ANNEXURE I

CTE CERTIFICATE



HARYANA STATE POLLUTION CONTROL BOARD Faridabad Sec.-16-A, Opp. Hewo Apartment, Faridabad Ph. 0129-2225315(O)



Website: www.hspcb.gov.in E-Mail - hspcb.pkl@sifymail.com Telephone No.: 0172-2577870-73

No. HSPCB/Consent/: 329962319FDBDCTE7046301

Dated:11/12/2019

To.

M/s : Jotindra Steel and Tubes Ltd. 14/3 Mathura Road, Sector 45, Faridabad. 121003 FARIDABAD 121003

Sub. : Grant of consent to Establish to M/s Jotindra Steel and Tubes Ltd.

Please refer to your application no. 7046301 received on dated 2019-12-03 in regional office Faridabad.

With reference to your above application for consent to establish,M/s Jotindra Steel and Tubes Ltd. is here by granted consent as per following specification/Terms and conditions.

E.T.				
Consent Under	AIR/WATER			
Period of consent	11/12/2019 - 29/08/2026			
Industry Type	Building and construction project having waste water generation more than 100 KLD			
Category	RED			
Investment(In Lakh)	27500.0			
Total Land Area (Sq. meter)	24608.89			
Total Builtup Area (Sq. meter)	113424.61			
Quantity of effluent				
1. Trade	0.0 KL/Day			
2. Domestic	339.0 KL/Day			
Number of outlets	1.0			
Mode of discharge				
1. Domestic	Recycling/Reuse			
2. Trade	0			
Permissible Domestic E	ffluent Parameters			
1. BOD	30 mg/l			
2. COD	250 mg/l			
3. TSS	100 mg/l			
4. pH	5.5-9.0			
5. Oil & Grease	10 mg/l			
Permissible Trade Efflu	ent Parameters			

1. NA	mg/l
Number of stacks	1
Height of stack	
1. Attached to D.G.Sets above roof level	3 meter
Permissible Emission pa	arameters
1. NA	
Capacity of boiler	
1. N.A.	Ton/hr
Type of Furnace	
1. N.A.	
Type of Fuel	
1. Diesel	1.25 KL/day

Regional Officer, Faridabad

Haryana State Pollution Control Board.

	Terms and conditions
1.	The industry has declared that the quantity of effluent shall be 339 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 339 KL/Day for Domestic and the same should not exceed.
2.	The above 'Consent to Establish' is valid for 60 months from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
3.	The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable
4.	That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
5.	The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act,1981 as amended to-date-even before starting trial production
6.	The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.
7.	No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience
8.	The Electricity Department will give only temporary connection and permanent connection to the unit will be given after verifying the consent granted by the Board, both under Water Act and Air Act.
9.	Unit will raise the stack height of DG Set/Boiler as per Board's norms.
10.	Unit will maintain proper logbook of Water meter/sub meter before/after commissioning.

- 11. That in the case of an industry or any other process the activity is located in an area approved and that in case the activity is sited in an residential or institutional or commercial or agricultural area, the necessary permission for siting such industry and process in an residential or institutional or commercial or agricultural area or controlled area under Town and Country Planning laws CLU or Municipal laws has to be obtained from the competent Authority in law permitting this deviation and be submitted in original with the request for consent to operate.
- 12. That there is no discharge directly or indirectly from the unit or the process into any interstate river or Yamuna River or River Ghaggar.
- 13. That the industry or the unit concerned is not sited within any prohibited distances according to the Environmental Laws and Rules, Notification, Orders and Policies of Central Pollution control Board and Haryana State Pollution Control Board.
- 14. That of the unit is discharging its sewage or trade effluent into the public sewer meant to receive trade effluent from industries etc. then the permission of the Competent Authority owing and operating such public sewer giving permission letter to his unit shall be submitted at time of consent to operate.
- 15. That if at any time, there is adverse report from any adjoining neighbor or any other aggrieved party or Municipal Committee or Zila Parishad or any other public body against the unit's pollution; the Consent to Establish so granted shall be revoked.
- 16. That all the financial dues required under the rules and policies of the Board have been deposited in full by the unit for this Consent to Establish.
- 17. In case of change of name from previous Consent to Establish granted, fresh Consent to Establish fee shall be levied.
- 18. Industry should adopt water conservation measures to ensure minimum consumption of water in their Process. Ground water based proposals of new industries should get clearance from Central Ground Water Authority for scientific development of previous resource.
- 19. That the unit will take all other clearances from concerned agencies, whenever required.
- 20. That the unit will not change its process without the prior permission of the Board.
- 21. That the Consent to Establish so granted will be invalid, if the unit falls in Aravali Area or non conforming area.
- 22. That the unit will comply with the Hazardous Waste Management Rules and will also make the non-leachate pit for storage of Hazardous waste and will undertake not to dispose off the same except for pit in their own premises or with the authorized disposal authority.
- 23. That the unit will submit an undertaking that it will comply with all the specific and general conditions as imposed in the above Consent to Establish within 30 days failing which Consent to Establish will be revoked.
- 24. That unit will obtain EIA from MoEF, if required at any stage.
- 25. In case of unit does not comply with the above conditions within the stipulated period, Consent to Establish will be revoked.
- 26. That unit will obtain consent to operate from the board before the start of product activity.

Specific Conditions

Other Conditions :

1. Unit will take Consent to Operate before starting the occupation/ operation of the project. 2. The unit will install the project only on the plot for which unit has obtained EIA clearance / EC / DTP License.

3. The unit will install adequate acoustic enclosures/ chambers on their D.G. sets with proper stack height as per prescribed norms to meet the prescribed standards under EP Rules, 1986. 4. Unit will comply the conditions mentioned in the letter dated 25-10-2019 of CPCB regarding mechanism for Environmental management in compliance of Hon'ble NGT order dated 23-08-2019 in the matter of O.A. No. 1038/2018 like the green belt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc. should be provided . 5. The reuse /recycle of treated wastewater should be utilized in horticulture, floor washing , cooling towers .

6. A detailed water harvesting plan may be submitted by the project proponent before consent to operate.

7. The project proponent will submit Monitoring of compliance of EC conditions with third party audit every year .

8. The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.

9. During construction phase unit will comply with the guidelines issued by MoEF as well as the Direction issued by NGT in Original Application No. 21 of 2014 titled as Vardhman Kaushik V/s Union of India & Ors as well as will comply with the guidelines issued under C & D waste Management Rules, 2018.



ANNEXURE II

STRUCTURAL STABILITY CERTIFICATE



An ISO-9001-2008 Company Regd. No. U74200 DL2008PLCI84617

table etc. have been kept in view while designing the same.

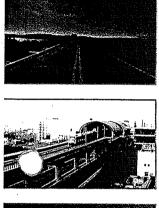
Structural Stability Certificate

relevant Bureau of Indian Standard Codes (with latest amendments) including Bureau of

hazards. The local soil conditions, its load bearing capacity and the underground water

Indian Standard Codes for structures resistant to earthquakes and other natural

It is hereby certified that the plans submitted for the Residential building, Affordable Group Housing, measuring 6.081 Acres, falling in Sector – 45, Faridabad, Haryana. Belonging to M/s. Jotindra Steel & Tubes Limited. are in accordance with the Haryana Building Code – 2016 and the approved zoning plan of the plot. The structure has been designed in accordance with the provisions of the National Building Code and the





Dated











LKT Engineering Consultants Limited 63/12A, IInd Floor, Main Rama Road, Opp. Kirti Ngr. Metro Stn., New Delhi- 110015, India Tel: +91 11 45565818, Fax: +91 11 45585814, www.lktengineering.com



Registered Office: 10/49, Subhash nagar, New Delhi-110027, India

Signature of Structural Engineer

LOKESH KUMAR TYAGI M. Tech (Structures) A-517051/7 75, Rajouri Apartment, Rajouri Garden, New Delhi-27

CLEAR COURSE In CLEAR CONCERTS TO THE MAIN REMARKAGE AND BALL MEMORY REAL PROPERTIES OF CONCERTS TO THE MAIN REMARKAGE AND REAL MARKAGE AND	B. DESIGN MIX; 20. DESIGN MIX OF FOLLOWING CONCRETE GRADES SHALL BE FOLLOWED : BEAMS M-25 COLUMNS M-25 FOOTING M-25 SLAB M-25 STAIR CASE M-25 LINTEL M-25 STP UG TANK M-25 STP UG TANK M-25 KET AINING WALL M-25	 CONSTRUCTION JORIT SHALL BE PROVIDED AS DIRECTED BY ENGINEER, IN-CHARGE. DETAILING OF REINF SHALL BE FOLLOWED AS PER TYPICAL DETAILED DRAWINGS AND SP34. ALL RCC WORK SHALL CONFORM TO SPECIFICATIONS AS L'ADDOWN IN LSA4502000 AND S.P. 34(LATEST REVISION) UNLESS OFHERWISE SPECIFIED. S. 43 ORADE CEMENT SHALL BE USED WITH WIC RATIO 0.45. CONCRETING IN PANELS SHALL BE DONE CONTINUOUSLY HOWEVER AT THE CONSTRUCTION JOINTS THE INTERVAL SHALL NOT EXCEED 12HRS, CONSTRUCTION JOINTS COME ALONG FULL, WIDTH AT 1/3 SPAN. THE DESIGN MIX SHALL BE GOT APPROVED FROM THE "ENGINEER.IN-CHARGE". IN CASE CONCRETE MIX IN BEAM IS RICHER THAN SLABS. THE SLABS ADJACENT TO BEAMS SHALL ALSO BE CAST IN THE RICHER MIX UPTO A DISTANCE OF 0.21 FROM THE FACE OF BEAM, WHERE L IS THE SPAN OF SLAB. 	 (a) (DOTTED) INDICATES FOP REINFORCEMENT. (b) (CONTINUOUS) INDICATES BOTTOM REINF. 6. FIXING AND BENDING OF REINFORCEMENT (REINF) SHAEL BE AS PER IS2302. 7. ANV EXTRA EXCAVATION BELOW FOUNDATION SHALL BE FILLED UP WITH MASS CONCRETE (1:48) NOMINAL MIX. 8. PROVIDE CHAIRS WHERE NECESSARY TO SUPPORT TOP REINF. 9. EXPANSION JOINT SHALL BE AS PER SPECIFICATIONS 10. BACK FILLING OF EXCAVATED SOIL BEHIND-R.C.C. WALL SHALL BE ONLY AFTER CASTENG OF UCT ROOF WHERE VER OCCUR. 11. NOT MORE THAN 50% OF BARS, SHALL BE LAPPED AT ANY SECTION. NOT MORE THAN ONE LAP SHALL BE CARRIED IN A MEMBERFOR THE SAME BAR. LAPPING SHALL BE CARRIED OF DATS SHALL BE CARRIED OF BARS SHALL BE CARRIED. 0.01T AS PER DIRECTION OF ENCIFICATIONS SHALL BE CARRED. CONT AS PER DIRECTION OF ENCIFICER. CHARGE LAPPENG OF BARS SHALL BE A VQIDED AS FAR AS POSSIBLE IN BEAM /SLAB. (a) AT MID SPAN OF BOTFOM BAR AND AT SUPPORT OF TOP BARS. 	 A. STRUCTURAL METHODOLOGY: 1. The Building has Two Basements having total height of basement is 9,00 M. 2. The Proposed Structure is considered to be of Retaining walls in basement, Raft Structures & R.C.C. frame according to NBC norms. 3. Concrete grade is M30 & M2S as per norms & NBC paramaters. 4. Structure Design of Entire Building blocks is as per IS code & Earthquack resistance as per IS 13920-2002. & Structural design & detailing of as per IS 13920-1993. 5. INDICATES HICH STRENGTH TMT (THERMO MECHANICALLY TREATED) BAS CONFORMING TO IS: 1786-1985 (REAFFIRMED), Fe 500 NEWTON/MAY 2 PREFERABLY Fe 500 P(DUCTILE) SHALL BE USED.
TO DRAIN OFF FER PIPE: SORE PLACED VIT RULES WITH LEAN VIT WALLS, WITH UN WALS, WITH UN WALLS, WITH UN WALLS, W	USED FOK MASSURY, SHALL BE CONFORM WITH THE REQUIREMENT OF I.3 436 THE MINIMUM CRUSHING STRENGTH OF BLOCK SHALL BE AS PER SPECIFICATIONS / LOCALLY ABAILABLE 25. BLOCK UNITS SHALL BE ON A FULL MORTAR BED WITH FROG IF ANY, UPPER MOST, SO THAT CROSS JOINTS ARE COMPLETELY FILLED WITH MORTAR. BLOCK UNITS WHICH ARE REMOVED AFTER INITIAL PLACEMENT SHALL BE RELAID IN FRESH MOETAR OLD OR DISTURBED MORTAR SHALL BE DISCARDED.	E. DESIGN SAFE BEARING CAPACITY OF SOIL: 22. THE NET SBC CAPACITY AT 2MTR FROM N.G.L. 18.2 TON IN CASE OF DOUBT REGARDING SOIL BEARING CAPACITY, DURING EXCAVATION, THE MATTER SHALL BE REPORTED TO THE CONSULTANTS. SHALL BE REPORTED TO THE CONSULTANTS. F. BLOCK WORK SPECIFICATION: 23. ALL BLOCK WORK SHALL BE AS PER SPECIFICATIONS. 24. 26. BLOCK MASONRY WALL SHALL CONRISTS OF SQUARE UNITS BUILT TO HORIZONTAL COARSES WITH BROKEN VERTICAL JOINTS IN ACCORDANCE WITH LS4326, THE MORTAR USED FOR MASONRY SHALL BE CONFORM WITH THE MORTAR	<u>D. LAP LENGTH:</u> (I)-ALL LAPS ARE TYPICAL TENSION SPLICES UNLESS NOTED AS COMPRESSION ("/>~ ") ON PLANS OR DETAILS. TABLE NO. 1 Development Length for Fe-560 (Ld) = LAP LENGTH (D) = DIA OF BAR} <u>S.No. M40 M35 M30 M25 M20</u> <u>1. 36D 40D 46D 49D 57D</u>	<u>C. CLEAR COVER:</u> 21. CLEAR CONCRETE COVER TO THE MAIN REINFORCEMENT SHALL BE PROVIDED AS UNDER:- BEAMS 30 MM COLUMNIS 40 MM FOOTING 50 MM SLAB 25 MM SLAB 25 MM LINTELS 25 MM RAFT BOTTOM 75 MM
	URING 6.081 TUBES LTD	 FROM (WOLD AT UKAL GROUND-LEVEL HOWEVER IN CASE OF VARVING GROUND PROFILE (SLOPING) TE BEAM SHALL HORIZETALLY AT DIFFERENT LEVEL SHALL BE PROVIDED TO AVOID DIFFERENTIAL SEFTLEMENT OF FOOFINGS. 37.STUB COLUMNS 230 X 230 SIZE WITH REINFORCEMENT OF 4Nos-16 DIA AND RING 81@ 200-dc SIALL BE PROVIDED BETWEEN THE BLOCK WALL IF LENGTH OF BRICK WALL EXCEED 3.5M. 38. CONDUT OR PIPE SIZE (OD) SHALL NOT EXCEED 30 PERCENT OF SLAB THICKNESS. AND SHALL BE PLACED BETWEEN THE BLOCK WALL IF LENGTH OF BRICK WALL SPECIFICALLY DETAILED OTHERWISE. CONCENTRATIONS OF DETAILED OPENINGS ARE PROVIDED 39.PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS ANY DO NOT CHT IN CONCRETE BEFORE PLACING. REINFORCING WHICH MAY CONFLICT. CORMG IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTEST THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOTESHOWN ON THE DRAWINGS. 		 26. THE CROSS JOINTS IN ANY COARSE OF ONE BLOCK THICK MASONRY WALL SHALL NOT BE LESS, THAN, ONE FOURTH OF A MASONRY UNIT IN HORIZONTAL MEASUREMENT FROM THE CROSS.JOINTS.IN THE COARSE BELOW. IN BLOCK WALLS, MORE- THAN, ONE BLOCK, IN THICKNESS, BONDING, THROUGH THE THICKNESS OF WALL SHALL BE PROVIDED-BY EITHER HEADER UNITS OR BY OTHER EQUIVALENT MEANS, CONFORMING TO THE REQUIREMENT OF IS 4326. 27. ALL MASONRY SHALL BE BUILT UP TRUE TO LINE & PLUME WITHIN THE TOLERANCE LIMIT AS SPECIFIED IN C.P. W.D. SPECIFICATION P-12009 OR IN RELEVANT IS. CODE 28. AF THE INTERSECTIONS OF LOAD BEARING WALLS, WITH OTHER WALLS, THE COARSES SHALL BE LAID IN TRUE BOND WITH AT LEAST 50% OF THE UNITS AF THE INTERSECTIONS. 29.NO. OF STEIRRUPS SHOWN IN COLUMN DETALLS SHALL BE PROVIDED AT SINCLE PLACE @SPACENG SHOWN IN TXP. COUMN DETAIL.

ANNEXURE III

FOREST NOC

	हरियाणा सरकार / Government of Haryana	
	त्ता के विषय में स्पष्टीकरण पत्र। ding applicability of forest laws on non forest land.	
गम Jame	धीरज अरोरा Dheeraj Arora	
नंगठन का नाम Drganisation Name	Jotindra Steel And Tubes Limited	
ार्तमान पता Current Address	14/3 Mathura Road Sector 45 Faridabad,,	
नूमि स्थान .and Location	MEVLA MAHARAJPUR,Faridabad,Mewla Maharajpur	
भूमि मापन Land Measurements	6.0812 (Acre)	
आयत नम्बर / मुरबा नम्बर Rectangle No./ Murba No.	25,30	
Reference No. (SRN):- G जारी करने की तिथि / Date c जारी करने का स्थान / Place जारी करने वाला प्राधिकरण / I	f Issuance: 29-05-2019	

AT THE ADDA	प्रभागीय वन अधिकारी द्वारा स्पष्टीकरण पत्र Clarification letter by Concerned Divisional Forest Office हरियाणा सरकार / Government of Haryana	
	न उपयुक्तता के विषय में स्पष्टीकरण पत्र। regarding applicability of forest laws on non forest land	ł.
किला नम्बर Killa Number	25//22/1,20/1,20/3,21/2,21/1,1/2/1,10/2,19/2/2,11/1,30//1,2	/1
प्रयोजन Purpose	Affordable Group Housing Society	
जारी करने की तिथि / D जारी करने का स्थान / P	ate of Issuance: 29-05-2019 lace of Issuance: Faridabad	

https://164.100.137.243/eservices/mobileapi/verify/clarification/G7BP5UD08K

AT THE HORY	प्रभागीय वन अधिका	री द्वारा स्पष्टीकरण पत्र	n territoria de la composición de la co La composición de la c
		on letter by	A STATE
		onal Forest Officer	
Adara, alanti		ernment of Haryana	DI OF HART
		crimene or naryana	
Clarification letter rega Applicant <u>Dheeraj Ar</u>	कता के विषय में स्पष्टीकरण पत्र। rding applicability of forest laws on nor <u>'Ora</u> located at village /city e this land for	MEVIIA	AHARAJPUR
Induc a proposorios us		TTI & BUNGO & CROWN MISCHOURS 000	1997
	able above said land is not part of notifi d under section 4 of Punjab Land Prese		inder Indian Forest Act,
Faridabadis n	by the Notification No. S.O.8/P.A 2/19 otified u/s 4 of PLPA 1900 and S.O.81/ t in the Government record but felling r,Faridabad	PA.2/1900/S.3/2012 u/s 3 of PLPA 190	0. The area is however
Conservation Act 198 approach road is st	uired from Protected Forest by the 0 will be required. Without prior clea rictly prohibited. <u>M/s Jotindra Ste</u> at village/city, <u>MEVLA MAHARAJP</u> U ct 1980.	rance from Forest Department, the el And Tubes Limited	use of Forest land for
	available with the Forest Department, d by the Forest Department under Arav		not fall in areas where
of Environment and Fo	learances mandated under the Enviror prests, Government of India, dated 07-0 ents from the concerned authorities.		
f) The project propone	nt will not violate any Judicial Order/ di	rection issued by the Hon'ble Supreme	Court/ High Courts.
	ne Hon'ble Supreme Court has issued 8 etc. pertaining to Aravalli region in Ha		
	onsiblity of user agency/ applicant to g , from the respective authorities/ Depa		under various Acts and
and notification date	ot applicable in case of Environment D ed 11.05.2016 for Stone Crusher. In Screening Plant and Stone Crusher .		
It is subject to the follo	owing conditions:		
Reserve For And Aravlli I And The Use	in The Proposal Is Neither A Protect est,not Covered Under Section 4&5 Plantation.hence This Office Have N or Agency Will Not Cut The Standing	Of Plpa 1900 o Objection g Trees	(5) 6 4 2 5 (5)
Without Peri General Sec	mission Of Dfo As The Area Is Notif tion 4	θu Unαer	
Date:			woch Duwio
Place: 29-05-2019 Faridabad		ÂQ)	ASIGNBEP Birest Officer)
Faridabad	ed Certificate and does not require	physical signature. The authenticit	by of this certificate ca

https://164.100.137.243/eservices/mobileapi/verify/clarification/G7BP5UD08K

ANNEXURE IV

TREATED & FRESH WATER ASSURANCES

Office of the Executive Engineer, HSVP Division No.2, Faridabad HSVP Office Complex, Sector-12, Faridabad Tel. + Fax: 0129- 2282183 E-mail:xenhuda2.fbd@gmail.com

M/s. Jotindra Steel & Tubes Limited 14/3, Mathura Road, Sector-45, Faridabad

Memo. No. 4(9)

Dated:- 5-A-1l

To apply for assurance for provide STP treated water 100 KLD for construction purpose for developing a Affordable Group Housing Project located at Village Mewla Maharajpur, Sector-45, Faridabad, Haryana by Jotindra Steel and Tubes Limited.

Ref:-

Sub:-

Your office letter dated 29.04.2019 on the subject cited above.

It is intimated that HSVP will be take 450 KLD of treated water of your subject cited Group Housing Project located at Village Mewla Maharajpur, Sector-45, Faridabad.

This is for your information and necessary action please.

(Par umar) Executive Engineer **HSVP** Division No.2 Faridabad

То

Office of the Executive Engineer, HSVP Division No.2, Faridabad HSVP Office Complex, Sector-12, Faridabad Tel. + Fax: 0129- 2282183 E-mail:xenhuda2.fbd@gmail.com

M/s. Jotindra Steel & Tubes Limited 14/3, Mathura Road, Sector-45, Faridabad

Memo. No. M R

Dated: $5 \rightarrow -19$

To apply for assurance of water supply 450 KLD domestic purpose for developing a Affordable Group Housing Project located at Village Mewla Maharajpur, Sector-45, Faridabad, Haryana by Jotindra Steel and Tubes Limited.

Ref:-

Sub:-

To

Your office letter dated 29.04.2019 on the subject cited above.

It is intimated that HSVP will be supply 450 KLD water of your subject cited Group Housing Project located at Village Mewla Maharajpur, Sector-45, Faridabad.

This is for your information and necessary action please.

(Parveen Kumar) Executive Engineer HSVP Division No.2 Faridabad

ANNEXURE V

AKNOWLEGDEMENT FOR POWER ASSURANCE

NDRA STEEL & TUBES LIN



Regd. Office & Works : 14/3, Mathura Road, Sector-45, Faridabad-121003 (Haryana) India. Phone: +91-129-2477888 E-mail: jotindra@jotindra.com CIN: L27104HR1970PLC005240

To,

Dated: 03-05-2019

Executive Engineer (OP) City Division, DHBVN, Faridabad, Haryana

Subject: To apply for assurance of ultimate power load for setting up of Affordable Group Housing located at Village Mewla Maharajpur, Sector-45, Faridabad, Haryana.

References:

- 1) Plot area of the Project: 6.081 Acres (24,609.90 Sqm)
- 2) License no. 52 of 2019 dated 07.03.2019
- 3) BR- III (Memo No: 10365 Dated: 24.04.19)

Dear Sir.

This is in regard of the subject and references that we will be developing a Affordable Group Housing located at Village Mewla Maharajpur, Sector-45, Faridabad, Haryana. Therefore,

there will be a requirement of 6,094 kW of power in the project.

You are requested to kindly provide the assurance for the same.



Director

M/s Jotindra Steel and Tubes Limited

Enclosed: As stated above



ANNEXURE VI

PERMISSION OF SEWER LINE CONNNECTION

Office of the Executive Engineer, HSVP Division No.2, Faridabad HSVP Office Complex, Sector-12, Faridabad Tel. + Fax: 0129- 2282183 E-mail:xenhuda2.fbd@gmail.com

M/s. Jotindra Steel & Tubes Limited 14/3, Mathura Road, Sector-45, Faridabad

Memo. No. 4128

Dated:- 5-7-18

To apply for permission of sewage connection and disposal of surplus treated into HSVP Sewer line for Affordable Group Housing Project located at Village Mewla Maharajpur, Sector-45, Faridabad, Haryana by Jotindra Steel and Tubes Limited.

Rcf:-

Sub:-

То

Your office letter dated 29.04.2019 on the subject cited above.

It is intimated that HSVP Sewer line will take the discharge of 210 KLD of your subject cited Group Housing Project located at Village Mewla Maharajpur, Sector-45, Faridabad.

This is for your information and necessary action please.

Kumar) (Parkeen Executive Engineer HSVP Division No.2

Faridabad

ANNEXURE VII

MONITORING REPORTS



TEST REPORT

Description of Sample: -Noise(At the Boundary of the Project Site) N.O.W.:- AffordableGroup Housing Colony **Collection From: -**Revenue Estate of Village MewlaMaharajpur, Sector-45, Faridabad, Haryana **Issued to: -**

M/s Jotindra Steels and Tubes Limited

Report No.: -CAL/N/355(02)/2019 Date of Report: -21/12/2019 Date of Analysis: - 17/12-21/12/2019 Date of Collection: -17/12/2019

Sr.No.	Parameters	Units	Test Value		t (as per CPC nit in dB (A)]	B Guidelines
			1			
1	Lday	dB(A)	53.61	Category of	Day Time	Night Time
	(6.0 am to 10.0 pm)	10 MA		Area/Zone	8	
	(mere ere ere relevent			Industrial Area	75	70
2	Lnight	dB(A)	43.21	Commercial	65	55
	(10.0 pm to 6.0 am)			Area		
				Residential	55	45
				Area	ι.	-
				Silence Zone	50	40
3	Leq	dB(A)	48.54			
4	L ₁₀	dB(A)	49.14			j.
5	L ₅₀	dB(A)	53.65			
6	L ₉₀	dB(A)	49.47			
7	Lmax	dB(A)	57.69			
8	Lmin	dB(A)	38.59			



- 1. The result listed refer only to the tested samples and applicable endorsement of product is neither infered not implied.
- 2. Total liabity of our Lab. is limited to the invoiced amount.
- 3. Samples will be destroyed after ten days from the date of issue of test report.
- 4. This report is not to reproduce wholly or in part and can not be used as an evidence in the court of law and should not be used in any adverting media without or special permission in writting.



TEST REPORT

Description of Sample: -Noise(Within Project Site) N.O.W.:- AffordableGroup Housing Colony Collection From: -Revenue Estate of Village MewlaMaharajpur, Sector-45, Faridabad, Haryana Issued to: -

M/s Jotindra Steels and Tubes Limited

Report No.: -CAL/N/355(03)/2019 **Date of Report:** - 21/12/2019 **Date of Analysis:** - 17/12-21/12/2019 **Date of Collection:** -17/12/2019

Sr.No.	Parameters	Units	Test Value	Requirement Lin	t (as per CPC nit in dB (A)	Leq
1 -	Lday (6.0 am to 10.0 pm)	dB(A)	55.12	Category of Area/Zone	Day Time	Night Time
	(0.0 am to 10.0 pm)			Industrial Area	75	70
2	Lnight	dB(A)	43.08	Commercial	65	55
	(10.0 pm to 6.0 am)	2		Area Residential Area	55	45
	r	6. 		Silence Zone	50	40
3	Leq	dB(A)	48.99			
4	L ₁₀	dB(A)	50.62			-1 -1
5	L ₅₀	dB(A)	52.96			
6	L ₉₀	dB(A)	50.28			
7	Lmax	dB(A)	58.95			
8	Lmin	dB(A)	37.78			



- 1. The result listed refer only to the tested samples and applicable endorsement of product is neither infered not implied.
- 2. Total liabity of our Lab. is limited to the invoiced amount.
- 3. Samples will be destroyed after ten days from the date of issue of test report.
- 4. This report is not to reproduce wholly or in part and can not be used as an evidence in the court of law and should not be used in any adverting media without or special permission in writting.



TEST REPORT

Description of Sample: - Ambient Air N.O.W.:- AffordableGroup Housing Colony **Collection From: -**Revenue Estate of Village MewlaMaharajpur, Sector-45, Faridabad, Haryana **Issued to: -**

M/s Jotindra Steels and Tubes Limited

Report No.: -CAL/A/355(04)/2019 Date of Report: - 21/12/2019 **Date of Analysis: -** 17/12-21/12/2019 **Date of Collection: -**17/12/2019

Sr.No.	Parameters	Units	Test Value	Limits as per Environment (Protection) Act.	Method of Reference
1	Particular Matter(PM ₁₀)	µg/m ³	141.29	100	IS 5182:(Part-23)
2	Particular Matter(PM _{2.5})	µg/m ³	132.85	60	CPCB Volume-1
3	Sulpher Dioxide	PPM	23.94	80	IS 5182:(Part-2)
4	Nitrogen Dioxide	PPM	28.01	80	IS 5182:(Part-4)
5	Carbon Monoxide	PPM	0.58	4	IS 5182:(Part-10)
6	Lead (as Pb)	PPM	0.059	1	IS 5182:(Part-22)
7	Ozone (as O_3)	PPM	57.98	180	IS 5182:(Part-9)
8	Benzene (as C_6H_4)	PPM	0.55	5	IS 5182:(Part-11)
9	Benzo (a) Pyrien	PPM	N.D.	1	IS 5182:(Part-11)
10	Ammonia (as NH ₃)	PPM	<50.0	400	APHA-AIR-402
11	Nickel (as Ni)	PPM	N.D.	20	APHA-AIR-420
12	Arsenic (as As)	PPM	N.D.	6	APHA-AIR-302

Remark:-with respect to the above test sample does not complies with specification.

N.D.:- Not Detected



- 1. The result listed refer only to the tested samples and applicable endorsement of product is neither infered not implied.
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TEST REPORT

Description of Sample: - Treated Water for Construction N.O.W .:- AffordableGroup Housing Colony Collection From: - Revenue Estate of Village MewlaMaharajpur, Sector-45, Faridabad, Haryana Issued to: -

M/s Jotindra Steels and Tubes Limited

Report No.: -CAL/W/355(05)/2019 Date of Report: - 21/12/2019 Date of Analysis: - 17/12-21/12/2019 Date of Collection: -17/12/2019

Sr.No.	Parameters	Test Value	Max Permissible Limit as per IS: 456-2000	Method of Test
1	Requirement of 0.02 N- NaOH to neutralize 100ml. of water sample using phenolphthalein indicator	4.8	(Clause 5.4) 5.0 ml	IS-3025 (P22) -1986
2	Requirement of 0.02 N- H2SO4 to neutralize 100ml of water sample using mixed indicator	22.9	25.0 ml	IS-3025(P-23)-1986
3	Organics, mg/l.	88		
4	Inorganic, mg/l.		200	IS-3025(P-18)-1984
5	Sulphate as SO ₃ , mg/1	394	3000	IS-3025(P-16)-1984
	Chloride as Cl, mg/l	171	400	IS-3025(P-24)-1984
_		393	500 mg/l for RCC & 2000 mg/l for concrete Without embedded steel	IS-3025(P-32)-1988
	pH	7.3	Not less than 6.0	10 202 5 (2)
8	Suspended matter, mg/l	81	2000	IS-3025(P-11)-1983
			2000	IS-3025(P-17)-1984



- The result listed refer only to the tested samples and applicable endorsement of product is 1. neither infered not implied.
- Total liabity of our Lab. is limited to the invoiced amount. 2.
- 3.
- Samples will be destroyed after ten days from the date of issue of test report. This report is not to reproduce wholly or in part and can not be used as an evidence in the court of 4. law and should not be used in any adverting media without or special permission in writting.

ANNEXURE VIII

ECBC REPORT

ECBC 2017 Compliance Affordable Group Housing by M/S JOTINDRA STEELS AND TUBES PVT. LTD. at Sector 45, Faridabad, Haryana

Climate Zone: Composite

Case: ECBC Compliant

Compliance Approach: Prescriptive and Envelope Tradeoff

Section 4 - Building Envelope

Sr. No.	Building Envelope Component	ECBC Prescriptive Compliance	Proposed
1	Roof	U = 0.33 W/sqm K (max) ;	Reflective paint + 20 mm external plaster + 75 mm XPS insulation + Waterproofing+ 150 mm RCC + putty finish U = 0.31 W/sqm K;
2	External Wall	U = 0.40 W/sqm K (max)	25 mm plaster + 200 mm AAC Block + 20 mm internal plaster + putty + paint U = 0.68 W/sqm K. This value is far better than usual construction practice where U Value is 2/sqmK
3	Fenestration	U : 3.0 W/sqm K (max) Max SHGC North for lat ≥ 15°N: 0.5 Max SHGC Non-North: 0.27 VLT = 0.27 (min) Max WWR is 40% if no tradeoff	Single glazed Aluminium /UPVC windows to be used in project U = 5.4 W/sqm K, SHGC = 0.26, VLT = 0.33

Section 5 – Comfort Systems and Controls

Sr. No.	Component	ECBC Prescriptive Compliance	Proposed
1	Ventilation	Mechanical Ventilation	The openings are conducive to the wind availability and the operable area is more than 20 % of the floor area for all habitable spaces. The Liv-Kit-Din design facilitates cross-ventilation required for warm and humid climate. The window positions fulfil the recommended sill levels to ensure air movement at critical height within a space. This shall ensure better perception of thermal comfort and reduce use of fans and AC's
2	Service Water Heating	Solar water heating	Not provided

Section 5 – Comfort Systems and Controls

Sr. No.	Component	ECBC Prescriptive Compliance	Proposed
3	Pumps	Min Efficiency 70%	Efficiency 78%
4	Cooling Towers		NA
5	Economizers		NA
6	Controls		NA
7	Energy Recovery		NA

Section 6 – Lighting and Controls

Sr. No.	Lighting	ECBC Prescriptive Compliance	Proposed
1	Lighting Controls	Scheduled based lighting controls or Occupancy based lighting controls to be provided	These are residential buildings so they are 24 hour use building. Hence lighting controls are not required. However common area and outdoors lights will be switched off in the morning and on in the evening to ensure there is no wastage of electricity.
	Interior Lighting Power	LPD to be less than 9.5 W/sqm for Hotels by Building Area Method mentioned in ECBC 2017`	LED lights installed will reduce the LPD to 8.9. They have a Light Output Ratio more than 7.5
3	Exterior Lighting Power	Building entrance (with canopy): 10 W/sqm of canopy area Building exit: 60 W/linear m of door width Building façade: 5.0 W/m2 of vertical façade area Pedestrian walkways: 2.0 W/m2 Stairways: 10.0 W/m2 Landscaping: 0.5 W/m2	Building entrance (with canopy): 9 W/sqm of canopy area Building exit: 58 W/linear m of door width Building façade: 4.8 W/m2 of vertical façade area Pedestrian walkways: 1.9 W/m2 Stairways: 9.5 W/m2 Landscaping: 0.49 W/m2

Section 7 – Electrical and Renewable Energy Systems

Sr. No.	Component	ECBC Prescriptive Compliance	Proposed
1	Transformers	Maximum Allowable losses as per ECBC	All transformers used in the project are energy efficient and comply with ECBC norms.
2	Energy Efficient Motors	Minimum Efficiency as per ECBC	All the motors used by pumps proposed in the project are energy efficient and comply with ECBC norms.
3	Diesel Generator (DG) Sets	BEE star rated DG sets shall be used in all compliant buildings.	We are using BEE 3 Star rated DG sets
4	Check-Metering and Monitoring	At Building mains, installed meters must be capable of monitoring Energy use (kWh), Energy Demand (kW) and total Power Factor on an hourly basis.	Meter installed at building mains is capable of monitoring Energy use (kWh), Energy Demand (kW) and total Power Factor on an hourly basis.

Section 7 – Electrical and Renewable Energy Systems

Sr. No.	Component	ECBC Prescriptive Compliance	Proposed
5	Power Factor Correction	All 3 phase shall maintain their power factor 0.97	Power Factor 0.97
	Power Distribution Systems	Distribution losses do not exceed 3% of the total power usage	Less than 2.8% in the building
	Uninterruptible Power Supply (UPS)	NA	
	Renewable Energy Systems	All buildings shall have provisions for installation of renewable energy systems in the future on rooftops or the site.	More than 30% of roof area is left for renewable energy generation in future.

ANNEXURE IX

CORPORATE ENVIRONMENTAL RESPONSIBILITY PLAN

Corporate Environmental Responsibility (CER):

Introduction: Sustainable development has many important facets/components like social, economic, environmental, etc and these components are closely interrelated and mutually reenforcing. The general structure of EIA document, prescribes inter-alia public consultation, social impact assessment and R&R action plan besides environment management plan (EMP). The Corporate Environmental Responsibility incorporates the infrastructure creation for drinking water supply, sanitation, health, education, skill development, roads, cross drains, electrification including solar power, solid waste management facilities, scientific support and awareness to local farmers to increase yield of crop and fodder, rain water harvesting, soil moisture conservation works, avenue plantation, plantation in community areas, etc.

On 1st may 2018, the Ministry of Environment, Forest & Climate change issued an Office MemorandumF.No.22-65/2017-IA.III to suggest a common principal for affixing the corporate environmental responsibility for Greenfield as well as Brownfield projects. It also involves the projects which are not governed by Section 135 of the Companies Act, 2013 or yet to make any net profit.

As per Ministry of Environment, Forest & Climate change Office MemorandumF.No.22-65/2017-IA.III dated 1st may 2018 the maximum percentage of fund allocation for CER is prescribed as follows.

S/n	Capital Investment / Additional Capital Investment (In Rs)	Greenfield Project- % of Capital Investment	Brownfield Project- % of Additional Capital Investment
I	II	III	IV
1	≤ 100 crores	2.0 %	1.0 %
2	> 100 crores to ≤ 500 crores	1.5 %	0.75 %
3	> 500 crores to ≤ 1000 crores	1.0 %	0.50 %
4	> 1000 crores to ≤ 10000 crores	0.5 %	0.25 %
5	> 10000 crores	0.25 %	0.125 %

Source: MoEF & CC OM F.No.22-65/2017-IA.III, dated 1st may 2018

Proposed CER: The Affordable Group Housing Colony at Revenue estate of Village Mewla Maharajpur, Sector 45 Faridabad Haryana is a Greenfield project and has Total Project cost of Rs 275/- Crore. The CER cost of the Greenfield project comes about Rs 4.125 /- Crore. The proponentM/s Jotindra Steel & Tubes Limited proposes a budget of about Rs 4.125/- Croreto fulfil its corporate environmental responsibility (CER).

Steps for CER Implementation:

The CER programme will be implemented in the following steps

- 1. Floating of RFP/tender for CER implementation
- 2. Finalization of CER implementation organisation
- 3. Memorandum of Understanding and award of CER Project
- 4. Monitoring & Evaluation
- 5. Reporting

CER Implementation Area: Contribution to CM relief fund @ 50 % of CER cost as per SEAC recommendation; Solar power Lights in village commons; Preparation of Cowshed along with provision of fodder; preparation of toilets; Tree plantation in village commons; Providing Free medicine to the economically weaker section in village etc.

1 Mevala Maharajpur

2 Ekta Vihar

CER Programme: The important CER Programme includes following.

- 1. Contribution to CM relief fund @ 50 % of CER cost as per SEAC recommendation;
- 2. Solar power Lights in village commons;
- 3. Preparation of Cowshed along with provision of fodder;
- 4. Preparation of toilets;
- 5. Tree plantation in village commons;
- 6. Providing Free medicine to the economically weaker section in village

Details of Programme:

Contribution to CM relief fund @ 50 % of CER cost as per SEAC recommendation: As per SEAC recommendation in its 184th meeting dated 15 July 2019,the proponent

A- Plantation in Community Areas: The plantation is must for climate amelioration and fresh air. The project proponent proposes to conduct the plantation drive (@ 2000

trees annually) in village commons and along the village roads. This activity will be carried out with close collaboration of village panchayat and local communities.

- **B-** Road Development & Repair: Roads are indicator for development. The project proponent proposes to develop the road section (@ Rs 5 lac per Km) in consultation with village panchayat/ authority. This will help to increase the traffic handling capacity of the area.
- C- Medical Food & Shelter Programme: Medical Food & Shelter Programmeis targeting the poorest of poor people living in the project area. A lumpsump amount of Rs 50,000/- per person will be distributed annually to 80 persons.
- D- Water & Sanitation Programme (WATSAN): The safe drinking water and Sanitation are the most important needs came out during interaction with villagers. The proponent proposes to install the aqua guard and water filtration machines in the primary and secondary schools (both private and govt). The sanitation programme (Safe Hand wash) will also be implemented in the selected schools.
- E- Electrification Including Solar Power: The sectors are having regular lights while the villages are in dark during night. This creates a divide among the society. The electrification of village circle will be carried out through providing standalone solar lights in the project villages. A local villager's will hired to look after the safety and regular functioning of solar light.

Project Implementation Schedule:

S.No.	Activities/ Month	1	2	3	4	5	6	7	8	9	10	11	12
Α	Plantation												
	Identification of vacant												
	community areas in												
	collaboration with local												
а	authority/ panchayat.												
	Release of grant for												
b	plantation drive												
	Organisation of plantation												
	drive @ 2000 Tree												
С	annually												
d	Monitoring and Reporting												
В	Road development & Repa	ir											
	Floating the RFP, and												
	selection of best												
	implementation												1
а	organization												

Project: Affordable Group Housing Colony at Revenue estate of Village Mewla Maharajpur, Sector 45 Faridabad Haryana.

Promoted by: M/s Jotindra Steel & Tubes Limited

Corporate Environmental Responsibility

S.No.	Activities/ Month	1	2	3	4	5	6	7	8	9	10	11	12
	Selection of Road section												
b	to be developed												
	Release Road												
	development budget of @												
С	Rs 5 lac per Km.												
d	Monitoring and reporting												
С	Medical; Food & Shelter Pr	ogra	mm	e									
	Floating the RFP, and												
	selection of best												
	implementation												
а	organization												
	Selection &MoU with best												
b	implementation organization												
0	Providing medical; food												
	and shelter assistance to												
	the poor people @ Rs												
	50,000/- per family												
с	annually 80 persons												
d	Monitoring and reporting												
D	Water & Sanitation (WATS	AN)											
	Floating the RFP, and												
	selection of best												
	implementation												
а	organization												
Ι.	Selection &MoU with												
b	schools												
	Purchase and installation												
	of aquagard/ water filter @ Rs 10,000/- each and												
	Sanitation programme in												
с	schools												
d	Monitoring and reporting												
D	Electrification including so	lar r	owe	r									
	Floating the RFP, and			-									
	selection of best												
	implementation												
а	organization												
	Identification of village												
	crossings for installation of												
b	standalone solar lights												
	Purchase and installation												
	of standalone solar lights												
С	@ Rs 11,000/- each												
е	Monitoring and Reporting												

S. No.	Activities	1st Year	2nd Year	3rd Year	4th Year	5th Year	Total cost (in lac)
1	Plantation in Community Areas	0.0 /-	0.0 /-	10.0 /-	10.0 /-	10.0 /-	30.0 /-
2	Road Development & Repair	0.0 /-	0.0 /-	0.0 /-	50.0 /-	50.0 /-	100.0 /-
3	Medical Food & Shelter Programme	40.0 /-	40.0 /-	40.0 /-	40.0 /-	40.0 /-	200.0 /-
4	Water & Sanitation Programme (WATSAN)	10.0 /-	10.0 /-	10.0 /-	10.0 /-	10.0 /-	50.0 /-
5	Electrification Including Solar Power	0.0 /-	0.0 /-	10 /-	10 /-	12.5 /-	32.5 /-
Total C	ER cost	50.0 /-	50.0 /-	70 /-	120/-	122.5/-	412.5/-

The brief budget outline is as follows:

ANNEXURE X

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