffic requirement.
- 8.0 Coal from Tori/Barkakana end is to be received at DN station through proposed BRKA-RNC new line which is under construction since plant is located on DN side. Any movement from Tori/Barkakana end on UP line cannot enter into UML plant on DN side.
- 9.0 For multiple shunting of part wagons to and from plant, loaded or empty rake has to be kept under hold at DN good loop or goods siding for long which may affect goods traffic of different commodities from Chhattisgarh/Odisha.

 usha martin	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

10.0 Additional cost involvements towards operation due to loco shunting, railway demurrage towards retention of rake beyond 9 hrs of free time, siding maintenance charges etc. Demurrage charges will be about Rs 100/wagon/hour.

11.0 In any case even if unloading facilities are created at Tatisilwai railway station, Usha Martin Ltd. will still have to transport coal from Mines to the nearest CCL loading siding by road unless rail facilities are created at mines.



 usha martin	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

CHAPTER - VI

CONCLUSION ON COAL UNLOADING SIDING/PLANT YARD PROPOSAL

Based on the scheme of siding and plant unloading yard, the following is concluded

- 1.0 UML is dependent on e-auction for sourcing of coal and does not have captive coal mine
- 2.0 There is no vacant private land available for siding beyond railway boundary and uncertainty exists on feasibility/acceptability of UML Coal unloading siding on railway land by South Eastern Railway, Earlier, DRM, South Eastern Railway has informed difficulty of coal handling at Tatisilwai station.
- 3.0 Plant land profile restricted on full or half rake unloading yard
- 4.0 Creation of unloading yard of 8 wagons inside plant premises is not feasible as land is not available within plant for relocation of ash dyke and green belt.

 usha martin	USHA MATRIN LIMITED TATISILWAI, Ranchi Feasibility Note/Report For In-plant Rail Network for 2 x 10 MW Power Plant	
------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

- 5.0 Regular demurrage charges of rake retention beyond free time are to be borne by UML on each coal rake due to multiple shunting of load and empties at station & yard.
- 6.0 Railway shunting locomotive cost to be borne by UML for each rake load.
- 7.0 Dual mode transportation of coal cannot be avoided due to non existence of siding at CCL mines.

Considering the above facts on coal transportation and handling, the plant cannot accommodate full or half rake unloading railway yard as well as 8 wagons unloading yard on present land profile of the plant. In-plant yard of 8 wagons length is not feasible/workable as 8 wagon unloading yard involves multiple shunting, holding rake at station for longer duration, land lease, additional operating cost towards engine shunting charges and railway demurrage bills beyond allowed free time of unloading. Moreover there is uncertainty for coal unloading railway siding from Tatisilwai station as vacant land belongs to Railway and Railway may have their future plans of additional lines to cope up the growing passenger and good traffic on RNC-BRKA and RNC-MURI section of South Eastern Railway. There is no vacant private land available for siding beyond railway boundary.

Hence, development of full or half rake unloading facility in current land profile at 2X10 MW Captive Power Plant of M/s Usha Martin Limited, Tatisilwai is not feasible.



Coal India Limited
A Government Company
www.cilindia.com

CENTRAL COALFIELDS LIMITED

(Govt. of India Undertaking)
SALES & MARKETING DIVISION
DARBHANGA HOUSE, RANCHI 834 001
Phone: (0651)236 0606 (10 Lines), 236 0123



No. CCL/HQ/C4/RS/18
Date: 16/11/18

16282-83

To,
Sri Tanmoy Sinha,
Sr. DGM-CPP,
M/s. Usha Martin Limited,
Tatisilwai-835103, Ranchi,
Jharkhand.

Sub:- Information regarding dispatch through Road & Rail for coal procured through spot e-Auction
Ref:- Your letter No. CPP/CCL/COAL/18/11/02 dtd. 2nd Nov'18

Dear Sir,

In reference to your letter regarding above mentioned subject, this is to inform you that presently CCL is having sufficient coal stock at Magadh & Amrapali mines from where coal is regularly being offered under different e-Auction schemes through Road mode. Therefore, you may procure coal from such mines through Road mode.

Further to mention that considering the wagon availability vis'-a'-vis' requirement of meeting demand of coal by up-country power consumers, consumers located in the vicinity of CCL mines are encouraged to lift coal through road mode. Since your plant is also located in vicinity of CCL mines, it is suggested to consider lifting of coal through Road mode for smooth operation of your plant.

This is for your kind information and further needful please.

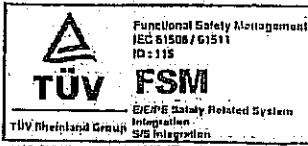
Yours Faithfully,


16/11/18
Chief Manager (M&S/RS), CCL

Copy to :-

1. GM(M&S), CCL

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103



Yokogawa India Limited
MERLIN INFINITE
Office No. 710, 7th Floor, Plot No. 51,
Block - DN, Salt Lake City, Sector - V,
Kolkata - 700 091
Tel : 91-33-30548000

YOKOGAWA

Ref: YIL/GSD/VAS/KOL/P/14313
05/05/2015

To

USHA MARTIN INDUSTRIES LIMITED
TATISILWAI, RANCHI-835103
Jharkhand

Kind attn.: Mr. Arindam dasgupta

Dear Sir,

Subject: - Submission of detailed document of Usha Martin Industries Limited, Ranchi, Jharkhand for Yokogawa India Limited's Online Emission monitoring to JSCB and CPCB server

We would like to inform you that with reference to your order no: PP/30066/14-15 dated 26/02/15 we have successfully commissioned at Usha Martin Industries Limited for Online Emission data Monitoring data Transmission to JSPCB on 28/03/15. All the Online emission data are updating in server satisfactorily without interruption. Yokogawa Server continuously monitoring all the data in Server if any discrepancy found then same will be rectified at the earliest.

Please find enclosed here with the detailed documents for your information and future record. So request you to kindly acknowledge the same.

We would like to thank you for your kind cooperation extended to us.

Thanking you

Truly yours For Yokogawa India Limited

Sukanta Das

Customer Service Division

Mob: 9748754923

Email: Sukanta.das@in.yokogawa.com



Registered Office : Plot No. 96, Electronics City Complex, Hosur Road, Bangalore - 560 100, INDIA
CIN No. : U74210KA1987FLC008304 Email Id : contactus@in.yokogawa.com Web Site : <http://www.yokogawa.com/in>

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103

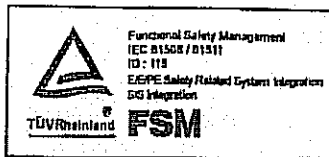
MINUTES OF MEETING

vigilantplant

CUSTOMER		USHAMARTIN LTD.	
MEETING LOCATION		OPP. STATISILWAI, RANCHI, JHARKHAND	
DATE		March 28, 2015	
PURPOSE OF THE MEETING		Addition of new tags for remote transmission & monitoring on CPCB site	
W.O.			
CUSTOMER PARTICIPANTS		YOKOGAWA PARTICIPANTS	
Mr. M.S. Mandal Mr. V. Kumar		Mr. Dhirender Dagar (Yokogawa India Ltd) MOB. 9996952300	
S/NO	DESCRIPTION	ACTION BY	REMARKS
1	M/S YIL Engineer visited the site on 28-03-15 to add and configure new tags for remote transmission & monitoring on CPCB site.	M/S YIL	
2	The following new tags are added through Gate OPC and the same tags are added at DPOB site: TAG RANGE UNIT 1) ETIP PH 0-14 pH 2) ETIP TEMP 0-150 degC 3) ETIP SPTSS 0-1000 mg/ltr 4) BT1312 0-500 degC 5) BT1312 0-500 degC	M/S YIL	
3	The newly added tags showing proper value after configuration and under observation. Usha Martin will update if any further modification required for tags configured.	M/S YIL	
4	YIL request to Usha Martin to provide detail for Liml value as per norms set up by State pollution control so that we can display same at our site.	M/S YIL	
5	M/S YIL Engineer is leaving site on 28/03/2015 after completing above activities.	M/S YIL	
(M/S YIL) <i>[Signature]</i>		(YOKOGAWA) <i>[Signature]</i>	
CUSTOMER		YOKOGAWA	



[Handwritten signature]



Yokogawa India Limited

Regd. Office :
Plot No. 96,
Electronics City, Hosur Road
Bangalore - 560 100, India

Tel : 0091-80-41586000
Fax : 0091-80-28521445

YOKOGAWA

To,

Date:24/12/2013

Usha Martin Ltd.
(Wire Ropes and Specialty products division)
Works: Tatisilwal, Ranchi 835103
Jharkhand, India.

Sub: Completion certificate for Online connectivity of CEMS data to JSPCB

Ref: PO.No. 201552 and PP/30059/13-14 dated 4/9/2013

To whomsoever it concerns

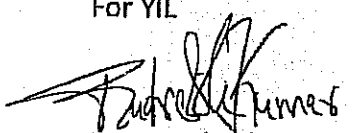
With reference to the above mentioned purchase order, we would like to inform that M/s Yokogawa India Ltd. has successfully completed supply, supervision, erection and commissioning of emission data connectivity to JSPCB for their verification and evaluation. PIs refer to the Minutes Of Meeting signed accordingly by M/s UML.

The performance is found to be satisfactory.

With this M/s Yokogawa has successfully completed and handed over the job in accordance with the Usha Martin Ltd's requirement on 13-12-2013

Thanking you,

For YIL


Mr. B. Rudresh Kumar
Assistant Manager


CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103

MINUTES OF MEETING

vigilantplant

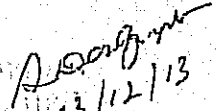
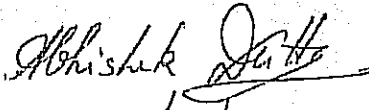
❖ CUSTOMER NAME	❖ M/s Ushamatin Ltd		
❖ MEETING LOCATION	❖ Power-Plant- Ranchi		
❖ PURPOSE OF MEETING	❖ Connectivity to JPCB		
❖ MEETING DATE	13-12-2013	❖ SERVICE REQUEST NO	KOL/13/A/CA/31354
❖ P.O. No	20152	❖ P.O. DATE	06/09/2013
❖ 1 st VISIT START FROM	14-11-2013	❖ 1 st VISIT END ON	15-12-2013
❖ 2 nd VISIT START FROM	27-11-2013	❖ 2 nd VISIT END ON	30-11-2013
❖ 3 rd VISIT START FROM	12-12-2013	❖ 3 rd VISIT END ON	13-12-2013

Member presents on Meeting

FROM UML		 YOKOGAWA	FROM YOKOGAWA	
Mr Arindam Dasgupta			Mr Prabir Mandal	
			Mr. Abhishek Dutta	

During the visit YIL engineer carried out the following jobs

SL No	DESCRIPTION	REMARKS
1.	Emission control system is connected with OPC station (HIS0163). Through OPC Interface, required tags are configured so that we can receive those tags to the prescribed system. Here through Gate OPC, tags fetching.	
2.	Through DATA LOGGER this tags are coming to the assigned system. All the assigned tags are coming successfully through DATA LOGGER in the System. Web monitoring software was installed in this system and through this software this tags are given to JPCB server via Internet.	
3.	BSNL router was used for Internet. For making this system safe from Internet virus, one UTM box- Cyberdam was installed between Internet router and logger server system.	
4.	UTM box was configured successfully. Port A is assigned for system and Port B was assigned for Internet router. Kindly don't interchange the port or disturb the configuration, because UTM box configuration was very critical one and once it get disturb, then JPCB will not able to see the data. Backup of UTM box was taken and saved in drive D and UTM box is also protected with password.	
5.	The assigned data are checked through Internet, all are successfully going to JPCB. Customer wants a certification regarding this connectivity asap for onward submission to the Ministry of Environment.	
6.	Engineer of YIL left the site on 13/12/2013	

 13/12/13 M/s UML	 13/12/13 M/s YIL
------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

Office of the Director, Ground Water Directorate, Jharkhand, Ranchi.

"Abhyantran Bhawan", Kutcheri Chowk, Ranchi-834001, Phone-91-2217141/Fax-91-2214830

E Mail-gwi.rwh@gmail.com

Letter No. **G.W.D 380** / Ranchi dated **25.11.2011**

From,

S.L.S. JAGESHWAR,
Director,
Ground Water Directorate, Jharkhand,
Water Resources Department,
Govt. of Jharkhand.

To,

Sri N.K. Patodia
Assistant Vice-President
Usha Martin Limited
Wire Ropes & Specialty Products Division
Tatisilvai-835103
Ranchi, Jharkhand.

Sub:- Approval of "Rain Water Harvesting" Plan submitted by you for your Captive Power Plant.

Ref:- Your letter no. UML/ CPP/EMS/GWD/RWH/11/04 dated 25.10.2011.

Sir,

Kindly refer to your Design & Plan of "Rain Water Harvesting" for Ground Water Recharging prepared by KRG Rain Water Foundation, Chennai along with associated Hydrological, Hydro-meteorological and Geophysical data of the area, submitted to this office vide your letter no-UML / CPP / EMS / GWD / RWH/11/04 dated 25.10.2011.

Your Rain Water Harvesting for Ground Water Recharging Plan envisages to recharge **77963M³** of run-off-rainwater every year, resulting in Groundwater Recharge of the order of **66269M³** annually. The recharge structures incorporated in the plan consists of **One Storage Cum Percolation Pond (SCP)** of dimensionon (Top dia-40060M and bottom dia 31.40M) and a depth of 4.60M. 4 nos. of **Recharge shafts** are also proposed in the bed of the SCP. Additionally, one no. of **Dug cum bore-well** and one no. **Recharge well with one no. Recharge shaft** is also provided for in the plan. One number of **contour bund** has also been proposed.

Demand of water in the plant, as stated in the said plan is 624M³ per day ie. 227760M³ per annum, which is being lifted from Subarnarakha River. In accordance with prevailing rules of Water Resources Department, Govt. of Jharkhand, more than 2% of above quantity (227760M³) must be recharged. 66,269M³ of rainfall runoff is proposed to be recharged per year, as per the plan submitted, after the construction of recharge structures against the mandatory requirement of 4600M³.

For further recharge, it is suggested to provide depth of recharge shafts of various recharge structures uniformly as 80M instead of 70M, 50M and 30M as proposed in the submitted Rain Water Harvesting Plan.

The plan submitted by you for "Rain Water Harvesting" is approved subject to the following conditions: -

1. Your entire "Rain Water Harvesting" Project for Ground Water Recharging must be completed within 60 days of the approval of the plan.
2. Prior to Construction of proposed check-dam over nalla, necessary consent of the concerned authority must be obtained.
3. The Proposed Rain Water Harvesting Recharge Pits (Linear Artificial Recharge Structure) must be constructed as per standard design of filter materials and boring in the pits, annexed with this letter.
4. The Ground Water Level in at least 3-4 dug wells in and around your plant, must be monitored in the first week of every month and the data be necessarily made available to this office.
5. The quality of Ground Water in and around the plant area must be monitored periodically (every 6 months) and the data be necessarily made available to this office and to Jharkhand State Pollution Control Board, Dhurwa, Ranchi.
6. The Recharge Pits (LARS) to be constructed by you must be maintained properly for all times to come. The top coarse sand layer in the pit must be changed every alternate year, before the onset of monsoon.
7. The Completion Report of the entire project within the stipulated period (60 days), must be communicated to this office as well as to Jharkhand State Pollution Control Board, immediately after completion of the project.
8. "This Plant has elaborate Rain Water Harvesting Facility", must also be displayed prominently at the entrance and other places of your plant, in order to sensitize more people about Rain Water Harvesting.

Enclosures: (1) Technically Approved Rain Water Harvesting Plan
(2) Standard Plan and Design of Recharge Pits.

D. Banerjee
26.11.11
D. Banerjee
(Deputy Director)
Ground Water Directorate, Ranchi.

Yours sincerely,
[Signature]
24/11/2011
Director,
Ground Water Directorate,
Jharkhand, Ranchi.



usha martin

Usha Martin Limited
(Wire Ropes & Speciality Products Division)

Works : Tatilsilwai - 835 103, Ranchi, Jharkhand,
Ph.: (00 91 651) 226 52 41/3051400/430, Fax : (00 91 651) 3051409/410

Ref : UML/EMS/GWD/RWH/12/02
Date : 15/10/2012

To
The Director,
Ground Water Directorate, Jharkhand,
Water Resources Department,
"Abhiyantran Bhawan", Kutchery Chowk,
Ranchi - 834 001

Kind Attn. of : Mr. SLS Jageshwar
Sub : To submit Completion Report on Rain Water Harvesting Plan

Ref: i) Our Letter Ref. No. UML/CPP/EMS/GWD/RWH/12/01 dtd. 03.05.2012 and
ii) Your Letter Ref. No. GWD - 197/ Ranchi dtd. 21.04.2012.



Further to our above letter (ref. No. UML/CPP/EMS/GWD/RWH/12/01 dtd. 03/05/2012), we would like to place following facts before your good self for kind information:

We are pleased to inform you that the entire construction activities of Rain Water Harvesting Plan had already been completed by M/s. KRG Rainwater Foundation, Chennai. In this connection, M/s. KRG Rainwater Foundation, Chennai has also issued a "Completion Certificate" as well as a "Completion Report". We are hereby enclosing two sets of the above Certificate and Report for your kind perusal please. We are very confident that the Installation of Rainwater Harvesting Systems will augment the recharge of Ground Water and also improve the quality of Ground Water of not only the entire factory premises but also the surrounding communities to a considerable extent. In this connection, we would like to mention that the Land of CPP is low level land and as such we have developed the RWH System in this area. The system is working perfectly.

Being submitted for favour of information and in compliance of above referred letter.

Thanking you,

Yours' faithfully,
for **USHA MARTIN LIMITED,**
(Wire Ropes & Speciality Products Division)

NK Patodia
(NK Patodia)

Asst. Vice President

Encl : As stated above

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISILWAI, RANCHI
JHARKHAND, PIN-835103



Certified as an approved
Manufacturer by
Lloyd's Register of Shipping



Certified as an approved
Manufacturer by
Det Norske Veritas



Certified by the
American Petroleum Institute
License number 9A - 0017



TYPE APPROVAL PROGRAM
Certified as an approved
Manufacturer by
American Bureau of Shipping



SOLID WASTE/FLY ASH GENERATION & UTILIZATION 2018-19

MONTH	QTY ASH GENERATED (MT)	QTY UTILIZED (MT)			UTILIZATION IN % *
		UTILIZED IN FLY ASH BRICK PLANT	3RD PARTY UTILIZATION	TOTAL (MT)	
APRIL'18	5916.13	1162.34	4499.95	5662.29	95.71
MAY'18	7189.20	632.61	5247.22	5879.83	81.79
JUNE'18	8069.88	508.37	7525.71	8034.08	99.56
JULY '18	5680.06	373.54	6122.78	6496.32	114.37
AUG'18	6285.17	705.73	5426.11	6131.84	97.56
SEPT'18	4563.01	995.99	4524.76	5520.75	120.99
OCT'18	5510.70	1223.14	4776.50	5999.64	108.87
NOV'18	6341.55	1328.99	5021.01	6350.00	100.13
DEC'18	3991.99	1357.38	2705.00	4062.38	101.76
JAN' 19	6984.86	1272.97	6027.60	7300.57	104.52
FEB' 19	6055.05	1082.15	4950.59	6032.74	99.63
MAR'19	3754.44	618.34	3115.99	3734.33	99.46
Total	70342.04	11261.55	59943.22	71204.77	101.23

CPP (2 X 10MW)
 USHAMARTIN LTD.
 TATISIL WAI, RANCHI
 JHARKHAND. PIN-835 103

Captive Power Plant(CPP) - Existing Plant Description

Sl.No.	Name of Plant	No. of Plants						
		Till 2014*	2015-16 ##	2016-17##	2017-18 ##	2018-19##	2019-20**	Total
1	Eucalyptus							
2	Babool							
3	Gamhar							
4	Pipal							
5	Acadia							
6	Sissoo							
7	Jamun							
8	Neem							
9	Bakain							
10	Forest plant							
11	Babool							
12	Mango							
13	Guava							
14	Litchi							
15	Amaltas	654	1668	1155	1762	1400	1303	7942
16	Moringa							
17	kadam							
18	Alstonia							
19	Peltofarm							
20	gulimohar							
21	jakranda							
22	melia dubia							
23	karanj							
24	Ashok							
25	papaya							
26	lemon							
27	chikoo							
28	jackfruit							
29	Ber							
30	Pomegranate							
* Existing Plants			## Plantation done					**Tree planting plan

Requirement

• Plantation Area to be = 7.85 Acre i.e 3.177 Ha, No of Plants to be = 7942@2500 plant/Ha

Completed:6639 Plants

Remaining Plantation to be raised in FY 19-20 =1303

CPP (2 X 10MW)
USHAMARTIN.LTD.
TATISIL WAI, RANCHI
JHARKHAND, PIN-835103

Progress Report
UML CSR Power Plant Area
Oct' 18 - March'19



Progress Report Oct' 18 to March'19

CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAJ, RANCHI
JHARKHAND. PIN-835103

Villages covering CSR Project Power Plant Area.

The project area of UML-CSR, Ranchi is operational in 29 villages in and around the Captive Power Plant and covering three Blocks of Ranchi District Namely Namkum, Angara and Kanke. Usha Martin Ltd. Company's CSR (Corporate Social Responsibility) is based on Total Village Management (TVM), which are multi-pronged activities interlinked with the values of ownership, transparency and improvement at every level. TVM's 8 pillars together hold up the idea of achieving integrated, equitable and sustainable development through public-private-peoples' partnerships or P4. The 8 pillars represent fields of work that are both separate and interlinked, converging into an integrated workable model. They are:

- Natural Resource Management
- Health Hygiene & Sanitation
- Education
- Capacity Building
- Livelihood
- Renewable Energy
- Resource Mobilization

CSR activities of Power Plant which carried out in the month from April'18 to March'19 are as follows:

Natural Resource Management Activities:

- For promotion of organic farming we have promoted **NADEP compost (21) & Compost pit (64), Low cost vermi compost (08) for organic manure, Fish tonic (02)** a organic way for pest control. We have also promoted **Azola pit (05)** to add nutrient value in cattle feed.
- As an ongoing activity we are also repairing the existing Hand Pumps in the 29 villages and creating water user groups. For this we have trained twenty persons **(12)** from the village itself, as a result generating employment for them also.



These mechanics have been provided certificates from KGVK and as and when demand comes the Mukhiya's also call them and provide assignments. **We (Usha Martin) have repaired Fourteen (40) hand pump in our area** for better access to **safe** drinking water.



- **SRI plantation** has been the major Achievement in UML- CSR Area. Two Thousand Thirty Five farmers in **21 villages** had done paddy cultivation, in 2016-17 and we added 192 New SRI farmers.

- **We have Linked 128 Household cum farmers with Govt. Scheme** for SRI and

supported farmers through awareness, techniques and close monitoring of the whole process. We have also incorporated the Govt. Scheme in the villages. As this year the rainfall was timely and by seeing the paddy fields we expect around 1.5 to 2 times better production through SRI technique in compared to traditional way of cultivation.

- SHG / Kisan Groups have been provided the paddy Treasures as well as weeding machine for making paddy cultivation and weeding easy. Motivation to the beneficiaries and coordination with govt. officials has augmented the number of crops insurance in the villages.

- **158 farmers have Insured their crops for any eventuality.** CSR Team of Usha Martin has encouraged the farmers.

- **Soil Health Card of 67 Farmers land has been prepared.**

- Maize seed have been distributed among 58 farmers.

- Gram (Chhana) seed were given to 283 farmers for promotion of pulses.



- Irrigation has been a serious problem for farmers and due to this reason; they were reluctant to do cultivation in summer season. **Thus, Usha Martin had initiated the construction of 59 new Low lands well in the periphery of factory. This has encouraged 26 FARMERS for adopting the SWI (Systematic Wheat Intensification) in the RAVI season, which cover additional 120 Acres of land for Rabi crop cultivation.**

- Five (11) Jal miner are being constructed in the TATI EAST, Tati West, Baram and Chatra village for more than 550 households.

Health Activities



- (19) General Health Camps along with Eye Camp, were organized for truckers, helpers and villagers in Tati, Haratu, Mahilong, Chatra, Hesal, Mahilong, Masu and Ara in which around 845 patients were examined and medicines were distributed.

- Seventy (52) Adolescent girls group meeting has been conducted in 16 villages

and make them aware about personal hygiene, communicable diseases, Anemia etc. Hemoglobin Test of adolescent girls has been done in villages to check the level and to make them aware about the curative measures.

- Fifty seven (77) Home Visits has been for awareness about Anti Natal Checkup, Post Natal Checkup, Immunization etc. with the ladies who were present in Health due list of Sahiya.

- We have organized Fourteen (06) school health session in government schools. The children are made aware about personal hygiene, hand washing techniques, prevention from different diseases etc.

- ☐ As under Swatch Bharat Abhiyaan Toilet construction is going on in all CSR villages and 89 toilets have been constructed. We have conducted many sanitation awareness sessions in villages to make people aware about the ill effects of open defecation and



also tried bring them out of old habits and also tried to develop self-respect'

- ☐ We provided training and awareness for strengthening the Health committee of village and thus committee were able to take appropriate action for the benefit of the school. CSR team have taken participation in the village health committed. Total 57 training/ participation were held.

- ☐ Sanitation program in school have been carried out for mass awareness upon health, hygiene and sanitation. Total 06 session were held in the school, where Doctor and support staffs trained the children and workers of the schools.

Women Empowerment

☑ As Govt. has started the drive for Laxmi ladli Yojana, Atal Pension Yojana, PMBSY, PMJJY we have conducted several rounds of meeting in villages to motivate farmers for towards opening their account in these schemes so to make them financially strong. These are :

- ☑ Samsaya Samadhan Samooh meeting 12 Nos.
- ☑ SHG meeting 85 Nos.
- ☑ Training on SRI 09 Nos.
- ☑ Village Health Committee meeting 57 Nos.

☑ We have also participated in SHG meeting and briefed about our TVM model and also livelihood enhancement program like mushroom cultivation, poultry, piggery, fishery, duckery etc. Before implementation of our activities we discuss in SHG meeting to do need analysis and also to check acceptance level of our activities which are going to implement. We also discuss about the govt. schemes running currently and also about the new schemes which govt. launches for their betterment.

☑ Some Govt. Scheme, which linked / Coordinated with CSR Villagers/ Communities

☑ Pack House for storage of Vegetable and fruits-17 No/- Families

☑ Ujjawal Gas 77 Families

☑ Old Age Pension 40 Families

☑ Widow Pension 36 Families

☑ Lal Card for Rathan 33 Households

☑ Exposure Visit of Farmers 36 Nos.

☑ Health Card =364 Families

☑ Solar Lamp----- 02 Nos.



Photo Gallery:

Figure- 1: Training and Workshop at Ram Krishan Asharm for Stakeholders



Figure- 2 : Systematic Wheat Cultivation of Prakah Kuzur of Ara



Figure-5: Paper Clipping

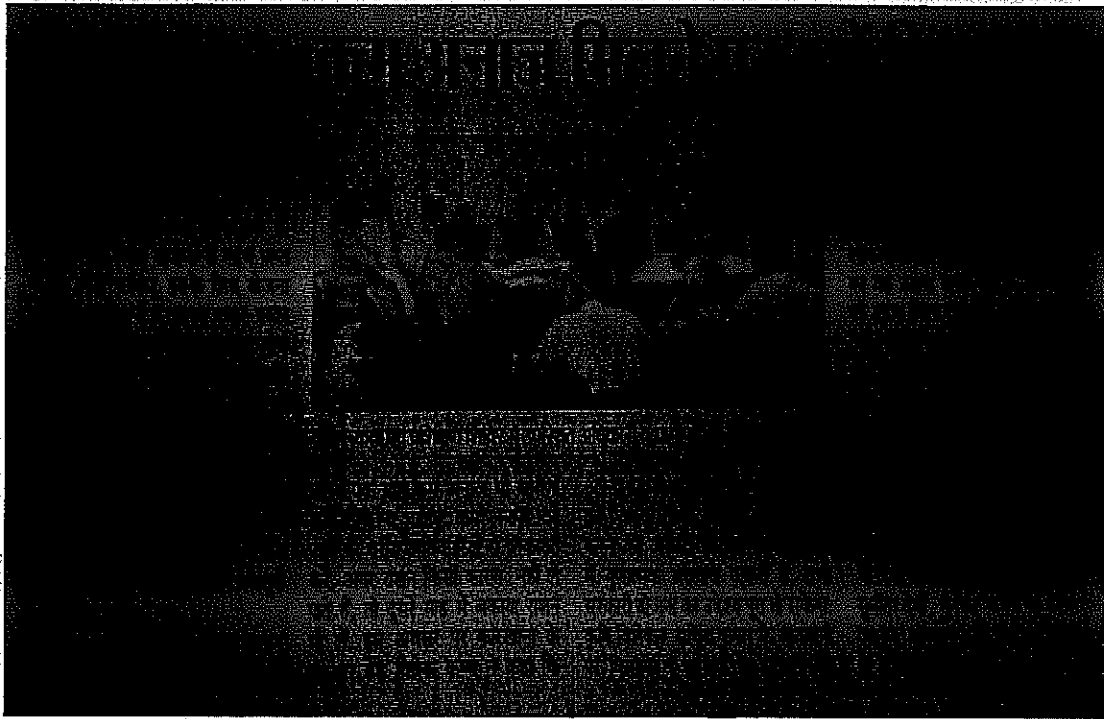


Figure-6: Paper Clipping



CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103

Figure-7: Paper Clipping

बीमारियों की रोकथाम में उपयोगी है मशरूम

प्रमुख संवाददाता ▷ रांची

बीमारियों की रोकथाम में मशरूम उपयोगी है. मशरूम के प्रयोग से मधुमेह को नियंत्रित किया जा सकता है. दिल की बीमारी से जूझ रहे व्यक्ति के लिए मशरूम वरदान है. इसमें कोलेस्ट्रॉल की मात्रा न्यूनतम होती है. इसके माध्यम से वजन नियंत्रण में सहायता मिलती है. उक्त बातें विस्सा कृषि विश्वविद्यालय के टीचिंग प्रोफेसर हरि पद मुर्मू ने कही. उषा मार्टिन सोएसआर के सौजन्य से मशरूम खेती पर आयोजित व्यावसायिक प्रशिक्षण में उन्होंने इसकी खेती से संबंधित जानकारी दी. प्रशिक्षण में आधा दर्जन गांवों की महिलाएं व स्वयं सहायता समूह के सदस्य शामिल हुए.

हरिपद मुर्मू ने बताया कि गर्मियों के दिनों में सफेद दूधिया मशरूम की खेती की जानी चाहिए. मार्च से अगस्त तक इसकी खेती की जा सकती है. ओयस्टर मशरूम की खेती लगभग सालों भर की जा सकती है. उषा मार्टिन के सोएसआर हेड डॉ. मयंक मुरारी ने बताया कि वित्तीय वर्ष 2018-19 में अभी तक 98 परिवारों को मशरूम खेती से जोड़ा गया है. कृषि विशेषज्ञ सचोंद्र कुमार ने फूल की खेती तथा टपक सिंचाई के महत्व पर जानकारी दी. टाटी पंचायत के प्रवीण महतो ने

- उषा मार्टिन का मशरूम खेती पर व्यावसायिक प्रशिक्षण
- प्रशिक्षण में आधा दर्जन गांवों की महिलाएं हुई शामिल

अपने खेत में किये जा रहे प्रयोग के बारे में गांववासियों को बताया. कार्यक्रम में मोनीत भूटकुमार, भुवनेश्वर महतो, सुनीत देवी, रोशन लिंडा, अनीता देवी, राधा देवी के अलावा सिलवई, चतरा, मासु, जमुआरी, महिलांग, टाटी पूर्वी एवं पश्चिमी, हरानु एवं आरा पंचायत की महिलाएं मौजूद थीं.

कृषि प्रशिक्षण यात्रा: उषा मार्टिन सोएसआर के गांवों से जुड़े किसान तीन दिवसीय कृषि प्रशिक्षण यात्रा में कृषि से संबंधित जानकारी हासिल की. कृषि विभाग रांची द्वारा विभिन्न प्रखंडों के गांवों के प्रगतिशील किसानों को कृषि शिक्षा के लिए रायपुर भेजा गया था. शिक्षा सह प्रशिक्षण यात्रा के दौरान किसानों को छत्तीसगढ़ के विकसित एवं प्रगतिशील किसानों से वार्ता कराई गयी. कृषि भ्रमण पर जानेवालों में चतरा के दिलीप महतो, जानुम के गोवर्धन महतो, टाटी के प्रवीण महतो, सिलवई के भुवनेश्वर महतो, नरेश महतो, हाहे के ललकु मुंडा, सालहन के देवदत्त चौधरी, बंडवरी के जगेश्वर महतो आदि शामिल थे.

शहादत दिवस मना

प्रभात खबर

Fri, 29 March 2019

<https://epaper.prabhatkhabar.com/>



Figure-08: Paper Clipping

उषा मार्टिन ने टाटीसिलवे मवि के भवन का जीर्णोद्धार किया

वरीय संवाददाता > रांची

पढ़ाई के लिए आधारभूत संरचना मूलभूत जरूरत है, लेकिन उससे ज्यादा उन संरचनाओं की सुरक्षा एवं रखरखाव जरूरी है, विद्यालय में बच्चों को पढ़ाई के साथ स्वच्छता का ज्ञान भी दिया जाना चाहिए, उक्त बातें उषा मार्टिन के प्लॉट हेड एसबीएन शर्मा ने कही। ये शनिवार को विद्यालय के बच्चों को संबोधित कर रहे थे, ज्ञात हो कि पंग उषा मार्टिन द्वारा सीएसआर के तहत टाटीसिलवे राजकीयकृत मध्य विद्यालय का जीर्णोद्धार किया गया है।

पंग उषा मार्टिन ने वित्तीय वर्ष 2018-19 में सीएसआर के तहत कई आधारभूत संरचनाओं का निर्माण करवाया है, श्री शर्मा ने बताया कि यह संस्था सीएसआर के तहत ग्रामीण विकास का कार्य करती है, उसी के तहत कारखाने के समीपवर्ती विद्यालयों में बच्चों का निर्माण व समुचित पानी की व्यवस्था भी कर रही है, इसके तहत आगे भी कार्य जारी रहेंगे, इस अवसर पर पंग उषा मार्टिन के हेड मनीष ईश्वर ने कहा कि विद्यार्थियों की सुरक्षा के लिए सफाईकर्तारों को उधा किया गया है, शुद्ध



स्कूल की प्राचार्या को उषा मार्टिन के अधिकारियों ने सीपी चाबी

विद्यालय में किये गये कार्य

- भवन का जीर्णोद्धार व छत से पानी के रिसाव की रोकथाम
- शुद्ध एवं शीतल पेयजल की व्यवस्था
- शौचालय का जीर्णोद्धार व पानी की व्यवस्था
- 12 वेव एवं डेस्क की व्यवस्था
- भवन में लाइट एवं फखो का प्रदान
- सफाईकर्तारों का जीर्णोद्धार
- बच्चों के लिए खेलकूद के सामान
- कक्षाओं में ग्रीन बोर्ड की व्यवस्था

पेयजल की सुविधा, टॉयलेट निर्माण के अलावा बच्चों के लिए खेल के मैदान का समझौताकरण कराया गया है, अगले वित्तीय वर्ष में भी लॉट के अनुरूप आधारभूत संरचना का कार्य जारी रहेंगा, अधिकारियों ने भवन की चाबी प्राचार्या

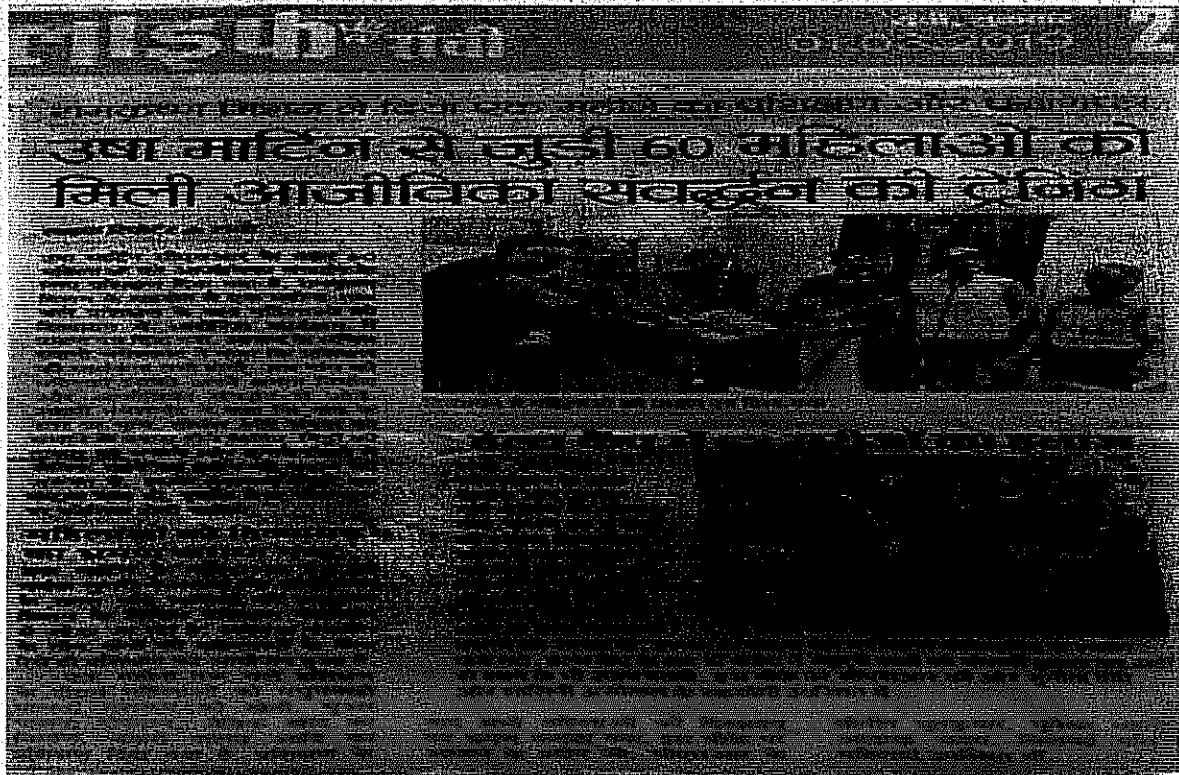
को सीपी इस अवसर पर विद्यालय की प्राचार्या रीता महतो ने कहा कि स्कूल में कर्मों, शुद्ध पेयजल, टॉयलेट का बहुत जरूरत थी, इस अवसर पर विद्युत सेन गुप्ता, सीएम दास, संजय मिश्रा, अरुण दास, एके ठाकुर आदि मौजूद थे।

Sun., 17 March 2019

प्रभात खबर <https://epaper.prabhatkhabar.com/c/37664418>



Page 04 Paper Cutting



CPP (2 X 10MW)
USHAMARTIN LTD.
TATISIL WAI, RANCHI
JHARKHAND. PIN-835103

**PRELIMINARY REPORT ON SOCIAL AUDIT
OF
USHA MARTIN LTD CSR INITIATIVES**

**Report Submitted to
USHA MARTIN LTD**

Report Prepared by



.....
Citizens Foundation, 7 Betar Kendra, Niwaranpur, Ranchi, Jharkhand 834002

Website: www.citizensfoundation.org, Email: mail@citizensfoundation.org

Ph. No: 0651-2481777/2482777

Acknowledgement

The social audit report on UML CSR initiatives would not have been possible without the support of different stakeholders of these projects who have contributed directly and indirectly during the audit process. We are grateful to USHA MARTIN LTD for giving us the opportunity to work on this report. We would like to thank Mr. Ganesh Reddy, CEO, Citizens Foundation for his immense support. We are also thankful to all support staff of Citizens Foundation for their kind support on crucial time.

We would like to thank Dr. Mayank Murari, DGM CSR and PR and other personnel of UML for their support. Without their support it would not have been possible for us to reach the external stakeholders.

All field and supporting staff of UML helped us to understand the implementation process during fieldwork and provided relevant data related to the different projects. We would like to thank all of them.

We also thank different project staffs, mason, member of women groups and different users groups for their valuable inputs. We would also extend a warm thanks to Mr. Shyarnal Herenz, Program Manager, CF who contributed magnanimously to this study with their comments and insights.

Contents

Acknowledgement	2
Chapter-1: Introduction	4-7
Chapter-2: Project description	8-14
Chapter-3: QCM and Recommendations	15-16

Chapter 1: Introduction

When Usha Martin Ltd. (“Usha Martin”) commenced business in 1962, the Founders vision was to be a global company and a world leader in manufacturing wire ropes. Amongst many challenges that lay in the pathway of achieving that vision, was awareness that it would not succeed as a global company and world leader by just being an island of prosperity in a sea of poverty and discontent outside its factory gates in Jharkhand.

For several years the Founders of Usha Martin searched for answers to achieve inclusive growth that eliminates discontent in a manner that could be sustained over generations and scalable across as wide a population that our capabilities would allow. It is a long-standing observation that India is essentially two countries – one fuelling the drive for urbanization in India’s burgeoning cities and another striving for development in the vast rural landscape of Bharat.

It is indeed a great divide, and one that has seemed to widen over the past four decades. Pursuing inclusive growth to bridge this gap was one of the reasons why the Founders of Usha Martin set up Krishi Gram Vikas Kendra (“KGVK”) as a registered society under the Societies Registration Act, 1860 in Jharkhand in 1977. For KGVK the Founders vision was that it would deliver the social development and economic growth commitment of Usha Martin to rural Jharkhand. To do so it was envisaged that KGVK perform its activities and to start with, in near and adjacent areas of Usha Martin’s plants and operations. However, to make a real and sustainable difference to rural Jharkhand, KGVK would perform activities across as many geographical areas as its resources and capabilities would allow. Accordingly, mobilizing the community and its available resources, we sought to find a way to ensure sustainable development in the region. In the intervening years, we have achieved some of the goals we had set for ourselves. And a lot remains to be done.

In the beginning Usha Martin’s corporate social responsibilities (“CSR”) had attributes of pure philanthropy, and contributed to other non-government organizations (“NGOs”) to implement various CSR projects. The results were a mixed success until the early 1990s when KGVK became more project-oriented engaging with various institutions to understand the felt needs of rural communities that would make a real measurable difference in their lives.

KGVK’s philosophy is market-based bottom-up approach of integrated interventions that are multi-disciplinary and integrated to effectively deliver the impact on poverty reduction strategies. KGVK’s model is conscious about abdication of personal financial gain and tends

to support social entrepreneurship among the communities by advocating effective use of resources and available capital which is in sharp contrast with the conventional charity approach. Decades of government-led and entitlement-based approach to charity towards the local communities of Jharkhand yielded poor results. Human Development Index (HDI), per capita income, per capita consumption and other socio-economic indicators for the local community was abysmally low. Secondary data from different official reports and websites provided enough material to preliminarily analyze the broader trends of socio-economic Conditions of local communities.

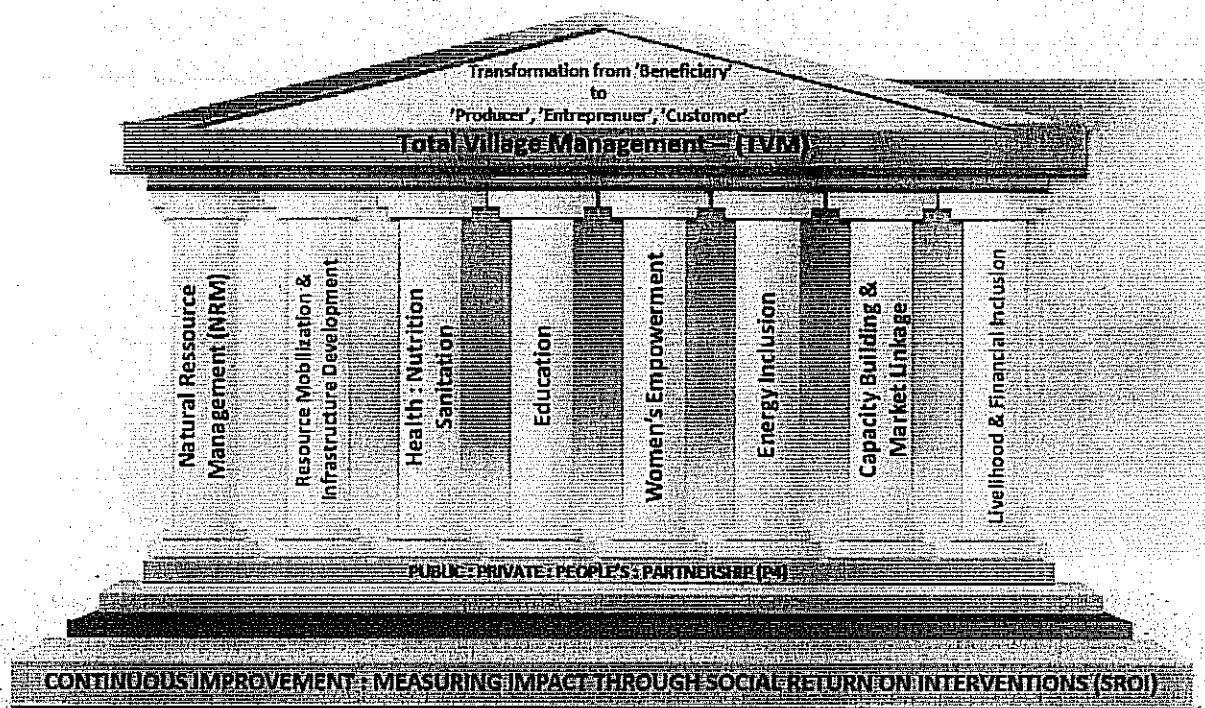
The needs were many and were basic in nature. While others take these for granted but the reality is that we cannot deliver on rural development unless we develop water infrastructure for drinking and agriculture; provide access to energy; stabilize the domestic environment by tending to the health needs of the mother and child and deliver education; empower women towards an earnings based vocation; build capacity through training and create market linkages to enable an opportunity to increase income.

KGVK drew relevance from its core expertise where multiple skills in diverse domains were brought together in a unifying methodology. In 2008, this culminated into the Founders of Usha Martin and KGVK developing an integrated approach through Total Village Management model ("TVM"). The TVM model is a distillation of the experience with the various disciplines of Total Quality Management which at its core requires looking at solutions systemically and holistically. Today and long before the CSR norms of the Companies Act 2013 were introduced, TVM is Usha Martin's CSR Philosophy and Policy executed on its behalf with the domain expertise developed in KGVK.

CSR MISSION & STRATEGY

To achieve inclusive growth in our areas of operations and neighbouring communities through integrated community and rural development that is sustainable, scalable and adaptable by transforming beneficiaries to become producers, entrepreneurs and customers. This is also the mission of TVM as executed by KGVK.

Pillars of Development



Our Approach: P4

- People
- Public
- Private
- Partnership

Objectives of Social Audit

1. Social Audit (SA) enables organizations to explore and generate their own values. SA provides a coherent and clear image of UML and helps this organization to plan and execute their CSR activities in a transparent and fair way.
2. It helps the organization to understand how each of the stakeholders of these projects has met the assigned responsibilities.
3. SA helps UML to assess the capabilities of the implementing agencies and accordingly, the organization can identify the plan its future CSR projects.
4. SA creates a new level of participative democracy focused on values and long term visions and in the process makes UML transparent to stakeholders and supporters.

Scope of Social Audit

The social audit is a transparent process and documentation conducted to measure and manages the social objectives of the company. It is geared to provide better governance systems for any

organization. The social audit is expected to deliver mechanisms by which ULM can identify inconsistencies between its aims and the final implementation. Using the audit report, UML can develop high levels of detailing in what they wish to measure and verify and which will be appropriate to the needs of the organization as well as other stakeholders. The audit will also aid UML to understand the current impact and limitations to impact. In addition, it will provide UML a multi-stakeholder perception of its programme and help in formulation of future CSR policies.

Methodology

Participative methods have been employed to engage stakeholders. The nature of the data is qualitative and quantitative. As it is a multi-stakeholder study, multiple research tools have been adopted. For the data collection multistage sampling technique has been adopted. In the first stage, data has been collected from UML through interview and focus group discussion. In the second stage stratified sampling technique has been adopted for data collection regarding implementation of activities. In the last stage, individual beneficiaries have been identified for interview and focus group discussion. For interviews, semi-structured questionnaire has been designed. The questions are based on the background, development, current conditions, and overall implementation of the project. Even the environmental interactions of one or more individuals, groups, communities involved in the projects have been studied.

Outlines of the chapters

This report consists of three chapters. First chapter gives an overall idea about the scope of social audit for CSR projects. The second chapters provide a proper social audit framework for projects respectively. Finally chapter three provides recommendations and suggestions separately with a notion of running projects for long term sustenance basis.

Chapter 2: Project Description

The project area of UML-CSR, Ranchi is operational in 29 villages in and around the Captive Power Plant and covering three Blocks of Ranchi District Namely Namkum, Angara and Kanke. Usha Martin Ltd. Company's CSR (Corporate Social Responsibility) is based on Total Village Management (TVM), which are multi-pronged activities interlinked with the values of ownership, transparency and improvement at every level. TVM's 8 pillars together hold up the idea of achieving integrated, equitable and sustainable development through public-private-peoples' partnerships or P4. The 8 pillars represent fields of work that are both separate and interlinked, converging into an integrated workable model. Although there are 29 operational villages but this activity is only carried out in 12 villages of 3 blocks. The details are underneath:

Sr. No	Block Name	Village Number	Panchayat	Village Name
1	Namkum	06	Tati	Tati East and Tati West
			Silwai	Silwa, Haratu
			Mahilong	Mahilong
			Arra	Arra
2	Kanke	03	Khatanga	Khatanga, Lalganj, Pertol
3	Angara	03	Chatra	Chatra
			Hesal	Hesal and Masu

			multiple increases in agricultural production. Adoptions of New Technology as well as practicing of high yielding variety of Seeds have been important features. Due to land & water activity initiation of Double Cropping practices started in programme villages due to increase in moisture content in the soil.
2	Health	<ul style="list-style-type: none"> • Health Camp -18 • Celebrate Breast feeding week through home visit of lactating mothers-02 • MTC referral, Hemoglobin Checkup-45 • Counseling of 3rd Grade children-Regular • Well Chlorination through bleaching powder. • Counseling of Pregnant lady, Lactating mothers and parents of Malnutrition child and other health issues on health issues during Home visit -48 • Health awareness session through School Health session -40 • VHSNC meeting-09 • Supportive Supervision on VHND session- 47 • Adolescent meeting on Anaemia, Sanitation and personal hygiene-37 • Referred around 16 severe malnutrition cases to MTC and also we have counseled parents of 65 no. 3rd grade malnourished children for enhancing nutrition. • Started Orientation of Adolescent girls especially on Anaemia & Life Cycle approach in all clusters. • Conducted School Health session in all Primary, Middle & High School on different water & vector borne diseases in all TVM villages. • Conducted Prabhat Pheri for awareness on Malaria & Dengue • Organizing Demonstration session for Hygiene & Sanitation. • Conducted Nukkad Natak on sanitation awareness (own toilet) 	<p>It has been found that health activities are not in dire need of a strategic vision. The long term vision is also helping the success of this programme which has tremendous potential for far-reaching impact but still a well planned project as such could result a wide scale on adolescent girls and women.</p> <p>The project has also initiated and facilitated successfully health services in many the programme villages. 100 % immunization in programme villages could be ensured. Level of institutional delivery increased to 90%. Trained Sahiyas are available for providing their services for the community. The project also created awareness about the need for safe -drinking water for controlling water borne diseases, the construction of low cost toilet through convergence also improved the sanitation status of the households in the programme area.</p>
3	Livelihoods	<ul style="list-style-type: none"> • Motor Pump distribution among farmers- 61 • 09 Poultry unit / Rs 4000-5000 additional income generation. • Fisheries done in 13 ponds/ benefitted 13 Groups. • Mushroom Cultivation going on / 13 SHG initiated • Piggery units (07) are running from which a additional income of Rs 5000-6000 is earned per month. • SHG group has been linked with Daya Sagar NGO for stitching, handicraft.. • Animal Health camp with Govt-11No. 	<p>One of the crucial elements of livelihood of people is possession of physical capital such as land, livestock, implements, irrigation facilities etc. These assets constitute the base for crop and animal husbandry which form the core of rural livelihoods. One of the main areas of project interventions has been to improve productivity of land by taking up various</p>

- Cattle Shed-46 No.
- Artificial insemination With 57 Cow/ Buffalo for better Breed.
- SHGs were trained for preparing Papad
- 60 Household trained for Lac Cultivation
- 43 farmers trained to cultivate Pea/ Onion
- 225 Family practices Kitchen Garden for nutritious Veg. and reuse of waste water

natural resources management activities like land levelling and field bunding as well as other land management and water conservation practices, improvement of irrigation facilities, advice and guidance on modern agricultural practices, distribution of seeds of improved and new crops, more attention to livestock health care etc. All these activities have been based on micro-watershed based village level micro planning. This is one of the core areas of the UML. The activities aimed to bring positive changes in the livelihood practices of local communities through promotion of groups. The livelihood opportunities / income generating activities were identified considering the existing socio-cultural practices of the target communities. The skill building measures were planned to improve the effectiveness of existing livelihood practices. The project did not impose any practice that is locally unviable. The behavioural and attitudinal changes brought in by the project among the women empowered them to actively participate in decision making processes at the community level. The socio-cultural changes brought in by the project, in terms of livelihood practices, have lasting impact on the target beneficiaries even beyond the project period. The activities significantly affected the lives of tribal in their income generation activities, livelihood security and self employability. It has strengthened the target tribal communities' income generation opportunities through tools and capacity

			<p>building support.</p> <p>Few economic activities that were initiated during program implementation are still sustaining (as a result of saving and thrift habits of villagers imparted through group activities). As a result of capacity building and exposure to various Govt. schemes, beneficiaries are also able to avail various govt. scheme at personal as well as village levels. However, there is further need of financial inflows to many households which may not able them to upscale and expand their livelihoods and food securities in an effective beyond project activities.</p>
4	Education	<ul style="list-style-type: none"> • 06 Adult Education centers are running successfully in 05 villages in which 120 women are being benefitted. Last year 19 batches were organized in which 297 women have learnt to Read & write and they are putting their signature in their bank accounts. • 4 Remedial class (Computer) are running in 4 Govt. school in 4 villages through which 210 weak students are being addressed. • 10 Remedial Resource Center are running in 10 villages where around 155 students are being benefitted. • Two batches of Computer education and English speaking course comprising of 44 youth have been completed in Chatra & Khatnga. • Last year two batches of Computer education and English speaking course comprising of 31 youth have been completed in Ara & Mahilong. • Village Education Committee meeting is being attended by CSR team in all villages. <p style="text-align: center;"> CPP (2 X 10MW) USHAMARTIN LTD. TATISIL WAI, RANCHI JHARKHAND. PIN-835103 </p>	<p>Arguably, the visible and not-so-visible constraints on the availability of—free education disproportionately affect the students from lower socio-economic backgrounds and disadvantaged classes such as daily wage-earners, SC, ST, students. To overcome these disadvantageous conditions, students from these backgrounds need special care and attention. Well-calibrated learning procedures and the requisite sensitivity on the part of the teachers can largely mitigate the adverse impact of class distinction and disadvantageous conditions on the learning of the children. To provide equal opportunities for learning despite class differences remains the foremost challenge of the day. The role played by VEC with the support of CSR initiatives is to identify social relations between the teacher and the students, the teachers' perception of the taught, the degree of priority, attention, delivery, accountability of the teachers and work environment. Then</p>

			efforts have been able to bring sustainable change not only in regular students but also on adults through adult education centers. The schools were chosen by UML in areas where they had their centers so that the monitoring of the programme would be easier and the local environment in which UML existed would profit from the initiative.
5	Renewal Energy	<ul style="list-style-type: none"> • Distributed Transparent Sheet for 120 Household • Smokeless Chulha- 20 Household • Solar Micro Grid Installed--02HH 	This activity is in appalling need of a strategic vision around which it can develop into a wholesome programme with far-reaching impact. The lack on a long term vision is also hampering the success of this programme which has tremendous potential for far-reaching impact. A well planned project can be implemented so that more beneficiaries could avail the benefits.
6	Training and Capacity Building	Training of farmers on local pest management/ organic manure/ SRI technique/ govt. schemes/ improved cropping practices/ Farm training/ sanitation awareness session etc.	The importance of training and continuous capacity building programme has been identified for improving the quality of life as vital for success of the project. Such rigorous training programmes were a challenge for those who were not used to this kind of pedagogy. This has exposed socially excluded groups, and members of various user groups. Previously, decisions were taken at the top and they were supposed to percolate down to the grassroots. But this educational process enabled the people to become active agents of change and not the beneficiaries of change. The subject-object dichotomy disappeared by the time of the issue-based action. This has changed the whole attitude and outlook of the people particularly the socially excluded groups and the women.