



BIHAR CEMENT PLANT

(A Unit of Shree Cement Ltd.)

Jasoia More, BIADA Industrial Growth Centre,

Post/P.S.- Aurangabad (Bihar)-824101, India

Tel. : 06186-292294, 292295, 292296

E-mail Id : shreebcgu@shreecementltd.com

CIN:L26943RJ1979PLC001935

SCL/Bihar/ENV/2020-21/1102

Date: 12 Nov 2020
By Speed Post

To,
The Additional Principal Chief Conservator of Forest (APCCF),
Ministry of Environment, Forests & Climate Change,
Regional Office (Ranchi),
Bungalow No. A-2, Shyamali Colony,
Ranchi - 834002

Sub: - Regarding compliance of environment clearance (April-2020 to September-2020) of Clinker Grinding Unit at Aurangabad Industrial Growth Center (Industrial Area), Tehsil & District-Aurangabad, Bihar by M/s Bihar Cement Plant, A Unit of Shree Cement Limited and M/s New Bihar Cement Plant, A Unit of Shree Cement Limited.

Ref: - Environment Clearance letter No. 67/SEIAA/17 dated: 13 June 2017


Dear Sir,

Kindly refer to the above subjected matter and referred EC letter, we are submitting herewith the pointwise compliance report of environment clearance for the period of April-2020 to September-2020.

This is for your kind information.

Thanking you.

Yours faithfully,
For Bihar Cement Plant and New Bihar Cement Plant
(A Unit of Shree Cement Ltd.)


(Gyanendra Mohan Khare)
Unit in charge

Copy to:


1. The Member Secretary, Bihar State Pollution Control Board, Parivesh Bhawan, Patliputra Industrial Area, Patna-800010 (Bihar)
2. The Member Secretary, State Environment Impact Assessment Authority, 2nd Floor, Beltron Bhawan, Shastri Nagar, Jawhar Lal Nehru Marg, Patna - 800023 (Bihar)
3. The Zonal Officer, Central Pollution Control Board, southernd Conclave, Block - 502, 5th & 6th floors, 1582 Rajdanga Main Road, Kolkata - 700107.



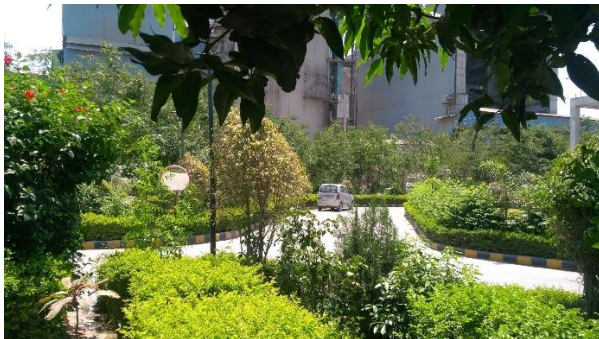
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Compliance of conditions of “Environment Clearance” of Clinker Grinding Unit at Industrial Growth Centre, Aurangabad, Bihar.

Ref: - Environment Clearance letter No. 67/SEIAA/17 dated: 13 June 2017

Specific Conditions:		
Condition No.	EC Condition	Compliance
1.	SPM from various process units should confirm to the load/mass based standard prescribed in the MoEF and SPCB from time to time. At no time the emission level should go beyond the prescribed standards.	CPCB / MOEF&CC formulated PM emission norms for clinker grinding unit and SO ₂ , NO _x & PM for kiln stack. There is no load based standards formulated for clinker grinding unit, it is formulated only for kiln stack. Emission level is well within the prescribed norms. Stack emission monitoring results are attached herewith as <u>Annexure-1</u> .
2.	Cement grinding shall be carried out in closed cement mill. Further, provision of dust extraction and pollution control system consisting of highly efficient bag filter and ID fan should be provide for cement mill, clinker silo, fly ash storage silo, cement silo, wagon and gypsum crushing plant with adequate stack height. Stack emissions shall be monitored at regular intervals and records maintained.	Cement grinding is carried out in closed cement mill. Dust extraction and pollution control system consisting of highly efficient bag filters and ID fan have been provide for cement mills, clinker silo, fly ash storage silo and cement silo. Stack height of Cement mill of Bihar Cement Plant is 42.5 meter and Cement mill of New Bihar Cement Plant is 50.0 meter. Continuous emission monitoring system have installed and online data is going on CPCB and BSPCB servers. Emission level is well within the prescribed norms. Stack emission level is attached herewith as <u>Annexure-1</u> .
3.	The stack emission from various sources shall not exceed 50 mg/Nm ³ as per the MoEF&CC notification G.S.R. 46(E) dated 03-02-2006.	Bag house for cement mills have been installed to maintain PM level to < 30 mg/Nm ³ . Reports are enclosed as <u>Annexure-1</u> .
4.	Transportation of fly ash to the plant should be brought through tankers and stored in silo without any air pollution at transfer point.	Fly ash is being transported in the closed containers and bulkers. It stored in silo and covered hopper only. A photograph is enclosed for your reference.

		
5.	Regular monitoring of air quality shall be carried out in and around the plant and records shall be maintained.	Ambient air quality for relevant parameters of clinker grading unit as per NAAQS, 2009 is being carried out by NABL certified lab and self for PM10, PM2.5, SO ₂ & NO _x . Results are well within the norms. Copy of the results is attached herewith as <u>Annexure-2</u> .
6.	Adequate dust suppression and extraction system should be provided in material storage areas, material loading / unloading areas and transfer point for controlling fugitive emission. Fugitive dust emission from ball mill and storage areas shall be collected in bag filters and recycled back to the process.	To control fugitive emission, following measures are provided: 1. Covered shed (size 194 X 90 Meter) for storage of raw materials 2. Silos for storage for clinker with dust collectors 3. Covered unloading hoppers with dust collectors 4. Covered conveyor belts for raw material conveying 5. Cemented roads in movement area 6. Regular deployment of 3 number of Vacuum dust sweeping machines 7. Water sprinkling at main gate (3 rows pipeline with mist nozzle) + 35 sprinklers at various location in plant 8. Bag filters at all material transfer points. There are 69 and 46 dust collectors installed in BCP and NBCP respectively 9. Deployment of water tanker for spraying water on roads.
7.	Regular water sprinkling should be done on the roads inside the plant and other high potential areas to control the fugitive dust emission.	Sprinklers have installed at main gate, unloading area and cement mill area. Water tankers are also being used for spray of water on roads to control the fugitive dust. The mist spray system have installed along the plant service road towards NH-98 and packing plant boundary area.
8.	Suction head should be provided at all transfer dust emission.	Dust collectors have been provided at all material transfer points.

9.	Groundwater shall not be abstracted without prior permission of CGWA	CGWA permission obtained and copy of NOC have already submitted.
10.	Clinker manufacturing is not permitted under this EC	Complying with.
11.	Solid waste viz. dust generation shall be properly recycled and reutilized in the process itself.	No solid waste is generated from clinker grinding unit. Dust collected from bag filters is being recycled in the process.
12.	The unit must develop a separate water body to harvest rain water so as to use the stored water for serving partial requirement of plant as also to use for plantation, firefighting, washing & cleaning etc.	<p>We have constructed 30000 KL capacity pond (size 167 x 40 x 4.5 meter) in plant area to collect the rain water. The latest photograph of rain water harvesting is enclosed for reference.</p>  <p>Water is used for recharging the ground water, plantation and dust suppression.</p>
13.	Green belt shall be developed in and around the plant premises. Green belt to be developed at least 33% of the project area. Selection of appropriate species for plantation programme may be done in consultation with the Environment & Forest Dept., Bihar	<p>Green belt have developed in and around the plant premises in more than 33% of the project area. Photographs of plantations along front of P&A, CCR and around logistic office is enclosed for reference.</p>   <p>In current rainy season 5000 plant saplings</p>

		have planted in and around plant premises. The planted species are Seesam, Kadam, Mango, Gular, Pakad, Sagwan, Mohagni, Arjun, Gulmohar, Amaltas, Neem, Semal, Peepal, Guava, Kachnar, Chhatwan, Eucalyptus, Peltophorum, Silver Oak, Jarul, Acacia etc.
14.	Ambient Noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level should confirm to the standards prescribes under EPA Rules, 1989 viz 75 dB (A) (day time) and 70 dB (A) (Night) and its subsequent amendments.	Adequate measures like silencers, acoustic enclosure, greenbelt development and regular maintenance of equipment are adopted to control the noise within the prescribed limit. Noise level is being monitored at the plant boundary as well as inside the plant premises. Results are well within the norms. Copy of the results is attached herewith as <u>Annexure-3</u> .
15.	Generators must be housed in acoustic enclosure and should meet the CPCB norms	2x500 KVA latest noise less DG sets are installed. They have inbuilt acoustic enclosure. These are operated only during the grid power failure for plant lighting purpose. As per the CPCB norms, stack height is being maintained. DG Set emission level is attached herewith as <u>Annexure-4</u> .
16.	All internal roads should be concreted / pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicle movements. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should confirm to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises. Solar lighting should be used as far as practicable	<p>All movement area and roads are cemented. A photograph is enclosed for the reference.</p>  <p>Proper lighting and pathway have been made to ensure safe vehicle movements. Vehicles are checked to confirm the PUC certificate. PUC certificate of few vehicles are enclosed here with for your kind reference as <u>Annexure-5</u>.</p> <p>We had installed the Solar lights but solar lights are not feasible in plant area as the lux level / illumination is not meeting the industrial safety</p>

		norms. Hence lights were removed from the working area.
17.	Health and safety of workers should be ensured. Workers should be provided with adequate PPE and sanitation facilities. Occupational Health Surveillance of the workers shall be done on regular basis and records maintained as per the Factories Act.	Personnel protective equipment have been provide to all. Proper sanitation facilities have been developed at site. Every worker is being examined as per the Factories Act. In 2019-20 total 1007 workers were undergone for medical checkup. Report of few workers is enclosed as <u>Annexure-6</u> for reference.
18.	Adequate measures to be adopted to ensure industrial safety.	Safe practices are being followed as per the industrial safety norms.
19.	The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.	Complying.
20.	No civil construction shall be constructed below the high tension wire passing through the proposed site of unit.	Complying.
21.	Follow all the safety measures as per The Indian Electricity rules, 1956 & its amendment.	Complying.
General Conditions:		
1.	The project proponent shall be comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake social-economic development activities in the surrounding villages like community development programmes, educational programmes and health care etc.	Environment Protection Measures mentioned have been implemented. A covered shed for storage of gypsum, coal, pet coke and slag has been constructed. Social welfare activities in the nearby area is going on. In FY 2020-21 (April to September) Rs. 0.80 Cr have spent on CSR activity. Details are enclosed as <u>Annexure-7</u> for your kind reference.
2.	All the condition, liabilities and legal provisions contained in the E.C. shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entry.	Not Applicable.
3.	All the laborers to be engaged for construction work should be screened for health and adequately treated before issue of work permits	Complying with. All the workers screened for health before issue of work permits. In last six months (April' 2020 to September' 2020) total 214 workers screened before issue of work permit. Screening report for few workers are enclosed herewith as <u>Annexure - 8</u>
4.	The project proponent should make financial provision in the total budget of the project for implementation of	Total capital cost of pollution control equipment is given as below:

	<p>environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.</p>	<ol style="list-style-type: none"> 1. Dust collectors in BCP Rs. 4.5 Cr. 2. Bag house in BCP, Rs 3.5 Cr 3. Dust collectors in NBCP Rs. 3.0 Cr 4. Bag house in NBCP, Rs. 3.95 Cr 5. Covering of conveyor belts Rs. 0.5 Cr 6. Sweeping m/c, Rs 0.40 Cr 7. Covered shed with wind breaking wall, Rs 5.0 Cr 8. Concreting roads Rs. 5.25 Cr. 9. Water harvesting pond and structures, Rs. 0.10 Cr 10. Water sprinkling arrangement Rs. 0.03 Cr 11. Water metering and level measurement indicators, Rs. 0.03 Cr 12. STP Rs. 0.30 Cr 13. Plantation, Rs. 0.80 Cr 14. Dispensary, Rs. 0.30 Cr. 15. Env Lab Equipment, Rs. 0.10 Cr 16. CEMS, Rs. 0.10 Cr. 17. Water tanker with trolley: Rs. 0.06 Cr <p>Total, Rs. 27.92 Cr. approximately</p> <p>Recurring expenditures during year April 2020 to September 2020 is given as below:</p> <ol style="list-style-type: none"> 1. Maintenance & up gradation of air pollution control measures: 0.33 Cr 2. STP operation & maintenance: 0.02 Cr 3. Water sprinkling: 0.02 Cr 4. Plantation: 0.07 Cr 5. PPEs: 0.02 Cr 6. Medical: 0.07 Cr 7. Operation of vacuum machine: 0.04 Cr 8. Housekeeping labors: 0.35 Cr 9. Env lab & CEMS: 0.06 Cr <p>Total, Rs. 0.98 Cr. approximately</p>
5.	<p>The project proponent directed to deposit 10% of the CSR cost (2.5% of the total project cost) as security in the form of fixed deposit, in a nationalized bank, pledged in the name of SEIAA, Bihar and details along with the time schedule for implementation shall be prepared and submitted to the SEIAA, Bihar.</p>	<p>The Copy of bank guarantee and CSR schedule submitted to the SEIAA Bihar, have already submitted.</p>
6.	<p>No further expansion or modification in the plant should be carried out without prior approval of the SEIAA.</p>	<p>Agreed to take prior approval for further any change in the scope of from the concerned authority.</p>

7.	The SEIAA, Bihar who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents/data by the project proponent during their inspection. A six monthly compliance report and monitoring data along with statistical interpretation shall be submitted to the BSPCB and SEIAA, Bihar regularly. This report shall be also put on the website of the company and also regularly be updated.	Full co-operation is being extended to the officials of the SEIAA, BSPCB and MoEF&CC during inspection. Six monthly compliance reports & monitoring data along with statistical interpretation (Annexure – 1, 2 & 3) is being submitted to State Environment Impact Assessment Authority, Regional Office of MoEF & CC, Central Pollution Control Board and State Pollution Control Board. It's also posted on the website of the Company.
8.	In case of any changes in the scope of project, the project would require a fresh appraisal by SEIAA.	Agreed to comply with.
9.	The project proponent should inform the public that the project has been accorded environmental clearance by SEIAA and copies of EC letter are available with SEIAA Secretariat and also be seen at website. This should be advertised by the project proponent within seven days from the widely circulated in the region of which one shall be in vernacular language of the locality concerned.	Informed the public by giving advertisement in two newspapers namely Naw Bihar Times and Parbhat Khabar dated 17/6/2017. Copy of the same has been submitted to SEIAA, Bihar by letter no. SCL/EC/NBCP/2017-18/161 dated 26 June 2017.
10.	Prior consent to establish (NOC) for the proposed project must be obtained from BSPCB before commencement of construction. All other statutory clearance should be obtained by project proponent from the competent authorities.	Complying.
11.	The EC accorded shall be valid for a period of 7 years for the proposed project. The above stipulations would be enforced along with those under the Water act, Air act, Environment (Protection) Act, 1986, The HWMH rules, 1989, the Public Liability Insurance Act, 1991, the EIA notification, 2006 and their amendments.	Complying with. Public Liability Insurance Act, 1991 is applicable to provide immediate relief to the person affected by accident involving hazardous substance. In the clinker grinding unit no hazardous substance is handled, hence it is not applicable.
12.	Any appeal against this EC shall lie with the NGT, if preferred within a period of 30 days as prescribed under section 16 of the NGT Act, 2010.	Noted.
Other Points		
1.	The responsibility for implementation of environmental safeguards rest fully with the project proponent.	Complying with.

2.	The authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of authority. If that be so, legal action as per the provisions of Environment (Protection) Act, 1986.	Complying with all the stipulated conditions.
3.	The EC accorded shall be valid for the period of grant of lease for the mine. The PP shall not increase production rate and alter lease area during the validity of EC.	It is only clinker grinding unit. Production is within the permitted capacity. Production capacity of Bihar Cement Plant: 4.5MMTPA and production up to April' 20 – September' 20: 769605 MT Production capacity of New Bihar Cement Plant: 4.5MMTPA and production up to April' 20 – September' 20: 905117 MT
4.	In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Bihar for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.	Noted.
5.	The above stipulations would be enforced among others under the Water act, 1974, Air act, 1981, the Environment (Protection) Act, 1986, The HWMH rules, 2008, the Public Liability Insurance Act, 1991, along with their amendments and rules made their under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Bihar and any other court of Law relating to the subject matter.	Noted and complying with. Public Liability Insurance Act, 1991 is applicable to provide immediate relief to the person affected by accident involving hazardous substance. In the clinker grinding unit no hazardous substance is handled, hence it is not applicable.
6.	Any appeal against this EC shall lie with the NGT, if preferred, within a period of 30 days as prescribed under section 16 of the NGT Act, 2010.	Noted.

**Statistical interpretation of Stack emission Monitoring Report
April' 2020 – September' 2020**

S. No.	Location/ Month	Pollution Control Measures	PM (mg/Nm ³) Cement Mill, BCP	PM (mg/Nm ³) Ball Mill, BCP	PM (mg/Nm ³) Cement Mill, NBCP
01.	Apr-20	Bag House	16	-	09
02.	May-20	Bag House	17	16	15
03.	June-20	Bag House	17	20	14
04.	July- 20	Bag House	19	-	16
05.	Aug -20	Bag House	19	-	18
06.	Sep -20	Bag House	14	-	25
Minimum			14	16	09
Maximum			19	20	25
Median			17	18	15.5



SHIVA TEST HOUSE

122 – C, Aastha, Road No. 5 A

Patliputra Colony ; Patna – 800 013

E.mail : sthpatna1@yahoo.co.in

RECOGNISED AS ENVIRONMENTAL LABORATORY BY MOEFCC, GOVT. OF INDIA, UNDER ENVIRONMENT (PROTECTION) ACT 1986, DEPTT. OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BIHAR AND BIHAR STATE POLLUTION CONTROL BOARD

TEST REPORT

Ref. No. BCP/TR/20-21/1511 Dt : 21.10.2020 Your Ref. No.SCL/CC/Environment/19-20/WO-4860 Dt : 24.04.2019				
[a]	Name and address of the Customer	BIHAR CEMENT PLANT (A unit of Shree Cement Ltd.) Industrial Growth Centre ; Jasoiya More AURANGABAD – 824 101 ; Bihar		
[b]	Report to be submitted to	Unit Head		
[c]	Details of Sample	Monitoring of Stack Emission		
[d]	Sample Collected by	SHIVA TEST HOUSE on 12.10.20		
[e]	No. & Type of Container	Thimble & Glass Impinger		
[f]	Items required to be tested	As per request		
[g]	Whether any specific Method of Test has been suggested by the party	No		
[h]	Date of receiving the sample	13.10.20		
Parameters		Method of Test	Results	
1.	Stack Connected to		Cement Mill Bag House	
2.	Height of Stack (as reported)		42.5 m.	
3.	Dia of Stack at Top (as reported)		2.8 m.	
4.	Draft		ID Fan	
5.	Material of Construction		M.S.	
6.	Ambient Temperature, °C		36.0	
7.	Flue Gas Temperature, °C		91.0	
8.	Velocity, m/sec.	IS 11255 (Part-3)	8.1	
9.	Atmospheric Pressure, mm. Hg		751.46	
10.	Moisture (%)		1.3	
11.	Volumetric Flow, NM ³ /hr.		146922.4	
12.	Sampling Point		29.6 m.	
		Concentration (mg / NM ³)	Concentration through CEMS (mg / NM ³)	Limit as per E (P) Rules
13.	Particulate Matter (P.M.)	IS 11255 (Part-1)	18.2	19.0
				30.00 mg / NM ³



[Signature]

Authorized Signatory
Quality Manager / Dy. Quality Manager

1. This report applies only to sample tested as above.
2. Total Liability of our Laboratory is limited to invoiced amount.
3. Test Report endorsed only the tests and not the product certificate.
4. Test Report can not be reproduced partially or full for legal/court purpose without written permission of the Laboratory.



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TEST REPORT

Ref. No. <i>BCP/TR/20-21/1512</i> Dt : <i>21.10.2020</i> Your Ref. No. <i>SCL/CC/Environment/19-20/WO-4860</i> Dt : <i>24.04.2019</i>	
[a] Name and address of the Customer	NEW BIHAR CEMENT PLANT (A unit of Shree Cement Ltd.) Industrial Growth Centre ; Jasoia More AURANGABAD - 824 101 ; Bihar
[b] Report to be submitted to	<i>Unit Head</i>
[c] Details of Sample	<i>Monitoring of Stack Emission</i>
[d] Sample Collected by	<i>SHIVA TEST HOUSE on 12.10.20</i>
[e] No. & Type of Container	<i>Thimble & Glass Impinger</i>
[f] Items required to be tested	<i>As per request</i>
[g] Whether any specific Method of Test has been suggested by the party	<i>No</i>
[h] Date of receiving the sample	<i>13.10.20</i>
Parameters	Method of Test
1. Stack Connected to	Cement Mill Bag House (NBCP)
2. Height of Stack (as reported)	50.0 m.
3. Dia of Stack at Top (as reported)	4.0 m.
4. Draft	ID Fan
5. Material of Construction	M.S.
6. Ambient Temperature, °C	36.0
7. Flue Gas Temperature, °C	94.0
8. Velocity, m/sec.	IS 11255 (Part-3)
9. Atmospheric Pressure, mm. Hg	751.41
10. Moisture (%)	1.3
11. Volumetric Flow, NM ³ /hr.	319419.6
12. Sampling Point	42.5 m.
	Concentration (mg / NM³)
	Concentration through CEMS (mg / NM³)
	Limit as per E (P) Rules
14. Particulate Matter (P.M.)	IS 11255 (Part-1)
	25.8
	27.0
	30.00 mg / NM³



[Signature]

Authorized Signatory
Quality Manager / Dy. Quality Manager

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Annexure -1



SHIVA TEST HOUSE

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TEST REPORT

Ref. No. BCP/TR/20-21/1514 Dt : 21.10.2020 Your Ref. No.SCL/CC/Environment/19-20/WO-4860 Dt : 24.04.2019			
[a] Name and address of the Customer	BIHAR CEMENT PLANT (A unit of Shree Cement Ltd.) Industrial Growth Centre ; Jasoia More AURANGABAD - 824 101 ; Bihar		
[b] Report to be submitted to	Unit Head		
[c] Details of Sample	Monitoring of Stack Emission		
[d] Sample Collected by	SHIVA TEST HOUSE on 12.10.20		
[e] No. & Type of Container	Thimble & Glass Impinger		
[f] Items required to be tested	As per request		
[g] Whether any specific Method of Test has been suggested by the party	No		
[h] Date of receiving the sample	13.10.20		
Parameters	Method of Test	Results	
1. Stack Connected to		Coal Mill Bag House	
2. Height of Stack (as reported)		35.5 m.	
3. Dia of Stack at Top (as reported)		1.2 m.	
4. Draft		ID Fan	
5. Material of Construction		M.S.	
6. Ambient Temperature, °C		36.0	
7. Flue Gas Temperature, °C		91.0	
8. Velocity, m/sec.	IS 11255 (Part-3)	8.4	
9. Atmospheric Pressure, mm. Hg		751.43	
10. Moisture (%)		1.1	
11. Volumetric Flow, NM ³ /hr.		27985.2	
12. Sampling Point		21.7 m.	
		Concentration (mg / NM ³)	Limit as per E (P) Rules
13. Particulate Matter (P.M.)	IS 11255 (Part-1)	19.4	30.00 mg / NM ³



[Signature]

Authorized Signatory
Quality Manager / Dy. Quality Manager

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**Statistical interpretation of Ambient Air Quality Monitoring Report
April' 2020 – September' 2020**

S. No.	Location/ Month	Plant boundary towards Hostel				Plant boundary towards Main Gate				Plant boundary towards Water Harvesting Pond			
		PM₁₀	PM_{2.5}	SO₂	NO_x	PM₁₀	PM_{2.5}	SO₂	NO_x	PM₁₀	PM_{2.5}	SO₂	NO_x
01.	Apr-20	49	24	5	14	51	23	5	15	44	22	5	12
02.	May-20	51	25	5	17	52	28	5	18	46	25	5	11
03.	June-20	52	28	5	20	54	30	7	22	51	29	5	16
04.	July- 20	50	27	9	17	55	31	9	21	50	28	7	19
05.	Aug -20	53	30	9	20	54	34	8	21	52	30	5	15
06.	Sep -20	52	27	12	22	50	29	11	24	48	26	10	18
Minimum		49	24	5	14	50	23	5	15	44	22	5	11
Maximum		53	30	12	22	55	34	11	24	52	30	10	19
Median		51.5	27	7	18.5	53	29.5	7.5	21	49	27	5	15.5



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TEST REPORT

Ref. No. BCP/TR/20-21/1509 Dt : 21.10.2020 Your Ref. No.SCL/CC/Environment/19-20/WO-4860 Dt : 24.04.2019					
[a]	Name and address of the Customer	BIHAR CEMENT PLANT (A unit of Shree Cement Ltd.) Industrial Growth Centre ; Jasoiya More AURANGABAD - 824 101 ; Bihar			
[b]	Report to be submitted to	Unit Head			
[c]	Details of Sample	Monitoring of Ambient Air Quality			
[d]	Sample Collected by	SHIVA TEST HOUSE on 12.10.20			
[e]	No. & Type of Container	Filter Paper ; Glass Impinger			
[f]	Items required to be tested	As per request			
[g]	Whether any specific Method of Test has been suggested by the party	No			
[h]	Date of receiving the sample	13.10.20			
Parameters	Method of Test	Sampling Station			Limit as NAAQS Nov. '2009
		Near Colony	Roof of Transport Office	Near Boys Hostel	
1. Particulate Matter (PM ₁₀), µg / m ³	IS 5182 (Part-23)	80.6 71.1 69.9	77.3 74.4 64.1	90.6 86.5 81.2	100 µg / m ³
2. Particulate Matter (PM _{2.5}), µg / m ³	CPCB	49.7 43.0 41.7	44.2 38.6 33.0	53.1 52.8 48.9	60 µg / m ³
3. Sulphur Dioxide as SO ₂ , µg / m ³	IS 5182 (Part-2)	9.4 12.7 8.6 7.4 6.5 8.2	11.4 13.7 14.7 9.5 8.0 10.4	13.8 15.1 16.4 12.5 11.1 10.2	80 µg / m ³
4. Nitrogen Dioxide as NO ₂ , µg / m ³	IS 5182 (Part-6)	42.2 44.5 35.6 32.7 30.8 34.8	42.2 44.6 47.2 40.9 38.1 41.8	54.1 56.5 59.0 51.7 48.5 46.8	80 µg / m ³
24 Hrs. Average Value					
	PM ₁₀	73.9	71.9	86.1	
	PM _{2.5}	44.8	38.6	51.6	
	SO ₂	8.8	11.3	13.2	
	NO ₂	36.8	42.5	52.8	



[Signature]

Authorized Signatory
Quality Manager / Dy. Quality Manager

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**Statistical Interpretation of Noise Level (in Leq-dB (A) Monitoring Report
April' 2020 – September' 2020**

S. No.	Monitoring Location Month	Plant boundary towards main gate / NH - 98		Plant boundary towards reclaimer Area		Plant boundary towards Water Harvesting Pond	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
01.	Apr-20	38.7	37.5	39.0	35.7	38.5	36.2
02.	May-20	42.1	40.3	41.8	48.3	41.5	42.4
03.	June-20	56.8	55.2	59.1	55.4	56.8	54.2
04.	July- 20	62.1	57.1	62.7	57.3	57.8	50.8
05.	Aug -20	65.2	55.3	64.8	55.8	59.3	52.3
06.	Sep -20	63.8	57.8	62.1	54.1	56.2	48.9
Minimum		38.7	37.5	39.0	35.7	38.5	36.2
Maximum		65.2	57.8	64.8	57.3	59.3	54.2
Median		59.5	55.3	60.6	54.8	56.5	49.9



SHIVA TEST HOUSE

122 - C, Aastha, Road No. 5 A
Patliputra Colony ; Patna - 800 013
E.mail : sthpatna1@yahoo.co.in

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TEST REPORT

Ref. No. BCP/TR/20-21/1510 Dt : 21.10.2020 Your Ref. No.SCL/CC/Environment/19-20/WO-4860 Dt : 24.04.2019	
[a] Name and address of the Customer	BIHAR CEMENT PLANT (A unit of Shree Cement Ltd.) Industrial Growth Centre ; Jasoiya More AURANGABAD - 824 101 ; Bihar
[b] Report to be submitted to	Unit Head
[c] Details of Sample	Monitoring of Ambient Noise Level within factory periphery
[d] Monitored by	Shiva Test House on 12.10.20
[e] Items required to be tested	As per Instruction
[f] Whether any specific Method of Test has been suggested by the party	No
Monitoring Location	Time Weighted Average (TWA) of Noise Level (Daytime) in dB(A)
1. Near ADM Building	65.3
2. Near Main Gate	68.4
3. Near Transport Office	70.6
N.B.:	The Ambient Air Quality Standards in respect of Noise as per Noise Pollution (Regulation and Control) Rules 2000 for Industrial area is 75.0 dB(A), for Commercial area is 65.0 dB(A), for Residential area is 55.0 dB(A) & for Silence Zone is 50.0 dB(A) in daytime i.e. 6.00 am to 9.0 p.m. As per Rule 7(1&2) the authority shall take action against violator if the noise level exceed the ambient noise standards by 10 dB(A) or more against any area/zone.



[Signature]

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Quality Manager / Dy. Quality Manager

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Patliputra Colony ; Patna - 800 013

E.mail : sthpatna1@yahoo.co.in

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TEST REPORT

Ref. No. BCP/TR/20-21/1515 Dt : 21.10.2020 Your Ref. No.SCL/CC/Environment/19-20/WO-4860 Dt : 24.04.2019			
[a]	Name and address of the Customer	BIHAR CEMENT PLANT (A unit of Shree Cement Ltd.) Industrial Growth Centre ; Jasoia More AURANGABAD - 824 101 ; Bihar	
[b]	Report to be submitted to	Unit Head	
[c]	Details of Sample	Monitoring of Stack Emission	
[d]	Sample Collected by	SHIVA TEST HOUSE on 12.10.20	
[e]	No. & Type of Container	Thimble & Glass Impinger	
[f]	Items required to be tested	As per request	
[g]	Whether any specific Method of Test has been suggested by the party	No	
[h]	Date of receiving the sample	13.10.20	
	Parameters	Method of Test	Results
1.	Type of Fuel		Diesel
2.	Stack Connected to		D.G. Set (500 KVA)Super Nova
3.	Height of Stack (as reported)		13.7 M
4.	Dia of Stack at Top (as reported)		0.15 M
5.	Draft		Natural
6.	Material of Construction		M.S.
7.	Ambient Temperature, °C		36.0
8.	Flue Gas Temperature, °C		157.0
9.	Velocity, m/sec.	IS 11255 (Part-3)	8.0
10.	Atmospheric Pressure, mm. Hg		751.5
11.	Volumetric Flow Rate (NM ³ /hr.)		352.5
12.	Sampling Point		From the top of Exhaust
		Concentration (mg / NM³)	Limit as per E(P) Rules*
13.	Particulate Matter (P.M.)	IS 11255 (Part-1)	30.6 75.00 mg / Nm ³
14.	Oxides of Nitrogen (NOx)	IS 11255 (Part-7)	166.1 710.00 mg / Nm ³
15.	Carbon Monoxide as CO	IS 13270 / 1992	28.0 150.00 mg / Nm ³
16.	Non Methanic Hydrocarbons (as C)	CPCB	20.0 100.00 mg / Nm ³
* : Emission Standards for Diesel Engines for Power Plant, Generator Set Application and other Requirements			
N.B.: There is no provision of Sampling Port for CPCB guidelines in the DG Set Exhaust			



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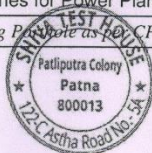
SHIVA TEST HOUSE

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TEST REPORT

Ref. No. BCP/TR/20-21/1516 Dt : 21.10.2020 Your Ref. No.SCL/CC/Environment/19-20/WO-4860 Dt : 24.04.2019			
[a] Name and address of the Customer	BIHAR CEMENT PLANT(A unit of Shree Cement Ltd.) Industrial Growth Centre ; Jasoia More AURANGABAD - 824 101 ; Bihar		
[b] Report to be submitted to	Unit Head		
[c] Details of Sample	Monitoring of Stack Emission		
[d] Sample Collected by	SHIVA TEST HOUSE on 12.10.20		
[e] No. & Type of Container	Thimble & Glass Impinger		
[f] Items required to be tested	As per request		
[g] Whether any specific Method of Test has been suggested by the party	No		
[h] Date of receiving the sample	13.10.20		
Parameters	Method of Test	Results	
1. Type of Fuel		Diesel	
2. Stack Connected to		D.G. Set (500 KVA) Supernova	
3. Height of Stack (as reported)		12.1 M	
4. Dia of Stack at Top (as reported)		0.15 M	
5. Draft		Natural	
6. Material of Construction		M.S.	
7. Ambient Temperature, °C		36.0	
8. Flue Gas Temperature, °C		164.0	
9. Velocity, m/sec.	IS 11255 (Part-3)	8.3	
10. Atmospheric Pressure, mm. Hg		751.5	
11. Volumetric Flow Rate (NM ³ /hr.)		359.8	
12. Sampling Point		From the top of Exhaust	
		Concentration (mg / NM³)	Limit as per E(P) Rules*
13. Particulate Matter (P.M.)	IS 11255 (Part-1)	27.4	75.00 mg / Nm ³
14. Oxides of Nitrogen (NOx)	IS 11255 (Part-7)	172.6	710.00 mg / Nm ³
15. Carbon Monoxide as CO	IS 13270 / 1992	32.0	150.00 mg / Nm ³
16. Non Methanic Hydrocarbons (as C)	CPCB	24.0	100.00 mg / Nm ³
* : Emission Standards for Diesel Engines for Power Plant, Generator Set Application and other Requirements			
N.B.:	There is no provision of Sampling Provision as per CPCB guidelines in the DG Set Exhaust		



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Quality Manager / Dy. Quality Manager

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Annexure-5

POLLUTION UNDER CONTROL CERTIFICATE

Authorised By:
Transport Department Uttar Pradesh



TEST RESULT : PASS
VALID TILL: 09/Mar/2021

Certificate St. No.: UP06200040010638
Registration No.: **UP62T7106**
Owner Name: GURDEEP SINGH
Chassis No.: MAT466385CSF11253
Engine No.: 21D63256673
Class of Vehicle: Goods Carrier
Make: TATA MOTORS LTD
Model: LPT 3118 TC
Vehicle Category: HEAVY GOODS VEHICLE
Date of Registration: 01/Aug/2012
Emission Norms: EURO 2
Fuel: DIESEL
Date of Testing: 10/Sep/2020
PUC Equipment: Manatec Electronics Pvt
Manufacturer Name: Ltd
PUC Equipment: ECO SMOKE 100
Manufacturer Model Name
PUC Equipment Serial No. SM-1000515

DIESEL DRIVEN VEHICLES
Certified that the vehicle conforms to the standards prescribed
under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Measured Value
DIESEL	2.45	0.66334

Time of Testing: 17:11:46

Auto Emission Testing Centre Code:
UP0620004
Testing Centre Name: M/S
POORVANCHAL PARYAVARAN SAMITI,
DHARMAPUR, JAUNPUR
Centre Address: DHARMAPUR,
JAUNPUR,0,222001
Test Conducted By: LAL CHAND YADAV



TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K VALUE	OIL TEMP
TEST 1	690.0	4750.0	0.53	0.0
TEST 2	770.0	4840.0	0.67	0.0
TEST 3	640.0	4740.0	0.79	0.0
AVG	700.0	4776.66667	0.66334	0.0

In Case Of Any Complaint Please Contact U.P.Transport Department Helpline: 18001800151
This is a computer generated certificate and does not require signature

POLLUTION UNDER CONTROL CERTIFICATE

Authorised By: GAYA
Transport Commissionerate, Bihar

Annexure -5



TEST RESULT : PASS

VALID TILL: 13/Mar/2021

Certificate Sl. No.: BR00200190001593
Registration No.: **BR02Q3149**
Owner Name: MD SABEER KHAN
Chassis No.: MAT466416B7N27236
Engine No.: B591803111L63206912
Class of Vehicle: Goods Carrier
Make: TATA MOTORS LTD
Model: LPT3118TC
Vehicle Category: HEAVY GOODS VEHICLE
Date of Registration: 23/Dec/2011
Emission Norms: BHARAT STAGE III
Fuel: DIESEL
Date of Testing: 14/Sep/2020
PUC Equipment
Manufacturer Name: Utkal Electronic
PUC Equipment
Manufacturer Model: SSS-15
Name

DIESEL DRIVEN VEHICLES
Certified that the vehicle conforms to the standards
prescribed under rule 115(2) of CMV Rules 1989

FUEL	Light Absorption Coefficient (Permissible Limit)	Measured Value
DIESEL	2.45	1.07667

Time of Testing: 13:11:31
Fee Charged: Rs.500.0
Fee Charged: (five hundred rupees only)

In case of any complain Please write to Transport
Commissioner Bihar

Auto Emission Testing Centre Code: BR0020019
Testing Centre Name: MAA VAISHNO
POLLUTION TESTING CENTER
Centre Address: BAIKAGI MORE PIPE
GALI NEAR S.G.M COLLEGE, RS DELHA
GAYA, 823002
Test Conducted By: RAJESH KUMAR
SINHA



TEST RESULT FOR DIESEL VEHICLE

	IDLE RPM	MAX RPM	K VALUE	OIL TEMP
TEST 1	630.0	2235.0	1.11	84.0
TEST 2	635.0	2150.0	1.02	84.0
TEST 3	630.0	2195.0	1.1	84.0
AVG	631.66667	2193.33334	1.07667	84.0

This is a computer generated certificate and does not require signature
Fuel Norms entered by PUC center BR0020019 manually. Please visit RTO and correct norms



Amosare - 6

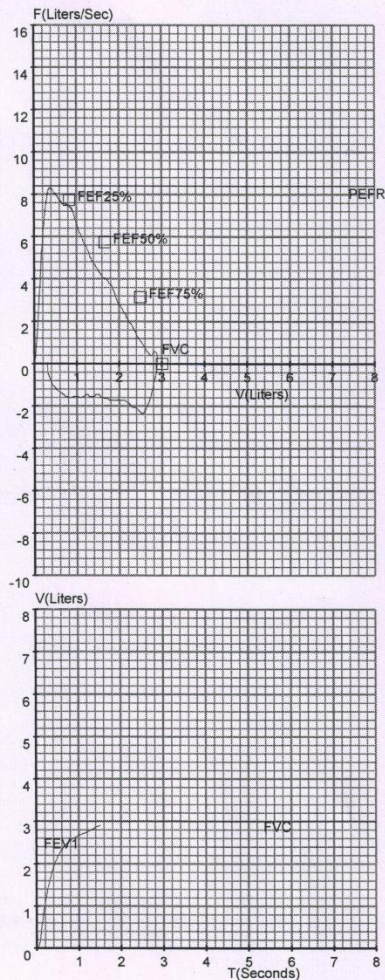
<p>Clarity Clarity Medical Pvt. Ltd.</p>	<p>Clarity Medical Pvt. Ltd. C-84, Indl Area, Phase 7, Mohali .INDIA</p>	<p>Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C Ref By : SHREE CEMENT LTD.</p>																																																																																																																																																																																																																																
<p>53 - UMESH BIND 27 Years / Male / Ht 153 Cms /52 Kgs / Non-Smoker</p>																																																																																																																																																																																																																																		
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FEF25%	[L/s] 7.55	8.76	116	--	--	--																																																																																																																																																																																																																												
FEF50%	[L/s] 5.57	4.32	78	--	--	--																																																																																																																																																																																																																												
FEF75%	[L/s] 3.02	1.72	57	--	--	--																																																																																																																																																																																																																												
FEV.5/FVC	[%] --	81.40	--	--	--	--																																																																																																																																																																																																																												
FEV1/FVC	[%] 87.10	97.23	112	--	--	--																																																																																																																																																																																																																												
FEV3/FVC	[%] 97.00	--	--	--	--	--																																																																																																																																																																																																																												
FEV6/FVC	[%] --	--	--	--	--	--																																																																																																																																																																																																																												
FEV1/FEV6	[%] --	--	--	--	--	--																																																																																																																																																																																																																												
FET	[S] --	1.18	--	--	--	--																																																																																																																																																																																																																												
ExpTime	[S] --	0.14	--	--	--	--																																																																																																																																																																																																																												
LungAge	[Y] 27.00	30.00	111	--	--	--																																																																																																																																																																																																																												
FIVC	[L] --	2.00	--	--	--	--																																																																																																																																																																																																																												
PIFR	[L/s] --	1.92	--	--	--	--																																																																																																																																																																																																																												
FIF25%	[L/s] --	8.26	--	--	--	--																																																																																																																																																																																																																												
FIF50%	[L/s] --	6.08	--	--	--	--																																																																																																																																																																																																																												
FIF75%	[L/s] --	3.21	--	--	--	--																																																																																																																																																																																																																												
FIV.5	[L] --	0.77	--	--	--	--																																																																																																																																																																																																																												
FIV1	[L] --	1.63	--	--	--	--																																																																																																																																																																																																																												
FIV3	[L] --	--	--	--	--	--																																																																																																																																																																																																																												
FIV.5/FIVC	[%] --	38.39	--	--	--	--																																																																																																																																																																																																																												
FIV1/FIVC	[%] --	81.73	--	--	--	--																																																																																																																																																																																																																												
FIV3/FIVC	[%] --	--	--	--	--	--																																																																																																																																																																																																																												
	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>FVC %Pred</p> </div> <div style="text-align: center;"> <p>FEV1 %Pred</p> </div> </div>																																																																																																																																																																																																																																	
<p>- Pre Medication Report : Spirometry within Normal range as FVC% >= 80 And FEV1/FVC% > 70</p> <p>- Pre COPD Severity Report: COPD Severity within Normal range</p> <p>- Doctor's Comments :</p>																																																																																																																																																																																																																																		
<p>Dr. SONIA K. JOSEPH</p>																																																																																																																																																																																																																																		

Note: The results may be clinically correlated.

76 - RAVINDRA CHOUDHARY
26 Years / Male / Ht 157 Cms / 59 Kgs / Non-Smoker

FVC TEST
Date: 21-01-2020 (T1)

Pred Eqn : CLARITY Eth.Corr : 100 Temp : 0°C
Ref By : SHREE CEMENT LTD.

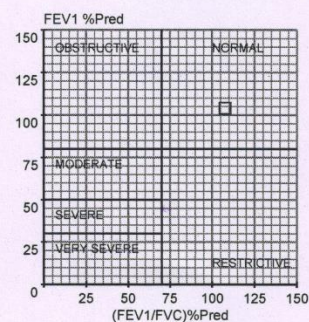
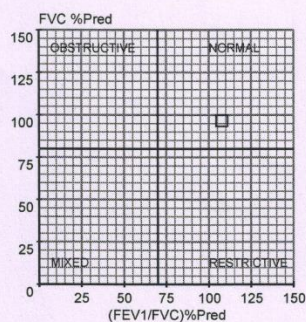


- Pre Medication Report :
Spirometry within Normal range as FVC% \geq 80 And
FEV1/FVC% $>$ 70

- Pre COPD Severity Report:
COPD Severity within Normal range

- Doctor's Comments :

Parameter	Pred	Pre	Pre%	Post	Post%	Imp%
FVC	[L]	3.00	2.89	97	--	--
FEV1	[L]	2.60	2.71	104	--	--
FEV.5	[L]	--	2.29	--	--	--
FEV3	[L]	2.91	--	--	--	--
FEV6	[L]	--	--	--	--	--
PEFR	[L/s]	8.42	8.36	99	--	--
FEF25-75	[L/s]	4.32	4.90	113	--	--
FEF75-85	[L/s]	--	1.80	--	--	--
FEF.2-1.2	[L/s]	7.18	7.01	98	--	--
FEF25%	[L/s]	7.71	8.27	107	--	--
FEF50%	[L/s]	5.70	5.03	88	--	--
FEF75%	[L/s]	3.11	2.34	75	--	--
FEV.5/FVC	[%]	--	79.16	--	--	--
FEV1/FVC	[%]	86.92	93.54	108	--	--
FEV3/FVC	[%]	97.00	--	--	--	--
FEV6/FVC	[%]	--	--	--	--	--
FEV1/FEV6	[%]	--	--	--	--	--
FET	[S]	--	1.40	--	--	--
ExpTime	[S]	--	0.10	--	--	--
LungAge	[Y]	26.00	25.00	96	--	--
FIVC	[L]	--	2.57	--	--	--
PIFR	[L/s]	--	2.35	--	--	--
FIF25%	[L/s]	--	9.10	--	--	--
FIF50%	[L/s]	--	6.13	--	--	--
FIF75%	[L/s]	--	4.08	--	--	--
FIV.5	[L]	--	0.83	--	--	--
FIV1	[L]	--	1.63	--	--	--
FIV3	[L]	--	--	--	--	--
FIV.5/FIVC	[%]	--	32.34	--	--	--
FIV1/FIVC	[%]	--	63.37	--	--	--
FIV3/FIVC	[%]	--	--	--	--	--



Dr. SONIA K. JOSEPH

Note: The results may be clinically correlated.

CSR Activities for the month of "April to September- 2020"

Sl.NO	Month	Detail of CSR Activities	Actual Expenses
1.	April-2020	Awareness programme related to precautionary measure taken in view of COVID-19.	24703
2.	May-2020	Distribution of COVID-19 prevention material and composite Ration Pack in surrounding ten villages of BGU under umbrella of SFT.	202584
3.	May-2020	Providing support to Indian Red Cross society, Aurangabad, Bihar for helping the migrant people coming from different state to Aurangabad or passing through Aurangabad.	49644
4.	May-2020	District Administration, Aurangabad (Letter no.39, dated_14/5/2020) made a written request seeking assistance in terms of three layered masks, 2000 liter of sanitizing liquid, 50 gloves and 50 PPEs.	357710
5.	June-2020	Distribution of Homeopathy medicine among employees/staff of BGU.	5020
6.	June-2020	Compensation paid to deceased person (Late Ranjeet Kumar Yadav).	250000
7.	July-2020	Handing over of "Truenat" COVID 19 Testing Machine to district administration at five districts in Bihar namely Aurangabad, Gaya, Rohtas, Nawada, Jehanabad.	6500000
8.	July-2020	Construction of WBM road in raipura village	643483
9.	August-2020	Handing over of "Eight Thermal Scanner Gun" to four police station at Aurangabad, Bihar.	14000
10.	August-2020	Distribution of "Vitamin C" medicine among employees and their family member at BGU.	0000
11.	September-2020	Organizing "Eye Checkup" at BGU for drivers and Khalasi in coordination with team of Sight saver on dated_10 th Sep 2020 & 28 th Sep 2020.	0000
Total Amount:			80,47,144/-
Total expenditure incurred on Corporate Social Responsibility/ Samaj Sewa activities under S.F.T. during the period "April' 2020 to September' 2020" is Rs 80, 47,144 (Eighty Lakh Forty Seven Thousand One Hundred Forty Four) only.			

Annexure-8

BIHAR CEMENT PLANT, AURANGABAD- PRE-EMPLOYMENT MEDICAL CHECK UP OF CONTRACT WORKERS
PRELIMINARY PARTICULARS

S.L.No	Date 7/9/2020	Name Ramm Athin Binda	DOB 28/9/1986	Age/Sex 34
Emp.ID/Gate Pass No	Aadhar/Voter ID No 78447793570	F Name Shiv Dhar Binda	Contractor/Agency S.A.CC	Department Packing Plant
Address /Mob. No. 4 harimpur 89 Kaimur (821101)				

History/Self Declaration (Yes/No)

Diabetes	High BP	Backache	Mental Illness	Chewing
No	No	No	No	No
Vertigo	Skin Disease	Height Phobia	Hearing Problem	Alcohol intake
No	No	No	No	No
Tobacco	Dyspnoea	Piles, Fissure	Any Chronic Illness	Convuls
No	No	No	No	No

General Examination

Height	Weight	BMI	Posture	Build
161 cm	69 kg		No	No
Clubbing	Pulse Rate	B.P.	Chest Inspiration	Chest Expiration
No	76/m	120/84 mm Hg	89cm	94cm
Any Other Findings				
No				

Systemic Examination

Heart Sounds	Murmur IF Any	Chest Shape	Chest Movement	Varicose Veins
S1 S2	No	Normal	Normal	No
Breath Sounds	Liver	Spleen	Hernia/Haemorrhoids/Fissure	Any Neurological
S1 S2	Normal	Normal	No	No
Any Abdominal Lump	Hernia/Hydrocoel	Squint	Nystagmus	Muscle Strength
No	No	No	No	No
Distant Vision	Near Vision	Colour Vision		
6/6	6/6	Normal		

Investigation

Hb%	TLC	DLC	Blood Group	Blood Sugar-FPP
			B+ve	

Opinion Fit/Unfit

Sign of Person Examined

Ramm Athin Binda

Sign of Medical Officer

Dr. S.P. Singh
Regd. No.-15407(Bihar)
Medical Officer
Bihar Cement Plant
(A Unit Of Shree Cement Ltd.)

NEW BIHAR CEMENT PLANT, AURANGABAD- PRE-EMPLOYMENT MEDICAL CHECK UP OF CONTRACT WORKERS
PRELIMINARY PARTICULARS

SL.No	Date 2/9/2020	Name Kumdam Paswan	DOB. 01/07/1988	Age/Sex 32
Emp.ID/Gate Pass No	Aadhar/Voter ID No 30636139655	F Name Vishnu Path Paswan	Contractor/Agency S.A.C.C	Department Packing Plant
Address /Mob. No.	Ganeshni Aurangabad (824121) Helper			

History/Self Declaration (Yes/No)

Diabetes	High BP	Backache	Mental Illness	Chewing
No	No	No	No	No
Vertigo	Skin Disease	Height Phobia	Hearing Problem	Alcohol Intake
No	No	No	No	No
Tobacco	Dyspnoea	Piles, Fissure	Any Chronic Illness	Convulsion
No	No	No	No	No

General Examination

Height 162 cm	Weight 64 kg	BMI	Pallor No	Build No
Clubbing No	Pulse Rate	B.P. 120/80 mm Hg	Chest Inspirat on 8.2 cm	Chest Expiration 9.3 cm
Any Other Findings	No			

Systemic Examination

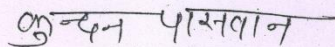
Heart Sounds S1 S2	Murmur IF Any No	Chest Shape	Chest Movement	Varicose Veins
Breath Sounds S1 S2	Liver	Spleen	Haemorrhoids/Fissure	Any Neurological Defect
Any Abdominal Lump	Hernia Hydrocoel	Squint	Nystagmus	Muscle Strength
Distant Vision 6/6	Near Vision 6/6	Colour Vision		

Investigation

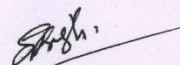
Hb%	TLC	DLC	Blood Group	Blood Sugar
			O+	

Opinion - Fit/Unfit

Sign of Person Examined



Sign of Medical Officer


Dr. S.P. Singh
 Regd. No.-15407 (Bihar)
 Medical Officer
 New Bihar Cement Plant
 (A Unit Of Shree Cement Ltd.)