



Ref: PJL/ENV/ 2022/576

Date: 01.12.2022

To, The Regional Director, Ministry of Environment, Forest & Climate Change Paryavaran Bhawan, Ravishankar Nagar, Bhopal.

Sub: Six Monthly EC Compliance Report of Prism Johnson Limited, Unit – II & Integrated Limestone mines.

Ref: Environmental Clearance letter No. F. No- J- 11011/949/2007/IA-II (I) dated 22.09.2008

Dear Sir,

With reference to above mentioned subject, we are herewith submitting the half yearly EC compliance report (April'22 to September 2022) related to the compliance of accorded environmental clearance of Prism Cement- Unit II & Integrated Limestone Mines (772.067 Ha, 512.317 Ha, 117.594 Ha and 99.416 Ha).

Kindly acknowledge the receipt. Thanking you,

Yours faithfully, For Prism Johnson Ltd.

Manoj Kumar Kashyap Astt. Vice President

Encl: as above.

Cc: The Director, MoEF & CC, Delhi The Member Secretary – MPPCB Bhopal The Member Secretary, CPCB, Bhopal The Regional Director – CGWB Bhopal

PRISM JOHNSON LIMITED

(Cement Division - Unit II)



Works: Village Mankahari, P.O.-Bathia, Dist. Satna - 485 111 (M.P.) India T: +91-07672-275301 / 302600 Corres. Add.: 'Rajdeep', Rewa Road, Satna - 485 001 (M.P.) India. T: +91-07672-402726 Registered Office: Prism Johnson Limited, 305, Laxmi Niwas Apartments, Ameerpet. Hyderabad - 500 016, India. w: www.prismjohnson.in, www.cement.prismjohnson.in, E: info@prismjohnson.in

CIN: L26942TG1992PLC014033

Compliance report with Regard to Environment Clearance accorded by MoEF&CC vide letter no.J-11011/949/2007-IA-II(I) dated22.09.2008

S.No.	Conditions	Com	plianceSt	tatus		
A. Spec	A. Specific Conditions:					
1.	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the Madhya Pradesh Pollution Control Board. At no time, particulate emissions from the cement plant including kiln, coal mill, and cement mill, cooler and captivepower plant(CPP) shall not exceed 50 mg/Nm3.	The units with The Ann e	gaseous 5 i.e. Kiln in the pro analysis exure 1.	and the particulate mat a, Coal Mill, Clinker Coole escribed norms. There is n report of emissions from	ter emissions from r and Cement Mill o CPP at our cemen various units is en	n various are well nt plant. nclosed as
	Continuous on-line monitorsfor particulate emissionsshall beinstalled. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.	Cont qual parti varic displ displ Phot Anno Inter equi didn	inuous A ity monit iculate e ous units layed at t lay board cographs exure 2. flocking pment so 't work t	Ambient Air quality monito coring and Continuous emi emissions and gaseous e s, have been installed a the main gate of the pren I. of AAQMS, CEMS & di facility has been provide that in the event of the che respective unit(s) will b	oring system for Ar ission monitoring s emissions monitored ind the monitored hises by the means splay board is en ed in the pollutio pollution control e be shut down autor	nbient air ystem for ing from d data is of digital closed as n control quipment natically.
2	Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored Guidelines/Code of Practice issued by the CPCB in this regard should be followed. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at material transfer points. Atomized water spray system with reclaimer shall be installed in silo used for the storage of ash.Covered conveyer belts shall be used to reduce fugitive emissions. Concreting of all the roads, water sprinkling system at limestone and coal handling area shall be ensured to reduce fugitive emissions	Sec we pro Gui beii Det foll 1.	sondary f ll within ctices. A wided at delines/C ng follow cails of p ows:- Covered materia S.No 1. 2. 3. 4. 5. 6. 7.	fugitive emissions are con the prescribed limits atomized sprinklers and v source of dust generation code of Practice issued by yed. practices adopted to cont d Sheds and Silos are pr ils. Details are mentioned l Name of raw material Limestone Coal Gypsum Laterite Clinker Fly ash Cement	ntrolled and are m by the means o vater spraying arra the CPCB in this r rol fugitive emissi ovided for storag below:- Storage Facility Covered Shed Covered Shed Covered Shed Silo Silo Silo	aintained f various angement regard are on are as e of Raw
		2.	4. 5. 6. 7. Flexible	Laterite Clinker Fly ash Cement curtains and water spi	Covered Shed Silo Silo Silo ray arrangement	has t

		 provided at the unloading of limestone at crusher. Fog Canon installed Near Stock Pile of Lime stone to control fugitive Emission. Bag filters (114 No. of Bag filters) are installed to control fugitive emission. Dry fly ash is pneumatically unloaded and stored in silo from closed bulkers. Permanent water sprinklers system has been installed at the haul roads of Limestone Mine and Water spraying with the help of water tankeris also done to control fugitive emission which can be caused by the movement of vehicles. Closed conveyor belts are provided for transfer of raw materials within the plant premises. Closed bulkers are used for transfer of fly ash to avoid fugitive emission. Covered trucks are used for transfer of other raw materials and end products. Wet drilling is practiced to prevent secondary fugitive emission. Dense plantation is done along the periphery of roads and in plant and mines premises as measure to control fugitive emission. Concrete road and truck parking area is provided to mitigate secondary fugitive emission.
	Ambient air quality including	Photographs of various measures to control fugitive emission is enclosed as Annexure 3.
3	ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities.	Ambient Air emission parameters are well within the prescribed norms.Noise levels are also within the norms.Monitoring report of ambient air quality analysis and noise monitoring is enclosed as Annexure 4.
	Monitoring of ambient air quality and shall be carried-out regularly in consultation with MPPCB and data for air emissions shall be submitted to the CPCB and MPPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.	Regular ambient air quality monitoring and noise level monitoring are done with the calibrated instruments. Ambient air quality and Ambient Noise levels does not exceed the standards stipulated under EPA or by the state authorities. Calibration certificates are attached at - Annexure no. 4(b)
4	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land.	Raw materials and end products with fugitive emission tendency are being transported in trucks covered by the tarpaulin and bulkers to reduce the effects of fugitive emission on the surrounding environment and agriculture land. Raw materials and end products with fugitive emission tendency are transported within the plant premises with the help of closed conveyor belts to reduce impact of transport.



5.	Fly ash shall be utilized as per the provisions of Fly AshNotification-1999, subsequently amended in 2003. Fly ash shall be stored in ashsiloand100% used in the cement manufacturing	the Fly ash is being utilized as per the provisions of Fly 99, Notification 1999, subsequently amended in 2003. Fly ash is being transported by the means of closed bulkers ar in Fly ash is being transported by the means of closed bulkers ar is stored in Silos and 100 % fly ash is used in cen manufacturing. Consumption of fly ash is as follows: Yearly Fly Ash Consumption Year Qty (MT)		Fly ash ers and it cement	
		-	2015-2016	848939	_
		-	2010-2017	810908	_
		-	2017-2018	701922	_
		-	2018-2019	855770	_
		-	2019-2020	808392	_
		-	2020-2021	906630	_
			2021-2022(till March)	391212	
6.	The company shall make the efforts to utilize the high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly. The company shall keep the record of the waste utilized and shall submit the details to Ministry's Regional Office at Bhopal, CPCB and SPCB.	Permissi cement Copy of Record o to the <i>N</i> Details o	ion for utilization of High kiln has been taken. same is enclosed as Anne of the waste utilized is be Iinistry's Regional Office a of hazardous waste used a	calorific hazardous wa xure 5. ing maintained and is s it Bhopal, CPCB and SPG are as follows:	ste in the submitted CB.
7.	Total water requirement shall not exceed 2500 m3/day.	^t Water consumption is kept within 2500 m3 / day. Details of wate consumption is mentioned below:		of water	
		Waste v capacity develop Water cou STP treato Photogra	water generated is treater of 600 KLD and the treat ment of green belt. nsumption details is enclo ed water analysis report is phs of STP and Green Belt	ed with the help of ST ated water is being use used as Annexure 5 (a). s enclosed as Annexure t is enclosed as Annexu	TP having ed for the e 5 (b). re 5 (c).
	The treated wastewater from STP and utilities shall be reutilized for green belt development and other plant related activities i.e. Cooling and dust suppression in raw material handlingarea etc., after necessary treatment. 'Zero' discharge shall be strictly adopted and no effluent from the process shall be discharged outside the premises.	STP of ca waste wa utilized fo and the s plant is us No efflue maintaine Analysis o	apacity 600 KLD has been ater generated and the or green belt developmer sludge waste so generat sed as manure in plantatic ent discharge from the p ed the Zero discharge.	n installed to treat the treated waste water nt, dust suppression an ed from the sewage t on. blant premises is there ed as Annexure 5(b) .	domestic is being id cooling reatment e and has
8	Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony and mine site.	Rain wat premises harvestii	ter harvesting measures h s as well in Mines and no ng measures are mentione	ave been implemented earby villages. Details o ed below:	l in plant of water

		1. Water harvesting pond of capacity 13 Lac m ³ has been constructed in Mines area.
		2. 7 Nos. of Roof Top rain water harvesting has been developed to harvest rain water.
		3. Runoff Water Harvesting Structure Near Guest House.
		4. Ground water recharge with 3 Abandoned bore-wells.
	5. Groundwater Recharge Pit Connected with Storm Drain - A type Colony.	
		6. Groundwater Recharge Pit Connected with Storm Drain - Near Nursery
		7. Ground water recharge with abandoned bore well near steel yard.
		8. Recharge Bore Hole for Recharging the Ground Water - 22 Nos
		9. Deepening of Ponds at Mankahari and Bamhauri village with Hume pipe and ground water recharge system.
	10. Construction of water reservoir at Baghai village for water conservation.	
		Photographs of rain water Harvesting Structure is enclosed as Annexure 6.
	Besides, company must also harvest the rain water from the roof tops and storm water drains to recharge the ground water	 There are 7 Nos of Roof top rain water harvesting structures in plant premises These are: MRSS building Project Office building School Building. Cement Mill Unit II Load Center Cooler load Center of Unit I Cooler load Center of Unit II Store building. Filters have been installed at roof top drain so as to filter out the dust, grits solid contents into bore-wells.
	The company must also collect rain water in the mined out pits of captive lime stone mine and use the same water for the various activities of the project to avoid fresh water requirement.	The company collects rain water in the mined out pits of captive lime stone mine and use the same water for the various activities. The water is used for various activities i.e. spraying On haul roads, crusher hopper, green belt development etc. Rain water harvesting pond with capacity of 13 lac m3 has been developed and the harvested water is used for various purpose whichhelps conservation of fresh ground water.
	The company shall construct the rain water harvesting and ground water recharge structures outside the plant premises also in consultation with local gram panchayat and Village heads to augment the ground water level. An action plan shall be submitted to	 Rain water Harvesting structures have been measures have been implemented in nearby villages are also. Some of them are as follows: 1. Deepening of Ponds at Mankahari and Bamhauri village with Hume pipe and ground water recharge system. 2. Construction of water reservoir at Baghai village for water conservation.
	within 3months from date of issue of this letter.	Bhopal. Copy of same is enclosed as Annexure7 .

9	The project proponent shall modify the mine plan of the project at the time of seeking approval for the next mining scheme from the Indian Bureau of Mines so as to reduce the area for external over burden dump by suitably increasing the height of the dumps with proper terracing. It shall be ensured that the overall slope of the dump does not exceed28°.	 We have obtained approval of further Schemes of mining for the leases of PCL as follows: 1. 772.067 ha (Hinauti&Sijahata) vide IBM letter no MP/Satna/Limestone/RMP-39/2019-20 Dt. 31/03/2020, 2. 99.416 ha (Hinauti&Sijahata) vide IBM letter no MP/Satna/Limestone/RMP-50/2021-22 Dt. 20.12.21, 3.512.317ha (Baghai) vide IBM letter no MP/Satna/Limestone/RMP-57/2020-21 Dt.09/04/2021and 4. 117.594 ha (Mendhi) vide IBM letter no MP/Satna/Limestone/M.Sch-6/16-1 Dt. 04.11.2016by the Indian Bureau of Mines. Copy of approval letter is enclosed as Annexure8. Dump height and slope has been maintained as per guidelines. The details are enclosed as Annexure 9.
10	Top soil if any, shall be stacked with proper slope at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out areas.	The top generated during Mining is being stacked at the earmarked site and is used for reclamation of Mined out area by spreading it over the waste rock after backfilling, and for plantation purpose.
11	The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations	 The Surface water bodies in area are observed as Tamas River, which is adjacent to the Hinauti&Sijhata Limestone Mine in North direction. The Magardahanalla is located outside the lease area in the western side. Magardahanalla ultimately joins the Tamas River. Nar Nala falls outside the lease area and flanks the Baghai mining lease from the western side. No natural water course is obstructed due tomining and plant operations. The company is taking following measures for Protection of the TamasRiver, MagardahaNala and Nar Nala (natural water course) which isadjacent to theHinoutiSijhata and Baghai Limestone Mine in North East and west direction respectively. Solid barrier of minimum 50 m width has been made from the river bank to avoid the flow of surface run off to the River. Garland drains made along the slope of dumps. Rain water is channelized to a Settling Tank to eliminate silting of river and then discharged in natural drainage course. Plantation has been done all along inside safety barrier of Tamas River.

		 Proper landscape has been developed near the River bank to avoid erosion. There is no proposal for diversion/ obstruction/ modification of any natural water course during mining activity.
	The company shall make the plan for protection of the natural water course passing nearby mine area and submit to the Ministry's Regional Office at Bhopal.	The proposal for natural water course protection passing nearby mines area is submitted. Copy is enclosed as Annexure 10.
12	The inter burden and other waste generated shall be stacked at earmarked dump site(s) only and should not be kept active for long period.	The interburden and waste generated during mining has been stacked at earmarked dump site and is used in backfilling progressively as per approved mining plan. Dumps have been stabilized simultaneously by planting local species and bushes i.e. Bouganvilliea, karanj, Alstonia, Neem etc.
		Total 26,223 number of plantation has been done in Mines area and 7,170 no. of plantation has been done in plant and colony premises during FY 2022-23 (till September). In addition to the above we have distributed 1,20,000 no. of plants during CSR activities in nearby village area FY 2022-23 (till September).
	The total height of the dumps shall not exceed 30 m in three terraces of 10 m each and the overall slope of the dump shall be maintained to 28. The inter burden dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off.	The total height of the dumps is not exceeding then 30 m and the slope of the dumps are maintained at 28°. Details regarding dumps are enclosed as Annexure 9 .
	Monitoring and management of rehabilitated areas should continue until the vegetation becomes self- sustaining.	Monitoring and management of rehabilitated areas will be continued until the vegetation becomes self-sustaining.
	Compliance status should be submitted to the Ministry of Environment & Forests and its Regional Office, Bhopal on six monthly bases.	Compliance status is submitted on regular basisto Ministry of Environment & Forests and its Regional Office, Bhopal. Last EC Compliance was submitted vide letter no. PJL/ENV/2022/505 dated 01.06.22.
13	The void left unfilled shall be converted into water body.	Agreed will be developed as per Progressive Mine Closure Plan. A Rain water harvesting reservoir has been already developed which is having capacity of 13lakh Cubic meter. The accumulated water is used for industrial purpose at mine and cement plant. Proper landscaping is done around the water body.
	The higher benches of excavated void/mining pit shall be terraced and plantation to be done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body.	Mined out pit has been terraced and the gentle slope is stabled and planted with adequate vegetation of local species.

	Peripheral fencing shall be carried out	Fencing is being done around the periphery of Mines excavated
	along the excavated area.	area.
14	Catch drains and siltation ponds of	Approximately 720 m. of Catch drains along dumps and 02 siltation
	appropriate size should be constructed	ponds of appropriate size have been constructed. The catch drains
	for the working pit, inter-burden and	are for inter-burden and Mineral dumps to arrest flow of silt and
	mineral dumps to arrest flow of slit and sediment	Sediment. Garland drain along lease boundaries of 3 o Km (cumulative in two
	Scamena	locations) has been constructed.
		Check dams have been made at regular intervals in garland drains to
		hinder the flow of rain water and to arrest the silt.
	The water so collected should be utilized	Complying with.
	for watering the mine area, roads, green belt development etc.	The water so collected is being utilized for watering of Mine area, green belt development etc.
	The drains should be regularly de-silted, particularly after monsoon, and maintained properly.	The drains are regularly de- silted, particularly after monsoon, and maintained properly

15	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter-burden dumps and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains and de- silted at regular intervals.	Garland drain having dimension of cumulative length of 3.0 Km, a width of 2.0 to 3 meters and depth of 0.75 to 1.2 meter. It is having appropriate gradient following Natural contour. Sump size of length 25m x width 15m and depth 4m. has been constructed along the garland drain. One additional siltation ponds has been constructed. It is having a capacity of 50% safety margin to accommodate over and above peak sudden rainfall and maximum Discharge in the area. Garland drains and de-siltation ponds are de-silted at regular intervals, especially after monsoon.
16	Dimension of the retaining wall at the toe of inter-burden dumps and inter-burden benches within the mine to check run-off and siltation should be based on the rain fall data.	The dumps are temporary in nature and are made up of competent rocks and shall be used for backfilling.
17	Regular monitoring of ground water leveland quality should be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around project area in consultation with Regional Director, Central Ground Water Board. The frequency of monitoring should be four times a year- pre-monsoon (April / May), monsoon (August), post monsoon (November), and winter (January). Data thus collected shall be sent at regular intervals to Ministry of Environment and Forests and its Regional Office at Bangalore, Central Ground WaterAuthority and Central Ground Water Board.	Regular monitoring of ground water level and quality is being carried out by the means of constructed Piezometers at the site in and around Project area. Frequency of monitoring is four times a year- pre-monsoon (April / May), monsoon (August), post monsoon (November), and winter (January). The monitoring results for Ground water Quality & water level is being submitted to the MoEF, New Delhi, Regional Office of MoEF, Bhopal, Central Ground Water Authority, New Delhi, Central Ground Water Board, Bhopal on regular basis. Analysis report is enclosed as Annexure 11.
18	Blasting operation should be carried out only during the daytime.	Complying with. Blasting operations are carried out during the day time only.
	Controlled blasting shall be practiced. The mitigation measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented	 Controlled blasting is carried out according to the recommendation of Central Institute of Mining And Fuel Research. The salient recommendations are given below: The AOP has been recorded within prescribed limits All the recorded data (blast vibrations, air overpressures and fly rocks) were well within the safe limit at the houses/structures concerned. The dominant peak frequencies of ground vibrations were in the range of 11.4 to 129 Hz. FFT analysis of blast vibration frequencies confirmed that concentration of frequencies is in band of 13.3-40.3 Hz. So, the safe level of vibration has been taken as 10 mm/s for the safety of houses/structures of the surrounding villages as per DGMS standard.

		 Propagation equation for the prediction of blast vibration has been established and is given as Equation 1. The permissible explosive weight per delay may be computed from the Equation to contain vibration within safe limits for distances of houses/ structures concerned. For convenience, the recommended explosives weight per delay has been computed and is given in Table A3. The delay interval between the holes in a row should be 17 ms whereas between the rows, it should be 65 ms or more depending upon the number of rows and effective burden. If the numbers of rows are more than two, the delay interval between rows should be increased by 15% in successive rows. It is recommended that the existing Nonel initiation system should be continued in the Blasting operations and Electronic initiation systems should be practiced on the benchesnear to the structures for more precise and accurate delay design. The sub-grade drilling should be o.3 to 0.5 m for a blast hole depth of 6 to 7 m and should be initiated from the Bottom of the hole. It is advisable to use blasting mate with sand bags in sensitive area to ensure any non ejection of fly rocks. For this Nonel as well as electronic system may be used as an Initiation system.
		Vibration report is enclosed as Annexure 12.
19	The project proponent shall adopt wet drilling.	Complying with Regular wet drilling is practiced.

20	As proposed, green belt should be	Total 26,223 number of plantati	ion has been done in Mines area a	nd
	developed in 33% in and around the plant	14,468 no. of plantation has bee	en done in plant and colony premis	ses
	as per the CPCB guidelines.	during FY 2022-23(till September	r).	
		In addition to the above we ha	ave distributed 1,20,000 no. of plar	nts
		during CSR activities in nearby v	illage area FY 2022-23(till Septembe	er).
21	All the recommendations of the	Action Plan	Compliance status	,
	Corporate Responsibility for	Cement Plant, which are not	Complied with.	
	Environmental Protection (CREP) shall be	complying with notified	•	
	strictly followed.	standards shall do the		
		following to meet the		
		standards		
		 Augmentation of 		
		existing Air		
		Pollution Control		
		Devices : by July		
		2003		
		 Replacement of 		
		existing Air		
		Pollution Control		
		devices : by July		
		2003		
		Cement plants located in the		
		critically polluted or urban	Complied with. We are	
		areas (including 5 Km	achieving the PM emission	
		distance outside urban	norms within 30 mg/Nm3.	
		boundary) will meet 100		
		Mg/Nm3 limit of particulate		
		matter by December 2004		
		and continue working to		
		reduce the emission of the		
		particulate to 50 mg/Nm3		
		The new cement klins to be	Complied.	
		ACCOFUED		
		NOC/Environmental		
		will most the limit of ro		
		mg/Nm2 for particulate		
		matter emissions		
		CPCB will evolve load based		
		standards by December 2002		
		CPCB & NCBM will evolve	Not applicable.	
		SO2 & NOx emission		
		standards by June 2004		
		The cement industries will	Complied	
		control fugitive emissions	Bag Filters installed at all	
		from all the raw material and	Material transfer points.	
		products storage and	Water spraying regularly on	
		transfer points by December	haul roads.	
		2003. However, the		
		feasibility for the control of		
		fugitive emissions from		
		limestone and coal storage		

		areas will be decided by the		
		The NTF shall submit its		
		recommendations within		
		three months		
		CPCB , NCBM, BIS and Oil	We are using pet coke.	
		refineries will jointly prepare	_	
		the policy on use of		
		petroleum coke as fuel in		
		cement kiln by July 2003		
		After performance	Installed continuous	
		evaluation of various types	monitoring systems (CEMS)	
		of continuous monitoring	in all process stack.	
		equipment and feedback		
		from the industries and		
		equipment manufacturers,		
		NIF will decide feasible unit		
		operations/sections for		
		Installation of continuous		
		industry will install the		
		continuous monitoring		
		systems (CMS) by December		
		2003		
		Trippings in kiln ESP to be	Complied.	
		minimized by July 2003 as		
		per the recommendation of		
		NTF		
		Industries will submit the	We are using the AFR waste	
		target date to enhance the	material in our kiln.	
		utilization of waste material		
		by April 2003		
		NCBM will carry out a study	Not Applicable	
		on hazardous waste		
		utilization in cement kiln by		
		December 2003		
		Cement industries will carry	Agreed.	
		out reasibility study and		
		for co generation of newer		
		by July 2002		
22	Vehicular emissions should be kent	Vehicular emission is kept unde	r control Begular maintenance	of all
22	under control and regularly monitored.	vehicles is done as per manu	facturer's maintenance schedul	le i.e.
	Measures shall be taken for maintenance	changing of timely diesel filters.	calibration of Fuel pump. overha	auling
	of vehicles used in mining operations	of engines etc.		- · · · O
	and in transportation of mineral. The	No vehicle without valid PUC is	s allowed inside the plant and r	mines
	vehicles should be covered with a	area.		
	tarpaulin and shall not be overloaded.	The vehicles engaged in transp	ortation of minerals outside the	e core
		zone are provided with tarpaulir	n and no overloading is allowed.	
23	Digital processing of the entire lease	Complying with.		
	area using remote sensing technique	Digital processing of entire	lease area using remote se	nsing
	should be done regularly once in three	technique is being done and c	opy of same has been submitte	ed to

	years for monitoring land use pattern and report submitted to Ministry of Environment and Forests and its	MoEF&CC and its Regional office. Copy is enclosed as Annexure 13.
24	Regional Office, Bhopal A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment& Forests 5 years in advance	The documents will be submitted well before the 5 years of mine closure.
25	of finalmine closure, for approval. The company shall comply with all the commitments made during public hearing	Adhering to the given condition we will strictly comply with all the commitments made during public hearing on 22 nd May, 2008.The
	on 22 nd May, 2008. B.GeneralCondition:	public hearing comments are enclosed as Annexure 14 .
1	The project authority shall adhere to the stipulations made by State Pollution Control Board (SPCB)and State Government.	Cement plant and all the mining operation are carried out with valid consent under air and water act issued by SPCB. The copy of consent is enclosed as Annexure-15 .
2	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry	Agreed, further expansion or modification will be carried only after obtaining the permission from Ministry.
3	At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ and NOx are anticipated in consultation with the SPCB.	Prescribed Nos. of stations has already been established and regular monitoring at these locations is being done.
4	Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office and SPCB /CPCB once in six months.	Complying with. Data on ambient air quality and stack emissions are being regularly submitted.
5	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422(E) dated 19 th May,1993 and 31 st December,1993 or as amended from time to time. The treated waste water shall be utilized for plantation purpose.	No industrial wastewater is generated as the cement plant is operated on dry process. For domestic wastewater, there is a sewagetreatment plant with capacity of 600 KLD. Image: the sewagetreatment plant with capacity of 600 KLD. Contaminated water generated due to washing of equipment is
		passed though oil and grease separation tankers. For separation of oil and grease particles fromwater, prime mover has been provided.

		WATER
		STP treated water analysis report is enclosed as Annexure 5 (b). Mines workshop treated water Analysis Report is enclosed as
		Annexure- 16
6	The overall noise levels in and around the plant area shall be kept well within the standards [85 dB(A)] by providing noise control measures including acoustic	The overall noise level is within threshold limit of 85dB(A). To arrest the noise levels all equipment are equipped with acoustic hoods, silencer, enclosures etc. besides that operators havebeen provided with PPE.
	hoods, silencers, enclosures etc. on all	Green belt is developed along the plant andmining area to minimize
	sources of noise generation.	the noise pollution.
	I ne ambient noise levels shall conform to	Ambient Noise levels are maintained well within the prescribed
	Environmental (Protection) Act 1086	Noise Monitoring report is enclosed as Appendix 4
	Rules,1989 viz. 75 dB(A) (day time) and 70 dB(A) (night time).	Noise monitoring report is chelosed as ninexure 4 .
7	Proper housekeeping and adequate	We have already conducted various health surveillance programs
	occupational health programs shall be	whose records are maintained properly. Also sweeping machine is
	taken up. Occupational Health	used for housekeeping and other preventive measures are adopted
	Surveillance programme shall be done on	during the plant and mining operation to avoid direct exposure to
	a regular basis and records for at least30-	dust etc.

	40 years. The programme shall include lung function and sputum analysis maintained properly tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc	Occupational Health Survey (OHS) a) Periodical Medical Examinations are conducted of each employee by outsidespecialists once in every 5 years.Under this scheme each employeeundergoes Pathological tests, blood grouptest, chest X-Rays, Audiometry tests, eyetest etc. once every 5 years. Proper recordsof such tests are maintained. Not a singlecase of any occupational disease has so farbeen detected in our mines/plant. – Samplemedical examination note is displayed. b) Welfare Amenities: A well-equipped Dispensary has beenprovided with Provision of Ambulance,Pathological Laboratory& X-Ray, andAudiometry etc. OHC has been conducted in November 2022 however the reports have not been received. The Purchase Order of the same is attached
7	The company shall undertake eco-	as Annexure 17 for reference. Various programs per training to eco development and community
	development measures including community welfare measures in the project area.	welfare has been taken up by the company. Various Social, educational, healthcare and environment initiative shave been taken by the company.
		Details of CSR Activities of year 2022-23are enclosed as Annexure 18.
8	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	Complying with We are strictly adhering with the Environment protection measures as stipulated in approved EMP ofmines. Environment Management measures adopted in Prism Johnson Limited:- 1. Air Pollution Control Measures i.e. bag house. ESP and bag
		filters installed at all process stack & transfer tower respectively.
		 Truck mounted road sweeping machine for fugitive emission control.
		3. CO ₂ abatement by the way of plantation.
		4. Limiting and minimization of hazardousmaterials and chemicals during manufacturing and zero disposal of hazardous waste within the boundaries
		 Fleet and route optimization for energy and fuel saving resulting in a reduction of the CO2 emission
		 6. Installation of Continuous Emission Monitoring System (CEMS) to monitor and analyze the flue gas emitting from
		the stack and other emission devices.
		7. Installation of bag filter, bag house and Electrostatic Precipitators (ESP) to prevent the emission of Particulate Matters.
		 Continuous and regular housekeeping of shop floor and premises to collect the waste generated and put back that
		waste back into a process which is to target circular
		economy. Zero waste has been generated through processing; all waste is reused for manufacturing.

		9. Rigid pavements have been constructed within the plant and in the vicinity of plant for the transportation of the
		 fleets. 10. Carbon sinks have been made; plantation have been done in the periphery of the establishment under to absorb the CO2 emitted and to become a carbon neutral. 11. In house Sewage Treatment Plant (STP) of the capacity of 600KLD has been in operation from (1996) and the no all treated water is used in nursery and in manufacturing operations especially for cooling purposes. 12. Various AFRs likecarbon black and plastic waste have been used to as a fuel to avoid disposal of the waste. 13. Natural STP has been set up to reuse the leaked or spilled water during the operations and the treated water is used for gardening purposes. 14. All the water pipelines are reviewed and maintained on a regular basis. Leaked taps have been replaced immediately which resulted in saving water resources. 15. Mist Cannons are used to prevent the fugitive emissions
		 occurred during the operations. 16. Installation of Waste Heat Recovery System (WHRS) and Selective Non-Catalytic Reduction (SNCR) has been carrying out to reduce the impact of CO2& Nox on the environment respectively. 17. Solar Panels of capacity 22.5 MW is being installed to reduce the power requirement of plant from MPEB.
9	Environmental Management Cell has to be established to carry out functions relating to environmental management action plans. The head of the cell should directly report to the Chief Executive	Environmental Management Cell is functioning effectively, Structure of which is enclosed as Annexure 19 .
10	The capital cost and recurring cost annum earmarked for environmental protection equipment shall be Rs. 115 Croresand Rs.3.20 Crores to implement the	Complying with the condition, the capital cost and the recurring cost earmarked for environmental protection are not diverted for any otherpurpose.
	conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	Year Wise Recurring Expenditure for Environmental Management is enclosed as Annexure 20.
11	The Regional Office of this Ministry / CPCB / SPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	Agreed. Full cooperation shall be extended to the officer(s) of the Regional Officer in furnishing the requisite data/ information/ monitoring reports.

	A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	Six monthly compliance report and the monitored data is being submitted to Regional Office of the Ministry / CPCB / SPCB regularly. Last compliance report was submitted vide letter no. PJL/ENV/2022/505 dated 01.06.22.	
12	The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	The copy of the intimation of the financial closure Of the project is enclosed as Annexure-21.	
13	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests. No change in the calendar plan including excavation, quantum of limestone and waste shall be made.	Agreed. No change in mining technology and scope of working will be made without prior approval of the Ministry of Environment & Forests.	
14	Measures should be taken for control of noise levels below 85dB (A) in the work environment. Workers engaged in operations of HEMM etc. should be provided with ear plugs/muffs.	Noise monitoring is carried out on regular basis so as to comply with the prescribed norms. Workers and employees are provided with earmuffs and necessary PPE's.	
15	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E)dated19thMay, 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	 d No industrial wastewater is generated as the cement plant is operated on dry process. o d For domestic wastewater, there is a sewage treatment plant of the state-of -art technology. Ithas the capacity to treat domestic wastewater of 600 KLPD. p of Contaminated water generated due to washing of equipment is passed though grease and oil traptank having separation chambers and pumpingarrangement. For separation of oil and greaseparticles from water, prime mover has beenprovided. The oil and grease is skimmed and kept tin sealed barrels for further disposal to 	
16	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	Personal protective Equipment's are being provided to the workers and they are given adequate training and information regarding safety and health aspects related to the kind of job they are engaged in. Regular Health check-up program is conducted is done for the workers.	
17	The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	The copy of the intimation of the financial closureof the project is enclosed as Annexure-21.	
18	A copy of clearance letter will be marked	Complied.	

	to concerned Panchayat / local NGO, if any, from whom suggestion / representation, if any, was received while processing the proposal.	
19	State pollution control board should display a copy of the clearance letter at the Regional Office, District Industry Centre &Collector's office/ Tehsildar's office for 30 days.	Conditional Not applicable.
20	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the localityconcerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at "http://envfor.nic.in" and a copy of the same shall be forwarded to the Regional Office of this Ministry.	Complied. The advertisement regarding issuance of Environment clearance and the copy of same is available at State Pollution Control Board and also at web site of the Ministry of Environment and Forests at "http://envfor.nic.in" was given in two newspapers i.e.Navswadesh and DeshBandhu on 25.09.2008. Copy of advertisement is enclosed as Annexure 22.



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E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/12
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AS/0522/4186/09/2022
NAME & ADDRESS OF	Village – Mankahari,		
CUSTOMER:	Tehsil- Rampur, Baghelan,	Issue Date of Test Report	24.09.2022
	District Satna (M.P.)		
Type of Sample	Stack Emission		
Sample Registration No.	522	Name of Location	Cement Mill -2 Unit II
Sampling Method	IS-11255	Sample Collected By	ELPL Representative
Data of Sample Collection	13.09.2022	Time of Sample	12 15 DM
Date of Sample Conection		Collection	12.151.00
Date of Sample Receipt	14.09.2022	Time of Sample Receipt	11: AM
Start Date of Analysis	14.09.2022	End Date of Analysis	24.09.2022
Weather Condition	Sunny	Sampling Duration	45 min.
Environmental Condition	Temperature: 25 ± 2 °C	Sample ID Code	ECO/LAB/4186/09/2022
Environmental Condition	Humidity: 68 %		
Instrument Name & Lab ID	Stack Kit	ECO/AR/STACK/40 (Due of the second se	date of Cal:01.06.2023)

Stack Details			
l) Above the Ground Level(m)	49	A	20.0
I)Above the Platform(m) - Ambient Temperature (°C)			50.0
Material of Stack	MS	Stack Temperature (°C)	87.00
Stack Attached	Cement Mill-1 (Unit II)	Inside Diameter of Stack at sampling port (M)	1.00
Capacity of Stack	•	Cross Sectional Area of Stack (M ²)	0.785
Shape of Stack	Circular	Velocity of Flue Gas (m/sec.)	12.98
Type of Fuel used	-	Flow Rate of Flue Gas (Nm ³ /sec.)	10.18
Fuel Consumption (Lit/Hr.)	-	Pollution Control Unit	Bag House

S. No.	Tests Conducted	Method	Pollutant Concentration
1.0	Particulate Matter (PM) mg/Nm ³	IS 11255:Part 1:1985(Reaffirmed Year :2019)	25.40

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per MOEF/CC Guidelines.

NOTE:

I. Test results relate \0 the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

----End of Report----

Quality Manager

Authorized By

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Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI



TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/12
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AS/0522/4187/09/2022
NAME & ADDRESS OF	Village – Mankahari,		
CUSTOMER:	Tehsil- Rampur, Baghelan,	Issue Date of Test Report	24.09.2022
	District Satna (M.P.)	· · · · · · · · · · · · · · · · · · ·	
Type of Sample	Stack Emission		
Sample Registration No.	522	Name of Location	Cement Mill -1 Unit-I
Sampling Method	IS-11255	Sample Collected By	ELPL Representative
Data of Samula Collection	13.09.2022	Time of Sample	12.15 DM
Date of Sample Conection		Collection	12.13 F M
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	11: AM
Start Date of Analysis	15.09.2022	End Date of Analysis	24.09.2022
Weather Condition	Sunny	Sampling Duration	45 min.
Environmental Condition	Temperature: $25 \pm 2 ^{\circ}\text{C}$	Sample ID Code	ECO/LAB/4187/09/2022
Environmental Condition	Humidity: 68 %		
Instrument Name & Lab ID	Stack Kit	ECO/AR/STACK/40 (Due of	date of Cal:01.06.2023)

Stack Details				
l) Above the Ground Level(m)	36.00		20.60	
II)Above the Platform(m)	II)Above the Platform(m) - Ambient Temperature (°C)		29.00	
Material of Stack	MS	Stack Temperature (°C)	72.00	
Stack Attached	Cement Mill -1 Unit-I	Inside Diameter of Stack at sampling port (M)	0.96	
Capacity of Stack	-	Cross Sectional Area of Stack (M ²)	0.72	
Shape of Stack	Circular	Velocity of Flue Gas (m/sec.)	8.87	
Type of Fuel used	-	Flow Rate of Flue Gas (Nm ³ /sec.)	6.38	
Fuel Consumption (Lit/Hr.)	-	Pollution Control Unit	Bag House	

S. No.	Tests Conducted	Method	Pollutant Concentration
1.0	Particulate Matter (PM) mg/Nm ³	IS 11255:Part 1:1985(Reaffirmed Year :2019)	23.72

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per MOEF/CC Guidelines.

NOTE:

I. Test results relate \0 the items sampled & tested.

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3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

----End of Report----

Authorized By

Quality Manager

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Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282



E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

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TEST REPORT

FORMAT NO. ECO/QS/FORMAT/12

	Prism Johnson Ltd. Village – Mankahari, Tehsil- Rampur, Baghelan, District Satna (M.P.)	Test Report No.	ECO/LAB/AS/0522/4188/09/2022
NAME & ADDRESS OF CUSTOMER:		Issue Date of Test Report	24.09.2022
Type of Sample	Stack Emission		
Sample Registration No.	522	Name of Location	Cooler Unit-l
Sampling Method	18-11255	Sample Collected By	ELPL Representative
Date of Sample Collection	13.09.2022	Time of Sample Collection	12.15 PM
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	11: AM
Start Date of Analysis	15.09.2022	End Date of Analysis	24.09.2022
Weather Condition	Sunny	Sampling Duration	45 min.
Environmental Canditian	Temperature: $25 \pm 2 ^{\circ}C$	Sample ID Code	ECO/LAB/4188/09/2022
Environmental Condition	Humidity: 68 %		
Instrument Name & Lab ID	Stack Kit	ECO/AR/STACK/40 (Due date of Cal:01.06.2023)	

Stack Details			
I) Above the Ground Level(m) 50.0		Ambient Temperature (%C)	34.0
11)Above the Platform(m)	-	Autorent Temperature (C)	54.0
Material of Stack	MS	Stack Temperature (°C)	112.0
Stack Attached	Cooler Unit-I	Inside Diameter of Stack at sampling port (M)	4.50
Capacity of Stack	-	Cross Sectional Area of Stack (M ²)	15.89
Shape of Stack	Circular	Velocity of Flue Gas (m/sec.)	11.42
Type of Fuel used	-	Flow Rate of Flue Gas (Nm ³ /sec.)	181.46
Fuel Consumption (Lit/Hr.)		Pollution Control Unit	ESP

S. No.	Tests Conducted	Method	Pollutant Concentration
1.0	Particulate Matter (PM) mg/Nm ³	IS 11255:Part 1:1985(Reaffirmed Year :2019)	29.80

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per MOEF/CC Guidelines.

NOTE:

I. Test results relate \0 the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Reeng Quality Manager

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TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/12			
NAME & ADDDECC OF	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AS/0522/4189/09/2022			
CUSTOMER:	Tehsil- Rampur, Baghelan, District Satna (M.P.)	Issue Date of Test Report	24.09.2022			
Type of Sample	Stack Emission					
Sample Registration No.	522	Name of Location	Kiln/Raw Mill Unit-I			
Sampling Method	IS-11255	Sample Collected By	ELPL Representative			
Date of Sample Collection	13.09.2022	Time of Sample Collection	12.15 PM			
Date of Sample Receipt	14.09.2022	Time of Sample Receipt	11: AM			
Start Date of Analysis	15.09.2022	End Date of Analysis	24.09.2022			
Weather Condition	Sunny	Sampling Duration	54 min.			
Environmental Condition	Temperature: $25 \pm 2 ^{\circ}\text{C}$	Sample ID Code	ECO/LAB/4189/09/2022			
Environmental Condition	Humidity: 68 %					
Instrument Name & Lab ID	Stack Kit	ECO/AR/STACK/40 (Due date of Cal:01.06.2023)				

Stack Details				
1) Above the Ground Level(m)	100.0	Ambiant Tamparatura (9C)	28.0	
II)Above the Platform(m)	-	Ambient Temperature (C)	20.0	
Material of Stack	MS	Stack Temperature (°C)	114.0	
Stack Attached	Kiln/Raw Mill Unit-1	Inside Diameter of Stack at sampling port (M)	4.75	
Capacity of Stack	-	Cross Sectional Area of Stack (M ²)	17.71	
Shape of Stack	Circular	Velocity of Flue Gas (m/sec.)	12.70	
Type of Fuel used	-	Flow Rate of Flue Gas (Nm ³ /sec.)	224.92	
Fuel Consumption (Lit/Hr.)	-	Pollution Control Unit	ESP	

S. No.	Tests Conducted	Method	Pollutant Concentration in (At 10% O ₂)
1.	Particulate Matter (PM)mg/Nm ³	IS 11255:Part 1:1985(Reaffirmed Year : 2019)	26.34
2.	Sulphur Dioxide (SO ₂) mg/Nm ³	IS 11255:Part 2:1985 (Reaffirmed Year : 2019)	16.92
3.	Nitrogen Oxides (NOx) mg/ Nm ³	IS 11255:Part 7:2005 (Reaffirmed Year : 2017)	490.12

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per MOEF/CC Guidelines.

NOTE:

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- 2. Test report shall not be reproduced except in full without approval of the laboratory.
- 3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Ouality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 8-1/8. Sector-H, Aligani, Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024 Phone No. : 0522 - 4079201/2746282



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TEST REPORT

· · · · · · · · · · · · · · · · · · ·			FORMAT NO. ECO/QS/FORMAT/12			
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AS/0522/4190/09/2022			
NAME & ADDRESS OF CUSTOMER:	Village – Mankahari, Tehsil- Rampur, Baghelan, District Satna (M.P.)	Issue Date of Test Report	24.09.2022			
Type of Sample	Stack Emission					
Sample Registration No.	522	Name of Location	Coal Mill Unit-I			
Sampling Method	IS-11255	Sample Collected By	ELPL Representative			
Date of Sample Collection	13.09.2022	Time of Sample Collection	12.15 PM			
Date of Sample Receipt	14.09.2022	Time of Sample Receipt	H: AM			
Start Date of Analysis	15.09.2022	End Date of Analysis	24.09.2022			
Weather Condition	Sunny	Sampling Duration	45 min.			
Environmental Condition	Temperature: $25 \pm 2 \ ^{\circ}C$	Sample ID Code	ECO/LAB/4190/09/2022			
Environmental Condition	Humidity: 68 %					
Instrument Name & Lab ID	Stack Kit	ECO/AR/STACK/40 (Due date of Cal:01.06.2023)				

Stack Details			
I) Above the Ground Level(m) 65.0		Ambient Temperature (9C)	35.0
II)Above the Platform(m)	-	Amolent Temperature (°C)	55.0
Material of Stack	MS	Stack Temperature (°C)	70.0
Stack Attached	Coal Mill Unit-I	Inside Diameter of Stack at sampling port (M)	2.24
Capacity of Stack	-	Cross Sectional Area of Stack (M ²)	3.94
Shape of Stack	Circular	Velocity of Flue Gas (m/sec.)	8.79
Type of Fuel used	-	Flow Rate of Flue Gas (Nm ³ /sec.)	34.64
Fuel Consumption (Lit/Hr.)	-	Pollution Control Unit	Bag House

S. No.	Tests Conducted	Method	Pollutant Concentration
1.	Particulate Matter (PM) mg/Nm ³	1S 11255:Part 1:1985(Reaffirmed Year : 2019)	24.82

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per MOEF/CC Guidelines.

NOTE:

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3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Quality Manager

Authorized By

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Display showing Hazardous waste Authorisation and details

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Desktop showing AAQMS Monitoring data



Continuous Emission Monitoring System Panel











Plantation & Concrete roads







Water Sprinkling



Covered Conveyor Belt & Bag filters









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TEST REPORT

				FORMAT NO. ECO/QS/FORMAT/10			
NAME & ADDDESS OF	Prism Johnson Ltd.		Test Report No.	ECO/LAB/AA/0517/4102-4105/09/2022			
CUSTOMED	Village – Mankah	iari,					
COSTOMER.	Tehsil- Rampur, Baghelan,		Issue Date of Test Report	29.09.2022			
	District Satna (M.	.P.)					
Type of Sample	Ambient Air Sample						
Sample Registration No.	517		Name of Location	-			
Sampling Method	As per Reference Method		Sample Collected By	ELPL Representative			
Date of Sample Collection	12.09.2022 to 16.09.2022		Time of Sample Collection	9:30 AM			
Date of Sample Received	17.09.2022		Time of Sample Received	10.20 AM			
Start Date of Analysis	17.09.2022		End Date of Analysis	28.09.2022			
Weather Condition	Partially Cloudy		Sampling Duration	-			
Laboratory Environmental	Temperature:	25 ±2 °C	Sample ID Code	ECO/LAB/4102 4105/09/2022			
Condition	Humidity:	68 %	- Sample ID Code	LCO/LAB/4102-4105/09/2022			
	Instrument ID	Enviro Instrum	nent				
Details of Instrument used	first unem 1D	ECO/AR/FD/12	ECO/AR/FD/12 and ECO/AR/FD/16				
	Calibration due on	12.06.2023					

S. No.	Tests Conducted	Method	Near Stacker	Near Guest House	Near Crusher Unit-II	Near Admin. Building	Limit as per National Ambient Air Quality Standards
			12.09.2022	12.09.2022	12.09.2022	12.09.2022	Standarus
1.0	Particulate Matter (PM _{2.5}) (µg/m ³)	IS 5182:Part-24	28.62	32.70	38.84	29.12	60
2.0	Particulate Matter (PM ₁₀) (μg/m ³)	IS 5182: Part 23:2006 (Reaf Year:2017)	73.00	79.32	93.20	61.94	100
3.0	Sulphur Dioxide (SO ₂) (µg/m ³)	IS 5182: Part 2:2001 (Reaff Year:2017)	10.08	11.27	15.00	9.37	80
4.0	Oxides of Nitrogen (NOx) (µg/m ³)	IS 5182: Part 6:2006 (Reaff Year:2017)	14.28	18.20	23.40	15.12	80
5.0	CO (mg/m ³)	1S:5182 (Part-10)	0.38	0.40	0.58	0.43	02

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Note:

I. Test results relate to the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Quality Manager

----End of Report----

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E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI



An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

				FORMAT NO. ECO/QS/FORMAT/10			
NAME & ADDDESS OF	Prism Johnson Ltd.		Test Report No.	ECO/LAB/AA/0517/4105-4109/09/2022			
NAME & ADDRESS OF	Village – Mankah	iari,					
COSTOMER.	Tehsil- Rampur, Baghelan,		Issue Date of Test Report	29.09.2022			
	District Satna (M.	P.)					
Type of Sample	Ambient Air Sample						
Sample Registration No.	517		Name of Location				
Sampling Method	As per Reference Method		Sample Collected By	ELPL Representative			
Date of Sample Collection	12.09.2022 to 16.09.2022		Time of Sample Collection	10:05 AM			
Date of Sample Received	17.09.2022		Time of Sample Received	10.00 AM			
Start Date of Analysis	17.09.2022		End Date of Analysis	28.09.2022			
Weather Condition	Partially Cloudy		Sampling Duration	-			
Laboratory Environmental	Temperature:	25 ±2 °C	Sample ID Code	ECO/LAB/4105-4109/09/2022			
Condition	Humidity:	68 %	- Sample 1D Code	LCO/LAB/4103-4109/09/2022			
	Instrument ID	Enviro Instrun	nent				
Details of Instrument used		ECO/AR/FD/1	ECO/AR/FD/12 and ECO/AR/FD/16				
	Calibration due on	12.06.2023					

					ult	Limit os por	
S. No.	Tests Conducted	Method	Nr Mines Site Office	Nr Mines Near Western Site Office Block Garden		Sijahata Village	National Ambient Air Quality
			12.09.2022	12.09.2022	15.09.2022	13.09.2022	Standards
1.0	Particulate Matter (PM ₂ 5) (µg/m ³)	IS 5182:Part-24	41.59	33.16	27.52	29.70	60
2.0	Particulate Matter (PM ₁₀) (µg/m ³)	IS 5182: Part 23:2006 (Reaf Year:2017)	78.06	66.50	49.67	52.72	100
3.0	Sulphur Dioxide (SO ₂) (µg/m ³)	IS 5182: Part 2:2001 (Reaff Year:2017)	11.65	8.30	09.34	13.28	80
4,0	Oxides of Nitrogen (NOx) (μg/m³)	IS 5182: Part 6:2006 (Reaff Year:2017)	17.92	14.72	15.16	19.06	80
5.0	CO (mg/m³)	IS:5182 (Part-10)	0.48	0.37	0.32	0.40	02

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Note:

I. Test results relate to the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 3-1/8, Sector-H, Aliganj, Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024 Phone No. : 0522 - 4079201/2746282





An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

				FORMAT NO. ECO/QS/FORMAT/10		
	Prism Johnson Ltd. Village – Mankahari,		Test Report No.	ECO/LAB/AA/0517/4110-4113/09/2022		
CUSTOMED.						
CUSTOWER.	Tehsil- Rampur, Baghelan,		Issue Date of Test Report	29.09.2022		
	District Satna (M.P.)					
Type of Sample	Ambient Air Sample					
Sample Registration No.	517		Name of Location	-		
Sampling Method	As per Reference Method		Sample Collected By	ELPL Representative		
Date of Sample Collection	12.09.2022 to 16.09.2022		Time of Sample Collection	09:10 AM		
Date of Sample Received	17.09.2022		Time of Sample Received	10.55 AM		
Start Date of Analysis	17.09.2022		End Date of Analysis	28.09.2022		
Weather Condition	Partially Cloudy		Sampling Duration	-		
Laboratory Environmental	Temperature:	25 ±2 °C	Sample ID Cada	ECO/LAP/4110/4113/00/2022		
Condition	Humidity:	68 %	- Sample ID Code	ECO/LAB/4110-4113/09/2022		
	Instrument ID	Enviro Instrun	nent			
Details of Instrument used		ECO/AR/FD/12 and ECO/AR/FD/16				
	Calibration due on	12.06.2023				

S. No.	Tests Conducted	Method	Adiwasi Tola (Nr. Bagahai <u>ML</u> Area)	At Baisan Tola (Nr. Bagahai ML Area)	South Side of Working Pit (Bagahai Mines)	Near Boundary Pillar No.64 Bagahai	Limit as per National Ambient Air Quality Standards
			13.09.2022	13.09.2022	13.09.2022	13.09.2022	Standards
1.0	Particulate Matter (PM _{2.5}) (µg/m ³)	IS 5182:Part-24	25.60	32.56	45.66	37.10	60
2.0	Particulate Matter (PM ₁₀) (µg/m ³)	S 5182: Part 23:2006 (Reaf Year:2017)	45.82	52.48	68.27	71.27	100
3.0	Sulphur Dioxide (SO ₂) (µg/m ³)	IS 5182: Part 2:2001 (Reaff Year:2017)	9.60	11.26	16.23	13.19	80
4.0	Oxides of Nitrogen (NOx) (µg/m ³)	IS 5182: Part 6:2006 (Reaff Year:2017)	16.32	14.60	21.44	19.48	80
5.0	CO (mg/m ³)	IS:5182 (Part-10)	0.30	0.36	0.48	0.40	02

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Note:

I. Test results relate to the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 8-1/8, Sector-H, Aliganj, Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282



E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

				FORMAT NO. ECO/QS/FORMAT/10		
	Prism Johnson Lto	d. Test Report No.		ECO/LAB/AA/0517/4114-4117/09/2022		
NAME & ADDRESS OF	Village – Mankahari,					
CUSTOMER.	Tehsil- Rampur, Baghelan,		Issue Date of Test Report	29.09.2022		
	District Satna (M.P.)					
Type of Sample	Ambient Air Sample					
Sample Registration No.	517		Name of Location	-		
Sampling Method	As per Reference Method		Sample Collected By	ELPL Representative		
Date of Sample Collection	12.09.2022 to 16.09.2022		Time of Sample Collection	10:20 AM		
Date of Sample Received	17.09.2022		Time of Sample Received	10.40 AM		
Start Date of Analysis	17.09.2022		End Date of Analysis	28.09.2022		
Weather Condition	Partially Cloudy		Sampling Duration	-		
Laboratory Environmental	Temperature:	25 ±2 °C	Sample ID Code	ECO/LAB/4114-4117/09/2022		
Condition	Condition Humidity: 68 %		Sample ib Code			
	Instrument ID	Envirotech				
Details of Instrument used	instrument in	ECO/AR/FD/15 and ECO/AR/FD/16				
	Calibration due on	01.06.2023				

				T inside a second			
S. No.	Tests Conducted	Method	Village Chulhi (Mines 05)	Village Majhiyar (Mines 05)	Village Malgaon (Mines 05)	Village Hinauti (Mines 05)	National Ambient Air Quality
			13.09.2022	13.09.2022	13.09.2022	14.09.2022	Standards
1.0	Particulate Matter (PM _{2 5}) (µg/m ³)	IS 5182:Part-24	43.20	37.14	41.56	46.82	60
2.0	Particulate Matter (PM ₁₀) (µg/m ³)	IS 5182: Part 23: 2006 (Reaf Year:2017)	87.74	69.26	74.92	86.14	100
3.0	Sulphur Dioxide (SO ₂) (µg/m ³)	IS 5182: Part 2:2001 (Reaff Year:2017)	16.35	13.80	13.06	15.69	80
4.0	Oxides of Nitrogen (NOx) (μg/m³)	IS 5182: Part 6:2006 (Reaff Year:2017)	23.16	16.84	15.60	19.24	80
5.0	CO (mg/m³)	IS:5182 (Part-10)	0.59	0.42	0.39	0.43	02

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Note:

I. Test results relate to the items sampled & tested.

- 2. Test report shall not be reproduced except in full without approval of the laboratory.
- 3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 5-1/8, Sector-H, Aliganj, Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024 Phone No. : 0522 - 4079201/2746282



E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

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TEST REPORT

				FORMAT NO. ECO/QS/FORMAT/10		
NAME & ADDDESS OF	Prism Johnson Lto	d.	Test Report No.	ECO/LAB/AA/0517/4118-4121/09/2022		
CUSTOMED	Village – Mankah	ari,				
COSTOMER.	Tehsil- Rampur, Baghelan,		Issue Date of Test Report	29.09.2022		
	District Satna (M.P.)					
Type of Sample	Ambient Air Sample					
Sample Registration No.	517		Name of Location	-		
Sampling Method	As per Reference Method		Sample Collected By	ELPL Representative		
Date of Sample Collection	12.09.2022 to 16.09.2022		Time of Sample Collection	10:50 AM		
Date of Sample Received	17.09.2022		Time of Sample Received	10.45 AM		
Start Date of Analysis	17.09.2022		End Date of Analysis	28.09.2022		
Weather Condition	Partially Cloudy		Sampling Duration	-		
Laboratory Environmental	Temperature:	25 ±2 °C	Sample ID Code	ECO/LAB/4118 4121/09/2022		
Condition	Humidity:	68 %	Sample ID Code	LCO/LAB/4118-4121/09/2022		
	Instrument ID	Envirotech				
Details of Instrument used	instrument iD	ECO/AR/FD/15 and ECO/AR/FD/16				
	Calibration due on	01.06.2023				

S. No.	Tests Conducted	Method	Nr. Nar Nala Bridge	Nr. Medhi Mines Boundary Pillar No 28	Nr. Medhi Mines Boundary Pillar No.23 13.09.2022	Malgaon Village (Mines 03) 14.09.2022	Limit as per National Ambient Air Quality Standards
			13.09.2022	13.09.2022			
1.0	Particulate Matter (PM _{2.5}) (µg/m ³)	IS 5182:Part-24	23.19	30.56	27.87	29.16	60
2.0	Particulate Matter (PM ₁₀) (µg/m ³)	IS 5182: Part 23: 2006 (Reaf Year:2017)	57.42	66.16	63.14	57.27	100
3.0	Sulphur Dioxide (SO ₂) (µg/m ³)	IS 5182: Part 2:2001 (Reaff Year:2017)	10.34	8.72	13.06	11.83	80
4.0	Oxides of Nitrogen (NOx) (µg/m ³)	IS 5182: Part 6:2006 (Reaff Year:2017)	18.76	15.34	19.74	16.38	80
5.0	CO (mg/m ³)	IS:5182 (Part-10)	0.43	0.47	0.46	0.52	02

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines. **Note:**

I. Test results relate to the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Quality Manager

Ecomen Laboratories Pvt. 14d. Second Floor Hall, House No. 100, Sector-H, Aliganj, Lucknow-226024


ECOMEN LABORATORIES PVT. LTD.

Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024 Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI



An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

				FORMAT NO. ECO/QS/FORMAT/10		
NAME & ADDRESS OF	Prism Johnson Lte	d.	Test Report No.	ECO/LAB/AA/0517/4122-4125/09/2022		
CUSTOMER: Village – Mankah		nari,				
	Tehsil- Rampur, Baghelan,		Issue Date of Test Report	29.09.2022		
	District Satna (M.	.P.)				
Type of Sample	Ambient Air Sample					
Sample Registration No.	517		Name of Location	-		
Sampling Method	As per Reference Method		Sample Collected By	ELPL Representative		
Date of Sample Collection	12.09.2022 to 16.09.2022		Time of Sample Collection	11.00 AM		
Date of Sample Received	17.09.2022		Time of Sample Received	10.50 AM		
Start Date of Analysis	17.09.2022		End Date of Analysis	28.09.2022		
Weather Condition	Partially Cloudy		Sampling Duration	-		
Laboratory Environmental	Temperature:	25 ±2 °C	Sample ID Code	ECO/LAD/4122 4125/00/2022		
Condition	Humidity:	68 %	- Sample ID Code	ECO/EAD/4122-4123/09/2022		
	Instrument ID	Envirotech				
Details of Instrument used		ECO/AR/FD/	D/15 and ECO/AR/FD/16			
	Calibration due on	01.06.2023				

				Limit as par			
S. No.	Tests Conducted	Method	Badarkha Village	Hinauta Village (Mines 04)	Chulhi Village (Mines 04)	Kulhari Village	National Ambient Air Quality
			15.09.2022	15.09.2022	15.09.2022	15.09.2022	Standards
1.0	Particulate Matter (PM _{2.5}) (μg/m ³)	IS 5182:Part-24	25.72	28.18	23.42	26.50	60
2.0	Particulate Matter (PM ₁₀) (µg/m ³)	IS 5182: Part 23: 2006 (Reaf Year:2017)	51.67	53.94	47.28	53.69	100
3.0	Sulphur Dioxide (SO ₂) (µg/m ³)	IS 5182: Part 2:2001 (Reaff Year:2017)	8.20	10.35	11.47	13.60	80
4.0	Oxides of Nitrogen (NOx) (µg/m ³)	IS 5182: Part 6:2006 (Reaff Year:2017)	14.62	17.08	16.53	18.14	80
5.0	CO (mg/m ³)	IS:5182 (Part-10)	0.31	0.43	0.37	0.41	02

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Note:

I. Test results relate to the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Quality Manager

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----End of Report----

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E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

				FORMAT NO. ECO/QS/FORMA1/10
	Prism Johnson Lto	1.	Test Report No.	ECO/LAB/AA/0517/4104/09/2022
NAME & ADDRESS OF	Village – Mankah	ari,		
CUSTOMER:	Tehsil- Rampur, Baghelan,		Issue Date of Test Report	29.09.2022
District Satna (M.P.)		P.)	-	
Type of Sample	Ambient Air Sample		•	
Sample Registration No.	517		Name of Location	Near Crusher Unit-II
Sampling Method	As per Reference Method		Sample Collected By	ELPL Representative
Date of Sample Collection	12.09.2022 to 16.09.2022		Time of Sample Collection	9:30 AM
Date of Sample Received	17.09.2022		Time of Sample Received	10.20 AM
Start Date of Analysis	17.09.2022		End Date of Analysis	28.09.2022
Weather Condition	Partially Cloudy		Sampling Duration	-
Laboratory Environmental	Temperature:	25 ±2 °C	Sample ID Code	ECO/LAB/4104/09/2022
Condition	Humidity:	68 %		ECO/EAB/4104/09/2022
	Instrument ID	Enviro Instrume	nt	
Details of Instrument used		ECO/AR/FD/12		
	Calibration due on	12.06.2023		

S. No.	Tests Conducted	Method	Results	NAAQ Standards as per CPCB, New Delhi, Nov. 18 th , 2009
1.	$PM_{2.5} (\mu g/m^3)$	IS:5182 (Part-24)	38.84	60
2	$PM_{10}(\mu g/m^3)$	IS:5182 (Part-23)	93.20	100
3.	$SO_2(\mu g/m^3)$	IS:5182 (Part-2)	15.00	80
4	$NO_2(\mu g/m^3)$	IS:5182 (Part-6)	23.40	80
5.	$CO (mg/m^3)$	IS:5182 (Part-10)	0.58	04
6.	$Pb(\mu g/m^3)$	IS:5182(Part-22)	<1.0	1.0
7.	$C_6H_6 (\mu g/m^3)$	IS:5182(Part-11)	<5.0	05
8.	BaP (ng/m^3)	IS:5182(Part-12)	<1.0	01
9.	As (ng/m^3)	CPCB (Volume-I)	< 6.0	06
10.	Ni (ng/m^3)	IS:5182(Part-26)	<20.0	20
11.	$NH_3(\mu g/m^3)$	IS:5182(Part-25)	12.60	400
12.	$O_3 (\mu g/m^3)$	IS:5182(Part-9)	17.56	180

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines. **Note:**

I. Test results relate to the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 3-1/8, Sector-H, Aliganj, Lucknow-226024

----End of Report----

LES-CCL

ECH SERVICES - CEIVIRE FUR CALIBRAT

(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.) Email: lesccl307@gmail.com, lesccllab@gmail.com, Cell No. 9821735177, 9821735178 website: www.lesccllab.com



CALIBRATION CERTIFICATE

ULR No.	CC225322000000	4100F	Calib, Field - Fluid Flow		Page 1 of 2	
Certificate No.	LES-CCL/FF/PM/SC/1773				r uge r or z	
Calibration Date	04.09.2022	Suggested Date of Next Calibration 03			03.09.2023	
Customer Name :- Address :-	M/s Prism Johnson Limi (Cement Division: Unit - Village - Mankahari, P.O. Tehsil - Rampur Baghela	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111				
Reference :- S.R.F. No	2022/1595	Date :-	15.06.2022	Date of Issue:-	07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	Envirotech Instruments	APM - 550	723 - DTD - 2011 / 2100009 - 0/4/1

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration		
Make/Model	Honeywell / G1.6	Temperature (°C)	25 ± 10	
SI.No.	110121348	Relative Humidity (%)	45-75	
Cal. Range	16.67 lpm (±2%)	Baromatric Pressure (mmHg)	41.20	

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No. / ID.	No.	Traceability
1	LFE Gas Flow Calibrator	0.5 -50 lpm	3319 / LES-CCL	/R/4902	LES - CCL, Gr. Noida
2	Digital Stop Watch	10 Sec 59 min	LES-CCL/R/1	4510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration	Date		Valid Up to
1	LES-CCL/FF/RF/5090	23.07.2022			22.07.2023
2	LES-CCL/ET/SW/635	21.09.2021			20.09.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions c
- 3. This Certificate refers only to the particular item calibrated.
- 4 .This certificate shall not be reproduced, except in full without the written permisson of LES-CCL, Kasna, Greater Noida (U.P.)



Kasna

Ha

Authorized By

SHIVSHANKER SINGH (Chief Executive Officer)





ULR No.	CC2253220000004	100F	Page 2 of 2
Calibration Date	04.09.2022	Suggested Date of Next Calibration	03.09.2023
Certificate No.	LES-CCL/FF/PM/SC/1773		

05. Calibration Results for Flow of Dry Gas Meter

S.No.	Test meter (DUC)	Reference True		Error
	Measured Flow	flow rate		(%)
	(lpm)	(lpm)		
1	16.59	16.524		0.399
2	16.58	16.536		0.266
3	16.44	16.544		-0.629
4	16.63	16.562		0.411
5	16.56	16.529		0.188
	Type A standard Uncertainty for repeated data (1-5)	± 0.0003	lpm	
	Expanded uncertainty in Actual fl	ow		
	measurement, U (<i>k</i> =2)	± 0.0496	lpm	± 5.72 % Rdg
<u>Note:-</u>	Final Readings of Dry Gas Me	ter at the end of Calibra	tion: 529.454	<u>m³</u>
Uncertainty	Contributing factor :-			
1. Repeatabili	ity (based on five measurement)			
2.Uncertainty	of master instruments			
3.Uncertainty	due to resolution of DUC			
The evaluated	d Expanded Uncertainty in calibration	h at a coverage factor $k = 2$,		
for degrees of	t freedom =∞ and confidence level is	95 % for Normal distribution		halan Diatt October 405444
Notos :-	Place: Calibration Done at M/S Pris	m Johnson Limited Tensii	- Rampur Bag	neian, Distt. Satha - 485111
1. Reference	used are directly traceable to nation	al standard through	Calibration	Authorized By
2 Reculto rec	main or calibration.	dor the stated condition	Noida B	
2. Results rep	cate refers only to the particular itom		in Noida ato	Sound
4 This certific	cate shall not be reproduced, except	in full without the wr	× ×	SHIVSHANKER SINGH
permissor	permisson of LES-CCL, Kasna, Greater Noida (U.P.)			(Chief Executive Officer)



(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.) Email: lesccl307@gmail.com, lesccllab@gmail.com, Cell No. 9821735177, 9821735178 website: www.lesccllab.com



CALIBRATION CERTIFICATE

ULR	No.	CC22532200000410)1F	Calib. Field - Electro-Technical		Page 1 of 1
Certifica	te No.	LES-CCL/ET/TT/4038				Tage FOFT
Calibratio	on Date	05.09.2022	Sug	gested Date of	Next Calibration	04.09.2023
Customer Name	e :-	M/s Prism Johnson Limited	ł			
Address :-		(Cement Division: Unit - II)				
		Village - Mankahari, P.O. B	athia,			
		Tehsil - Rampur Baghelan,	Distt. Satna - 48	5111		
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	Envirotech Instruments	APM - 550	724 - DTC - 2011 / 2100008 - 0/4/2

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration		
SI.No.	T - 724	Temperature (°C)	25 ± 3	
Make	CE Germany	Relative Humidity (%)	45 - 75	
		B. Pressure (mmHg)	741.40	

03. Standard Equipment used for calibration

Standard Equipment Name Range		SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate N	lo.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 137.49 hrs)	15.0046	-0.03	± 2.30897 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .
- 2. Results reported are valid at the time of and under the stated conditions of measurem
- 3. This Certificate refers only to the particular item calibrated.
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- permisson of LES-CCL.Kasna, Greater Noida (U.P.)

Calibr å Gr. Noida Kasna

Authorized By

tha SHIVSHANKER SINGH (Chief Executive Officer)

LES-CCL

ECH SERVICES - CEIVIRE FUR CALIBRAT

(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.) Email: lesccl307@gmail.com, lesccllab@gmail.com, Cell No. 9821735177, 9821735178 website: www.lesccllab.com



CALIBRATION CERTIFICATE

ULR No.	CC225322000000	4098F	Calib. Field - Fluid Flow		Page 1 of 2
Certificate No.	LES-CCL/FF/PM/SC/1760				ruge rorz
Calibration Date	04.09.2022		Suggested Date	of Next Calibration	03.09.2023
Customer Name :- Address :-	M/s Prism Johnson Limi (Cement Division: Unit - Village - Mankahari, P.O. Tehsil - Rampur Baghela	ted II) Bathia, n, Distt. \$	Satna - 485111		
Reference :- S.R.F. No	2022/1595	Date :-	15.06.2022	Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	Envirotech Instruments	APM - 550	723 - DTD - 2011 / 2100009 - 0/4/1

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration		
Make/Model	Honeywell / G1.6	Temperature (°C)	25 ± 10	
SI.No.	110121361	Relative Humidity (%)	45-75	
Cal. Range	16.67 lpm (±2%)	Baromatric Pressure (mmHg)	41.20	

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No. / ID.	No.	Traceability
1	LFE Gas Flow Calibrator	0.5 -50 lpm	3319 / LES-CCL/R/4902		LES - CCL, Gr. Noida
2	Digital Stop Watch	10 Sec 59 min	LES-CCL/R/1	4510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date			Valid Up to
1	LES-CCL/FF/RF/5090	23.07.2022			22.07.2023
2	LES-CCL/ET/SW/635	21.09.2021			20.09.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions c
- 3. This Certificate refers only to the particular item calibrated.
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Authorized By

SHIVSHANKER SINGH (Chief Executive Officer)





ULR No.	CC225322000004	098F	Page 2 of 2
Calibration Date	04.09.2022	Suggested Date of Next Calibration	03.09.2023
Certificate No.	LES-CCL/FF/PM/SC/1760		

05. Calibration Results for Flow of Dry Gas Meter

S.No.	Test meter (DUC)	Reference T	rue	Error
	Measured Flow	flow rate		(%)
	(lpm)	(lpm)		
1	16.78	16.724		0.335
2	16.78	16.735		0.269
3	16.84	16.748		0.549
4	16.83	16.752		0.466
5	16.76	16.768		-0.048
	Type A standard Uncertainty			
	for repeated data (1-5)	± 0.0004	lpm	
	Expanded uncertainty in Actual f	OW		
	measurement. U ($k=2$)	+ 0.0503	Inm	+ 5.72 % Rda
			ľ	
Note:-	Final Readings of Dry Gas Me	eter at the end of Calibra	tion: 976.116	<u>2 m³</u>
Uncertainty	Contributing factor :-			
1. Repeatabil	ity (based on five measurement)			
2.Uncertainty	of master instruments			
3.Uncertainty	due to resolution of DUC			
The evaluated	d Expanded Uncertainty in calibration	h at a coverage factor $k = 2$,	,	
for degrees of	f freedom =∞ and confidence level is	95 % for Normal distribution	1.	
Calibration F	Place: Calibration Done at M/s Pris	m Johnson Limited Tehsil	- Rampur Bag	helan, Distt. Satna - 485111
1 Reference	used are directly traceable to nation	al standard through	Calibrati	Authorized By
unbroken c	the set are directly traceable to hatton		enon-	
2. Results rer	ported are valid at the time of and un	(tila		
3. This Certifi	cate refers only to the particular item	Dat		
4 .This certific	cate shall not be reproduced. except	in full without the wr	Kanna *	SHIVSHANKER SINGH
permisso	permisson of LES-CCL, Kasna, Greater Noida (U.P.)			(Chief Executive Officer)



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K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.) Email: lesccl307@gmail.com, lesccllab@gmail.com, Cell No. 9821735177, 9821735178 website: www.lesccllab.com



CALIBRATION CERTIFICATE

ULR N	lo.	CC22532200000409	9F	Calib. Field - Electro-Technical		Page 1 of 1	
Certificate	e No.	LES-CCL/ET/TT/4037					
Calibration	n Date	05.09.2022	Sug	gested Date of	Next Calibration	04.09.2023	
Customer Name	:-	M/s Prism Johnson Limited					
Address :-		(Cement Division: Unit - II)					
		Village - Mankahari, P.O. Ba	athia,				
		Tehsil - Rampur Baghelan,	Distt. Satna - 48	5111			
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	Envirotech Instruments	APM - 550	723 - DTD - 2011 / 2100009 - 0/4/1

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration		
SI.No.	T - 723	Temperature (°C)	25 ± 3	
Make	CE Germany	Relative Humidity (%)	45 - 75	
		B. Pressure (mmHg)	741.40	

03. Standard Equipment used for calibration

Standard Equipment Name Range		SI.No./ID.No.	Traceability
Digital Automatic Timer 10 Sec - 4 hrs		LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate No.		Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 1245.33 hrs)	15.0046	-0.03	± 2.30897 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurem

3. This Certificate refers only to the particular item calibrated.

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Calibr å Gr. Noida Kasna

Authorized By

tha SHIVSHANKER SINGH (Chief Executive Officer)





ULR No.	CC2253220000004	102F	Page 2 of 2
Calibration Date	04.09.2022	Suggested Date of Next Calibration	03.09.2023
Certificate No.	LES-CCL/FF/PM/SC/1774		

05. Calibration Results for Flow of Dry Gas Meter

S.No.	Test meter (DUC)	Reference T	rue	Error
	Measured Flow	flow rate		(%)
	(lpm)	(lpm)		
1	16.86	16.625		1.414
2	16.85	16.648		1.213
3	16.91	16.652		1.549
4	16.90	16.636		1.587
5	16.82	16.672		0.888
	Type A standard Uncertainty for repeated data (1-5)	± 0.0004	lpm	
	Expanded uncertainty in Actual fi measurement, U (<i>k</i> =2)	ow ± 0.0500	lpm	± 5.72 % Rdg
Note:-	Final Readings of Dry Gas Me	ter at the end of Calibra	tion: 1179.30	<u>014 m³</u>
Uncertaintv	Contributing factor :-			
1. Repeatabil	ity (based on five measurement)			
2.Uncertainty	of master instruments			
3.Uncertainty	due to resolution of DUC			
The evaluated	d Expanded Uncertainty in calibration	n at a coverage factor $k = 2$,		
for degrees of	f freedom =∞ and confidence level is	95 % for Normal distribution	1.	
Calibration F	Place: Calibration Done at M/s Pris	m Johnson Limited Tehsil	- Rampur Bag	ghelan, Distt. Satna - 485111
Notes :-			Calibra	Authorized By
1. Reference	used are directly traceable to nation	al standard through	allion	
2 Results ren	ported are valid at the time of and un	der the stated condit	r Noida	(the
3. This Certifi	cate refers only to the particular item	calibrated.	a la	South
4 .This certific permissor	cate shall not be reproduced, except n of LES-CCL, Kasna, Greater Noid	in full without the wr a (U.P.)	SHIVSHANKER SINGH (Chief Executive Officer)	

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CALIBRATION CERTIFICATE

ULR No.	CC225322000000	4102F	Calib, Field - Fluid Flow		Page 1 of 2	
Certificate No.	LES-CCL/FF/PM/SC/1774			Callb. Tield - Tidid Tiow		
Calibration Date	04.09.2022 Suggested Date of Next Calibration 0		03.09.2023			
Customer Name :- Address :-	M/s Prism Johnson Limi (Cement Division: Unit - Village - Mankahari, P.O. Tehsil - Rampur Baghela	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111				
Reference :- S.R.F. No	2022/1595	Date :-	15.06.2022	Date of Issue:-	07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	Envirotech Instruments	APM - 550	721 - DTD - 2011 / 2100009 - 0/4/3

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration		
Make/Model	Itron / G1.6	Temperature (°C)	25 ± 10	
SI.No.	110121362	Relative Humidity (%)	45-75	
Cal. Range	16.67 lpm (±2%)	Baromatric Pressure (mmHg)	41.20	

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No. / ID.No.		Traceability
1	LFE Gas Flow Calibrator	0.5 -50 lpm 3319 / LES-CCL/R/49		/R/4902	LES - CCL, Gr. Noida
2	Digital Stop Watch	10 Sec 59 min LES-CCL/R/1		4510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date			Valid Up to
1	LES-CCL/FF/RF/5090	23.07.202	22	22.07.2023	
2	LES-CCL/ET/SW/635	21.09.2021			20.09.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions c
- 3. This Certificate refers only to the particular item calibrated.
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Kasna

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Authorized By

SHIVSHANKER SINGH (Chief Executive Officer)



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CALIBRATION CERTIFICATE

ULR	No.	CC22532200000410	3F	Calib. Field - Electro-Technical Page 1		Page 1 of 1
Certificat	e No.	LES-CCL/ET/TT/4039				ragerori
Calibration	n Date	05.09.2022	Sug	gested Date of	Next Calibration	04.09.2023
Customer Name	:-	M/s Prism Johnson Limited				
Address :-		(Cement Division: Unit - II)				
		Village - Mankahari, P.O. Ba	athia,			
		Tehsil - Rampur Baghelan,	Distt. Satna - 48	5111		
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	Envirotech Instruments	APM - 550	721 - DTD - 2011 / 2100009 - 0/4/3

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration		
SI.No.	T - 721	Temperature (°C)	25 ± 3	
Make	CE Germany	Relative Humidity (%)	45 - 75	
		B. Pressure (mmHg)	741.40	

03. Standard Equipment used for calibration

Standard Equipment Name Range		SI.No./ID.No.	Traceability
Digital Automatic Timer 10 Sec - 4 hrs		LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate No.		Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (<i>k</i> =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 937.26 hrs)	15.0046	-0.03	± 2.30897 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurem

3. This Certificate refers only to the particular item calibrated.

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Calibr å Gr. Noida Kasna

Authorized By

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CALIBRATION CERTIFICATE

ULR No.	CC225322000000	C2253220000004104F		d - Eluid Elow	Page 1 of 2
Certificate No.	LES-CCL/FF/PM/SC/1775				ruge rorz
Calibration Date	04.09.2022		Suggested Date of Next Calibration 03.09.2		
Customer Name :- Address :-	M/s Prism Johnson Limi (Cement Division: Unit - Village - Mankahari, P.O. Tehsil - Rampur Baghela	ted II) Bathia, ın, Distt. S	Satna - 485111		
Reference :- S.R.F. No	2022/1595	Date :-	15.06.2022	Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.NO.
Fine Particulate Sampler	Envirotech Instruments	APM - 550	722 - DTD - 2011 / 2100009 - 0/4/4

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration		
Make/Model	Itron / G1.6	Temperature (°C)	25 ± 10	
SI.No.	110121364	Relative Humidity (%)	45-75	
Cal. Range	16.67 lpm (±2%)	Baromatric Pressure (mmHg)	41.20	

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No. / ID.No.		Traceability
1	LFE Gas Flow Calibrator	0.5 -50 lpm	3319 / LES-CCL/R/4902		LES - CCL, Gr. Noida
2	Digital Stop Watch	10 Sec 59 min	LES-CCL/R/1	4510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date			Valid Up to
1	LES-CCL/FF/RF/5090	23.07.2022			22.07.2023
2	LES-CCL/ET/SW/635	21.09.2021			20.09.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- 2. Results reported are valid at the time of and under the stated conditions c 3. This Certificate refers only to the particular item calibrated.
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ULR No.	CC2253220000004	104F	Page 2 of 2
Calibration Date	04.09.2022	Suggested Date of Next Calibration	03.09.2023
Certificate No.	LES-CCL/FF/PM/SC/1775		

05. Calibration Results for Flow of Dry Gas Meter

S.No.	Test meter (DUC) Measured Flow	Reference Tr flow rate	ue	Error (%)
	(Ipm)	(Ipm)		
1	16.77	16.624		0.878
2	16.78	16.645		0.811
3	16.84	16.671		1.014
4	16.83	16.685		0.869
5	16.76	16.618		0.854
	Type A standard Uncertainty for repeated data (1-5)	± 0.0007	lpm	
	Expanded uncertainty in Actual f	ow		
	measurement, $O(k=2)$	± 0.0500	ipm	± 5.72 % Rdg
Note:-	Final Readings of Dry Gas Me	ter at the end of Calibra	tion: 664.141	<u>0 m³</u>
Uncertainty	Contributing factor :-			
1. Repeatabili	ity (based on five measurement)			
2.Uncertainty	of master instruments			
3.Uncertainty	due to resolution of DUC			
The evaluated	d Expanded Uncertainty in calibration	h at a coverage factor $k = 2$,		
for degrees of	f freedom =∞ and confidence level is	95 % for Normal distribution		
Calibration P	Place: Calibration Done at M/s Pris	m Johnson Limited Tehsil	- Rampur Bagl	nelan, Distt. Satna - 485111
Notes :-	and any distant to see the terms of the		Calibra	Authorized By
1. Reference	used are directly traceable to nation	al standard through	alion	
2. Results reported are valid at the time of and under the stated condit				(utla
3. This Certifi	cate refers only to the particular item	calibrated.) je	Don
4 .This certific	cate shall not be reproduced, except	in full without the wr	Kasna *	SHIVSHANKER SINGH
permissor	n of LES-CCL, Kasna, Greater Noid	a (U.P.)	in a straight straigh	(Chief Executive Officer)



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CALIBRATION CERTIFICATE

ULR N	lo.	CC22532200000410	5F	-Calib. Field - Electro-Technical		Page 1 of 1	
Certificate	e No.	LES-CCL/ET/TT/4040					
Calibration	Date	05.09.2022	Sug	gested Date of	Next Calibration	04.09.2023	
Customer Name	:-	M/s Prism Johnson Limited					
Address :-		(Cement Division: Unit - II)					
		Village - Mankahari, P.O. Ba	athia,				
		Tehsil - Rampur Baghelan,	Distt. Satna - 48	5111			
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	Envirotech Instruments	APM - 550	722 - DTD - 2011 / 2100009 - 0/4/4

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration			
SI.No.	T - 722	Temperature (°C)	25 ± 3		
Make	CE Germany	Relative Humidity (%)	45 - 75		
		B. Pressure (mmHg)	741.40		

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate N	lo.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (<i>k</i> =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 1254.64 hrs)	15.0040	-0.03	± 2.30907 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .
- 2. Results reported are valid at the time of and under the stated conditions of measurem
- 3. This Certificate refers only to the particular item calibrated.
- 4 .This certificate shall not be reproduced, except in full without the written
- permisson of LES-CCL.Kasna, Greater Noida (U.P.)

Calibr å Gr. Noida Kasna

Authorized By

tla SHIVSHANKER SINGH (Chief Executive Officer)



K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.) Email: lesccl307@gmail.com, lesccllab@gmail.com, Cell No. 9821735177, 9821735178 website: www.lesccllab.com



CALIBRATION CERTIFICATE

ULR No.	CC22532200000	4107F	Calib. Field - Fluid Flow Page 1 of 2 Suggested Date of Next Calibration 03.09.2023		Page 1 of 2
Certificate No.	LES-CCL/FF/RF/SC/538	39			
Calibration Date	04.09.2022	Su			03.09.2023
Customer Name :- Address :-	M/s Prism Johnson Lir (Cement Division: Unit Village - Mankahari, P. Tehsil - Rampur Baghe	nited ∷ - II) O. Bathia, elan, Distt. Sa	tna - 485111		
Reference :- S.R.F. No	2022/1595	Date :-	15.06.2022	Date of Issue:	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	THERMO	TEI - 121	217 - TEI - 21

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration		
SI.No	M20105	Temperature (°C)	25 ± 10	
Resolution	1.0 lpm	Relative Humidity (%)	45-75	
Cal. Range	16.67 lpm (±2 %)	Baromatric Pressure (mmHg)	741.50	

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID. No.		SI.No. / ID. No.		Traceability
LFE GAS FLOW CALIBRATOR	0.5 -50 lpm	3319 LES-CCL/R/4902		LES-CCL, Gr. Noida		
Certificate No.	Calibration Date			Valid Up to		
LES-CCL/FF/RF/5090	23.07.2022			22.07.2023		

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2. The Flowrate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .
- 2. Results reported are valid at the time of and under the stated conditions of measurement
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ULR No.	CC225322000004107F		Page 2 of 2
Calibration Date	04.09.2022	Suggested Date of Next Calibration	03.09.2023
Certificate No.	LES-CCL/FF/RF/SC/5389		

05. Calibration Results for Flow of Rotameter

S.No.	Test meter (DUC)	Reference T	ue	Error	Calibration
	Measured Flow	flow rate		(%)	Factor
	(lpm)	(lpm)			
1	16.7	16.528		1.041	0.990
2	16.7	16.546		0.931	0.991
3	16.7	16.564		0.821	0.992
4	16.7	16.521		1.083	0.989
5	16.7	16.534		1.004	0.990
	for repeated data (1-5) Expanded uncertainty in Actual flow	± 0.0076	lpm		
	measurement, $O(k=2)$	± 0.0934	ipm	± 5.72 % Rug	
Uncerta	ainty Contributing factor :-				
1. Repea	atability (based on five measurement)				
2.Uncert	ainty of master instruments				
3.Uncert	ainty due to resolution of DUC				
The eval	uated Expanded Uncertainty in calibration at	a coverage factor $k = 2$,			
for degre	ees of freedom =∞ and confidence level is 95	% for Normal distribution.			
Notes	:-				Authorized Py
1. Refere	ence used are directly traceable to national st	andard through		Calibrati	Authorized By

unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurement

3. This Certificate refers only to the particular item calibrated.

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CALIBRATION CERTIFICATE

ULR No.	CC225322000000	4106F	Calib Field - Fluid Flow		Page 1 of 2
Certificate No.	LES-CCL/FF/PM/SC/1776		Galib. Tici		r age r or z
Calibration Date	04.09.2022	Suggested Date of Next Calibration 03.09.2023			03.09.2023
Customer Name :- Address :-	M/s Prism Johnson Limi (Cement Division: Unit - Village - Mankahari, P.O. Tehsil - Rampur Baghela	ted II) Bathia, ın, Distt. S	Satna - 485111		
Reference :- S.R.F. No	2022/1595	Date :- 15.06.2022 Date of Issue:- 07.09.202		07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	THERMO	TEI - 121	217 - TEI - 21 / 20010 - 0/2/1

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration		
Make/Model	Honeywell / G1.6	Temperature (°C)	25 ± 10	
SI.No.	1807079685	Relative Humidity (%)	45-75	
Cal. Range	16.67 lpm (±2%)	Baromatric Pressure (mmHg)	741.20	

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No. / ID.	No.	Traceability
1	LFE Gas Flow Calibrator	0.5 -50 lpm	3319 / LES-CCL/R/4902		LES - CCL, Gr. Noida
2	Digital Stop Watch	10 Sec 59 min	LES-CCL/R/1	4510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date			Valid Up to
1	LES-CCL/FF/RF/5090	23.07.2022			22.07.2023
2	LES-CCL/ET/SW/635	21.09.2021			20.09.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- 2. Results reported are valid at the time of and under the stated conditions c 3. This Certificate refers only to the particular item calibrated.
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SHIVSHANKER SINGH (Chief Executive Officer)





ULR No.	CC2253220000004	106F	Page 2 of 2
Calibration Date	04.09.2022	Suggested Date of Next Calibration	03.09.2023
Certificate No.	LES-CCL/FF/PM/SC/1776		

05. Calibration Results for Flow of Dry Gas Meter

S.No.	Test meter (DUC)	Reference T	rue	Error
	Measured Flow	flow rate		(%)
	(lpm)	(lpm)		
1	16.49	16.321		1.035
2	16.50	16.348		0.930
3	16.58	16.365		1.314
4	16.58	16.385		1.190
5	16.52	16.356		1.003
	Type A standard Uncertainty for repeated data (1-5)	± 0.0099	lpm	
	Expanded uncertainty in Actual f	low		
	measurement, U (k=2)	± 0.8828	lpm	± 5.72 % Rdg
<u>Note:-</u>	Final Readings of Dry Gas Me	eter at the end of Calibra	<u>tion: 12.6544</u>	<u>4 m³</u>
Uncertainty	Contributing factor :-			
2 Uncertainty	of master instruments			
3.Uncertainty	due to resolution of DUC			
The evaluated	d Expanded Uncertainty in calibration	n at a coverage factor $k = 2$,		
for degrees of	f freedom =∞ and confidence level is	95 % for Normal distribution	I.	
Calibration F	Place: Calibration Done at M/s Pris	m Johnson Limited Tehsil	- Rampur Bag	helan, Distt. Satna - 485111
Notes :-				Authorized By
unbroken c	hain of calibration .			
2. Results reported are valid at the time of and under the stated condit				Coutla
3. This Certifi	cate refers only to the particular item	6320-		
4 .This certific permissor	This certificate shall not be reproduced, except in full without the wr permisson of LES-CCL, Kasna, Greater Noida (U.P.)			SHIVSHANKER SINGH (Chief Executive Officer)



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CALIBRATION CERTIFICATE

ULR No.	CC22532200000	4096F	Calib. Field - Fluid Flow		Page 1 of 2
Certificate No.	LES-CCL/FF/RF/SC/538	8			
Calibration Date	04.09.2022	Su	uggested Date of Next Calibration 03.09.2023		
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111				
Reference :- S.R.F. No	2022/1595 Date :- 15.06.2022 Date of Issue: 07.09.2022			07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	THERMO	TEI - 121	216 - TEI - 21

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration		
SI.No	B21544	Temperature (°C)	25 ± 10	
Resolution	1.0 lpm	Relative Humidity (%)	45-75	
Cal. Range	16.67 lpm (±2 %)	Baromatric Pressure (mmHg)	741.20	

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID. No.		SI.No. / ID. No.		Traceability
LFE GAS FLOW CALIBRATOR	0.5 -50 lpm	3319 LES-CCL/R/4902		LES-CCL, Gr. Noida		
Certificate No.	Calibration Date			Valid Up to		
LES-CCL/FF/RF/5090	23.07.2022			22.07.2023		

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2. The Flowrate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

1. Reference used are directly traceable to national standard through

unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurement

3. This Certificate refers only to the particular item calibrated.

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ULR No.	CC225322000004096F			Page 2 of 2
Calibration Date	04.09.2022	Su	ggested Date of Next Calibration	03.09.2023
Certificate No.	LES-CCL/FF/RF/SC/5388			

05. Calibration Results for Flow of Rotameter

S.No.	Test meter (DUC)	Reference Tr	ue	Error	Calibration	
	Measured Flow	flow rate		(%)	Factor	
	(lpm)	(lpm)				
1	16.7	16.456		1.483	0.985	
2	16.7	16.481		1.329	0.987	
3	16.7	16.435		1.612	0.984	
4	16.7	16.424		1.680	0.983	
5	16.7	16.419		1.711	0.983	
	Type A standard Uncertainty for repeated data (1-5)	± 0.0114	lpm			
	Expanded uncertainty in Actual flow					
	measurement, U (<i>k</i> =2)	± 0.8876	lpm	± 5.72 % Rdg		
Uncerta	inty Contributing factor :-					
1. Repea	atability (based on five measurement)					
2.Uncerta	ainty of master instruments					
3.Uncerta	ainty due to resolution of DUC					
The eval	uated Expanded Uncertainty in calibration at	a coverage factor $k = 2$,				
for degre	es of freedom = ∞ and confidence level is 95	% for Normal distribution.				
Calibrati	ion Place: Calibration Done at M/s Prism	Johnson Limited Tehsil - Ra	ampur Baghe	lan, Distt. Satna - 485111		
Notes	:-				Authorized Dv	
1. Refere	ence used are directly traceable to national s	tandard through		For Calibration	Authorized By	
unbrok	unbroken chain of calibration .					
2. Result	2. Results reported are valid at the time of and under the stated conditions of measurement					
3. This C	certificate refers only to the particular item ca	alibrated.		En la	- Ore	
4 .This c	ertificate shall not be reproduced, except in f	ull without the written		* Kasna *	SHIVSHANKER SINGH	
perm	permisson of LES-CCL, Kasna, Greater Noida (U.P.)					

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CALIBRATION CERTIFICATE

ULR No.	CC225322000000	4095F	- Calib. Field - Fluid Flow Pag		Page 1 of 2
Certificate No.	LES-CCL/FF/PM/SC/1759				r uge r or z
Calibration Date	04.09.2022	Suggested Date of Next Calibration 03.09.2023		03.09.2023	
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111				
Reference :- S.R.F. No	2022/1595	Date :- 15.06.2022 Date of Issue:- 07.09.2		07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	THERMO	TEI - 121	216 - TEI - 21 / 20010 - 0/2/2

02. Details of DUC

Name	Dry Gas Meter	Environmental Conditions During Calibration		
Make/Model	Honeywell / G1.6	Temperature (°C)	25 ± 10	
SI.No.	1807079405	Relative Humidity (%)	45-75	
Cal. Range	16.67 lpm (±2%)	Baromatric Pressure (mmHg)	741.20	

03. Standard Equipment used for calibration

SI.No.	Standard Equipment Name	Range	SI.No. / ID.	No.	Traceability
1	LFE Gas Flow Calibrator	0.5 -50 lpm	3319 / LES-CCL/R/4902		LES - CCL, Gr. Noida
2	Digital Stop Watch	10 Sec 59 min	LES-CCL/R/1	4510	LES - CCL, Gr. Noida
SI.No.	Certificate No.	Calibration Date			Valid Up to
1	LES-CCL/FF/RF/5090	23.07.2022			22.07.2023
2	LES-CCL/ET/SW/635	21.09.2021			20.09.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/07

Remark : 1.Refer page 2 of 2 for Calibration Results

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions c
- 3. This Certificate refers only to the particular item calibrated.
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ULR No.	CC225322000004	095F	Page 2 of 2
Calibration Date	04.09.2022	Suggested Date of Next Calibration	03.09.2023
Certificate No.	LES-CCL/FF/PM/SC/1759		

05. Calibration Results for Flow of Dry Gas Meter

S.No.	Test meter (DUC)	Reference Tr	ue	Error
				(76)
	(ipm)	(ipin)		
1	16.72	16.524		1.186
2	16.71	16.536		1.052
3	16.77	16.561		1.262
4	16.77	16.575		1.176
5	16.69	16.582		0.651
	Type A standard Uncertainty for repeated data (1-5)	± 0.0105	lpm	
	Expanded uncertainty in Actual f	ow		
	measurement, U (k=2)	± 0.8937	lpm	± 5.72 % Rdg
Note:-	Final Readings of Dry Gas Me	ter at the end of Calibra	tion: 8.7370	<u>m³</u>
Uncertainty	Contributing factor :-			
1. Repeatabili	ty (based on five measurement)			
2.Uncertainty	due to recolution of DLC			
The evaluated	Texpanded Uncertainty in calibration	h at a coverage factor $k = 2$		
for degrees of	freedom = ∞ and confidence level is	95% for Normal distribution		
Calibration P	lace: Calibration Done at M/s Pris	m Johnson Limited Tehsil	- Rampur Bag	helan. Distt. Satna - 485111
Notes :-				
1. Reference used are directly traceable to national standard through				
2. Results reported are valid at the time of and under the stated condit				(ex utila
3. This Certifi	cate refers only to the particular item	320-		
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CALIBRATION CERTIFICATE

ULR No.		CC225322000004108F		Calib Field - Electro-Technical		Page 1 of 1
Certifica	te No.	LES-CCL/ET/TT/4041		Calib. Field - Electro-Technical		ragerori
Calibratio	on Date	05.09.2022	Sug	gested Date of	f Next Calibration	04.09.2023
Customer Name	e :-	M/s Prism Johnson Limited				
Address :-		(Cement Division: Unit - II)				
		Village - Mankahari, P.O. Bathia,				
Tehsil - Rampur Baghelan,		Distt. Satna - 48	5111			
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	THERMO	TEI - 121	217 - TEI - 21 / 2003310 - 0/2/1

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions Du	ring Calibration
SI.No.	T - 217	Temperature (°C)	25 ± 3
		Relative Humidity (%)	45 - 75
		B. Pressure (mmHg)	741.40

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate N	lo.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 20.91 hrs)	15.0040	-0.03	± 2.30907 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurem

3. This Certificate refers only to the particular item calibrated.

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Calibr å Gr. Noida Kasna

Authorized By

tha SHIVSHANKER SINGH (Chief Executive Officer)



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CALIBRATION CERTIFICATE

ULR	No.	CC22532200000409	97F	Calib. Field - Electro-Technical		Page 1 of 1	
Certifica	te No.	LES-CCL/ET/TT/4096				ragerori	
Calibratio	n Date	05.09.2022	Sug	gested Date of	Next Calibration	04.09.2023	
Customer Name	ə :-	M/s Prism Johnson Limited	t				
Address :-		(Cement Division: Unit - II)					
		Village - Mankahari, P.O. Bathia,					
		Tehsil - Rampur Baghelan,	Distt. Satna - 48	5111			
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Fine Particulate Sampler	THERMO	TEI - 121	216 - TEI - 21 / 2003310 - 0/2/2

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions Du	ring Calibration
SI.No.	T - 216	Temperature (°C)	25 ± 3
		Relative Humidity (%)	45 - 75
		B. Pressure (mmHg)	741.40

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate N	lo.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 33.80 hrs)	15.0040	-0.03	± 2.30907 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurem

3. This Certificate refers only to the particular item calibrated.

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Calibr å Gr. Noida Kasna

Authorized By

tla SHIVSHANKER SINGH (Chief Executive Officer)







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CALIBRATION CERTIFICATE

ULR No.	CC225322000004091F		Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/SC/5386			
Calibration Date	03.09.2022	Suggested	Date of Next Calibration	02.09.2023
Customer Name :- Address :-	M/s Prism Johnson Limit (Cement Division: Unit - I Village - Mankahari, P.O. Tehsil - Rampur Baghela	ted II) Bathia, n, Distt. Satna - 485111		
Reference :- S.R.F. No	2022/1595	Date :- 15.06.202	Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	1366 - DATE - G - 2000

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
SI.No.	09/0232	Temperature(°C)	25±10
Make	S-S Flow India	Relative Humidity (%)	45-75
Cal. Range / Range	05 -3 lpm / 0 -3 lpm	B. Presure (mmHg)	741.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID. No.	Traceability
LFE Gas Flow Calibrator	0.5 - 50 lpm	3319 / LES-CCL/R/4902	LES - CCL, Gr. Noida
Certificate No.		Calibration Date	Valid Up to
LES-CCL/FF/RF/5090	23.07.2022		22.07.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC-07

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

2. The Flow Rate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-		Authorized By
1. Reference used are directly traceable to national standard through	col Calibratio	Authorized By
unbroken chain of calibration .	en la	
2. Results reported are valid at the time of and under the stated conditions of measurement	Gr. Noida	P Ha
3. This Certificate refers only to the particular item calibrated.	and the second	South
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ULR No.	CC225322000004	091F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/RF/SC/5386		

05. Calibration Results for Flow of Rotameter

S.No.	(DUC)	Reference True	Error	Calibration
	Indicated reading	Flow rate	(%)	factor
	(lpm)	(lpm)	FS	
1	0.5	0.483	0.567	0.966
2	0.5	0.484	0.533	0.968
3	0.5	0.485	0.500	0.970
4	0.5	0.486	0.467	0.972
5	0.5	0.487	0.433	0.974
6	1.0	0.964	1.200	0.964
7	1.5	1.476	0.800	0.984
8	2.0	1.945	1.833	0.973
9	2.5	2.455	1.500	0.982
10	3.0	2.984	0.533	0.995
11	3.0	2.985	0.500	0.995
12	3.0	2.986	0.467	0.995
13	3.0	2.987	0.433	0.996
14	3.0	2.988	0.400	0.996
			(Curve Er	nclosed)

Type A standard Uncertainty				
I. for repeated data (1-5)	±	0.0007 lpm		
II. for repeated data (10-14)	±	0.0007 lpm		
Expanded uncertainty in Actual flow				
measurement at 95% as a coverage factor k=2				
I. 0.5 lpm	±	14.14 % Rdg	or	2.16 %FS
II. 3.0 lpm	±	6.55 % Rdg	or	6.15 %FS
ortainty Cantributing Faster .				

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurements)

2. Uncertainty of master instruments

3.Resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2,

for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111

Notes :-	Authorized By
1. Reference used are directly traceable to national standard through	Addition 200 By
unbroken chain of calibration .	
2. Results reported are valid at the time of and under the stated conditions of measurement	Contla
3. This Certificate refers only to the particular item calibrated.	-020
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ULR No. CC225322000004091F

CALIBRATION CURVE FOR ROTAMETER

Date of Calibration:- 03.09.2022



Page 3 of 3



Notes :-

1. Reference used are directly traceable to national standard through

unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of

3. This Certificate refers only to the particular item calibrated.

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Authorized By







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CALIBRATION CERTIFICATE

ULR No. Certificate No.	CC225322000004	090F	Calib. Field - Fluid Flow	Page 1 of 3
Calibration Date	03.09.2022	Suggested	Date of Next Calibration	02.09.2023
Customer Name :- Address :-	M/s Prism Johnson Limi (Cement Division: Unit - Village - Mankahari, P.O Tehsil - Rampur Baghela	ited II) J. Bathia, an, Distt. Satna - 485111		
Reference :- S.R.F. No	2022/1595	Date :- 15.06.20	22 Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	1367 - DAE - G - 2000

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
SI.No.	2004/1046	Temperature(°C)	25±10
Make	S-S Flow India	Relative Humidity (%)	45-75
Cal. Range / Range	05 - 3 lpm / 0 -3 lpm	B. Presure (mmHg)	741.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID. No.	Traceability
LFE Gas Flow Calibrator	0.5 - 50 lpm	3319 / LES-CCL/R/4902	LES - CCL, Gr. Noida
Certificate No.	C	Calibration Date	Valid Up to
LES-CCL/FF/RF/5090	23.07.2022		22.07.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC-07

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

2. The Flow Rate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-		Authorized By
1. Reference used are directly traceable to national standard through	col Calibratio	Authorized By
unbroken chain of calibration .	en la	
2. Results reported are valid at the time of and under the stated conditions of measurement	Gr. Noida	P Na
3. This Certificate refers only to the particular item calibrated.	and the second	South
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permisson of LES-CCL. Kasna, Greater Noida (U.P.)		(Chief Executive Officer)





ULR No.	CC225322000004	090F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/RF/SC/5385		

05. Calibration Results for Flow of Rotameter

S.No.	(DUC)	Reference True	Error	Calibration
	Indicated reading	Flow rate	(%)	factor
	(lpm)	(lpm)	FS	
1	0.5	0.463	1.233	0.926
2	0.5	0.464	1.200	0.928
3	0.5	0.465	1.167	0.930
4	0.5	0.466	1.133	0.932
5	0.5	0.467	1.100	0.934
6	1.0	0.973	0.900	0.973
7	1.5	1.454	1.533	0.969
8	2.0	1.944	1.867	0.972
9	2.5	2.465	1.167	0.986
10	3.0	2.981	0.633	0.994
11	3.0	2.982	0.600	0.994
12	3.0	2.983	0.567	0.994
13	3.0	2.984	0.533	0.995
14	3.0	2.985	0.500	0.995
			(Curve En	closed)

Type A standard Uncertainty				
I. for repeated data (1-5)	±	0.0007 lpm		
II. for repeated data (10-14)	±	0.0007 lpm		
Expanded uncertainty in Actual flow				
measurement at 95% as a coverage factor k=2				
I. 0.5 lpm	±	14.75 % Rdg	or	2.16 %FS
II. 3.0 lpm	±	6.55 % Rdg	or	6.15 %FS
Uncertainty Contributing Factor :-				

1. Repeatability (based on five measurements)

2.Uncertainty of master instruments

3.Resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2,

for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111

Notes :-	Authorized By
1. Reference used are directly traceable to national standard through	Addionzed By
unbroken chain of calibration .	
2. Results reported are valid at the time of and under the stated conditions of measurement	Correntla_
3. This Certificate refers only to the particular item calibrated.	320
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(Curve Enclosed)



ULR No. CC225322000004090F

CALIBRATION CURVE FOR ROTAMETER

Date of Calibration:-03.09.2022



Page 3 of 3



Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .
- 2. Results reported are valid at the time of and under the stated conditions of
- 3. This Certificate refers only to the particular item calibrated.
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Calib à Gr. Noida Kasna

Authorized By South SHIVSHANKER SINGH (Chief Executive Officer)







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CALIBRATION CERTIFICATE

ULR No.	CC225322000040	088F	Calib. Field - Fluid Flow	Page 1 of 3
Calibration Date	03.09.2022	Suggeste	02.09.2023	
Customer Name :- Address :-	M/s Prism Johnson Limit (Cement Division: Unit - I Village - Mankahari, P.O. Tehsil - Rampur Baghela	ted II) Bathia, n, Distt. Satna - 485117	I	
Reference :- S.R.F. No	2022/1595	Date :- 15.06.20	D22 Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	4297 - DTC - 2011

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
SI.No.	200/820	Temperature(°C)	25±10
Make	S-S Flow India	Relative Humidity (%)	45-75
Cal. Range / Range	05 - 3 lpm / 0 -3 lpm	B. Presure (mmHg)	741.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID. No.	Traceability
LFE Gas Flow Calibrator	0.5 - 50 lpm	3319 / LES-CCL/R/4902	LES - CCL, Gr. Noida
Certificate No.	Calibration Date		Valid Up to
LES-CCL/FF/RF/5090	23.07.2022		22.07.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC-07

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

2. The Flow Rate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-		Authorized By
1. Reference used are directly traceable to national standard through	col Calibratio	Authorized By
unbroken chain of calibration .	en la	
2. Results reported are valid at the time of and under the stated conditions of measurement	Gr. Noida	P Na
3. This Certificate refers only to the particular item calibrated.	and the second	South
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ULR No.	CC225322000004	088F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/RF/SC/5383		

05. Calibration Results for Flow of Rotameter

S.No.	(DUC)	Reference True	Error	Calibration
	Indicated reading	Flow rate	(%)	factor
	(lpm)	(lpm)	FS	
1	0.5	0.483	0.567	0.966
2	0.5	0.484	0.533	0.968
3	0.5	0.485	0.500	0.970
4	0.5	0.486	0.467	0.972
5	0.5	0.487	0.433	0.974
6	1.0	0.974	0.867	0.974
7	1.5	1.464	1.200	0.976
8	2.0	1.944	1.867	0.972
9	2.5	2.476	0.800	0.990
10	3.0	2.981	0.633	0.994
11	3.0	2.982	0.600	0.994
12	3.0	2.983	0.567	0.994
13	3.0	2.984	0.533	0.995
14	3.0	2.985	0.500	0.995
			(Curve En	closed)

Type A standard Uncertainty				
I. for repeated data (1-5)	±	0.0007 lpm		
II. for repeated data (10-14)	±	0.0007 lpm		
Expanded uncertainty in Actual flow				
measurement at 95% as a coverage factor k=2				
I. 0.5 lpm	±	14.13 % Rdg	or	2.16 %FS
II. 3.0 lpm	±	6.55 % Rdg	or	6.15 %FS
Uncertainty Contributing Factor :-				

1. Repeatability (based on five measurements)

2.Uncertainty of master instruments

3.Resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2,

for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111

Notes :-	Authorized By
1. Reference used are directly traceable to national standard through	Addionzed By
unbroken chain of calibration .	
2. Results reported are valid at the time of and under the stated conditions of measurement	Correntla_
3. This Certificate refers only to the particular item calibrated.	320
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ULR No. CC225322000004088F

CALIBRATION CURVE FOR ROTAMETER

Date of Calibration:-03.09.2022



Page 3 of 3



Notes :-

1. Reference used are directly traceable to national standard through

unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of

3. This Certificate refers only to the particular item calibrated.

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CALIBRATION CERTIFICATE

ULR No.	CC2253220000040	087F	Calib Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/RF/SC/5382			
Calibration Date	03.09.2022 Suggested Date of Next Calibration 02.09.2023			
Customer Name :- Address :-	M/s Prism Johnson Limit (Cement Division: Unit - I Village - Mankahari, P.O. Tehsil - Rampur Baghela	ted II) Bathia, n, Distt. Satna - 485111		
Reference :- S.R.F. No	2022/1595	Date :- 15.06.20	22 Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	4298 DTC - 2011

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration		
SI.No.	09/0228	Temperature(°C)	25±10	
Make	S-S Flow India	Relative Humidity (%)	45-75	
Cal. Range / Range	05 - 3 lpm / 0 -3 lpm	B. Presure (mmHg)	741.30	

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID. No.	Traceability
LFE Gas Flow Calibrator	0.5 - 50 lpm	3319 / LES-CCL/R/4902	LES - CCL, Gr. Noida
Certificate No.	Calibration Date		Valid Up to
LES-CCL/FF/RF/5090	23.07.2022		22.07.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC-07

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

2. The Flow Rate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-		Authorized By
1. Reference used are directly traceable to national standard through	col Calibratio	Authorized By
unbroken chain of calibration .	en la	
2. Results reported are valid at the time of and under the stated conditions of measurement	Gr. Noida	P Na
3. This Certificate refers only to the particular item calibrated.	and the second	South
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ULR No.	CC225322000004	087F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/RF/SC/5382		

05. Calibration Results for Flow of Rotameter

S.No.	(DUC)	Reference True	Error	Calibration
	Indicated reading	Flow rate	(%)	factor
	(lpm)	(Ipm)	FS	
1	0.5	0.473	0.900	0.946
2	0.5	0.474	0.867	0.948
3	0.5	0.475	0.833	0.950
4	0.5	0.476	0.800	0.952
5	0.5	0.477	0.767	0.954
6	1.0	0.984	0.533	0.984
7	1.5	1.463	1.233	0.975
8	2.0	1.956	1.467	0.978
9	2.5	2.465	1.167	0.986
10	3.0	2.992	0.267	0.997
11	3.0	2.993	0.233	0.998
12	3.0	2.994	0.200	0.998
13	3.0	2.995	0.167	0.998
14	3.0	2.996	0.133	0.999
			(Curve Er	closed)

Type A standard Uncertainty				
I. for repeated data (1-5)	±	0.0007 lpm		
II. for repeated data (10-14)	±	0.0007 lpm		
Expanded uncertainty in Actual flow				
measurement at 95% as a coverage factor k=2				
I. 0.5 lpm	±	14.43 % Rdg	or	2.16 %FS
II. 3.0 lpm	±	6.53 % Rdg	or	6.15 %FS
ortainty Contributing Easter				

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurements)

2. Uncertainty of master instruments

3.Resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2,

for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111

Notes :-	Authorized By
1. Reference used are directly traceable to national standard through	Authorized By
unbroken chain of calibration .	
2. Results reported are valid at the time of and under the stated conditions of measurement	Cerutila_
3. This Certificate refers only to the particular item calibrated.	Ser
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ULR No. CC225322000004087F

CALIBRATION CURVE FOR ROTAMETER

Date of Calibration:- 03.09.2022



Page 3 of 3



Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .
- 2. Results reported are valid at the time of and under the stated conditions of
- 3. This Certificate refers only to the particular item calibrated.
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Authorized By


ULR No. CC225322000004089F

CALIBRATION CURVE FOR ROTAMETER

Date of Calibration:-03.09.2022



Page 3 of 3



Notes :-

1. Reference used are directly traceable to national standard through

unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of

3. This Certificate refers only to the particular item calibrated.

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Calib à Gr. Noida Kasna

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CALIBRATION CERTIFICATE

ULR No. Certificate No.	CC22532200004	089F	Calib. Field - Fluid Flow	Page 1 of 3
Calibration Date	03.09.2022	Suggestee	d Date of Next Calibration	02.09.2023
Customer Name :- Address :-	M/s Prism Johnson Limit (Cement Division: Unit - Village - Mankahari, P.O. Tehsil - Rampur Baghela	ted II) Bathia, n, Distt. Satna - 485111		
Reference :- S.R.F. No	2022/1595	Date :- 15.06.20	Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	4299 - DTC - 2011

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
SI.No.	10/0911	Temperature(°C)	25±10
Make	S-S Flow India	Relative Humidity (%)	45-75
Cal. Range / Range	05 - 3 lpm / 0 -3 lpm	B. Presure (mmHg)	741.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID. No.	Traceability
LFE Gas Flow Calibrator	0.5 - 50 lpm	3319 / LES-CCL/R/4902	LES - CCL, Gr. Noida
Certificate No.	Calibration Date		Valid Up to
LES-CCL/FF/RF/5090	23.07.2022		22.07.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC-07

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

2. The Flow Rate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-		Authorized By
1. Reference used are directly traceable to national standard through	col Calibratio	Authorized By
unbroken chain of calibration .	en la	
2. Results reported are valid at the time of and under the stated conditions of measurement	Gr. Noida	P Na
3. This Certificate refers only to the particular item calibrated.	and the second	South
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ULR No.	CC225322000004	089F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/RF/SC/5384		

05. Calibration Results for Flow of Rotameter

S.No.	(DUC)	Reference True	Error	Calibration
	Indicated reading	Flow rate	(%)	factor
	(lpm)	(Ipm)	FS	
1	0.5	0.453	1.567	0.906
2	0.5	0.454	1.533	0.908
3	0.5	0.455	1.500	0.910
4	0.5	0.456	1.467	0.912
5	0.5	0.457	1.433	0.914
6	1.0	0.976	0.800	0.976
7	1.5	1.484	0.533	0.989
8	2.0	1.965	1.167	0.983
9	2.5	2.446	1.800	0.978
10	3.0	2.992	0.267	0.997
11	3.0	2.993	0.233	0.998
12	3.0	2.994	0.200	0.998
13	3.0	2.995	0.167	0.998
14	3.0	2.996	0.133	0.999
			(Curve Er	nclosed)

Type A standard Uncertainty				
I. for repeated data (1-5)	±	0.0007 lpm		
II. for repeated data (10-14)	±	0.0007 lpm		
Expanded uncertainty in Actual flow				
measurement at 95% as a coverage factor k=2				
I. 0.5 lpm	±	15.07 % Rdg	or	2.16 %FS
II. 3.0 lpm	±	6.53 % Rdg	or	6.15 %FS
Uncertainty Contributing Factor :-				

1. Repeatability (based on five measurements)

2.Uncertainty of master instruments

3.Resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2,

for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111

Notes :-	Authorized By
1. Reference used are directly traceable to national standard through	Addionized By
unbroken chain of calibration .	
2. Results reported are valid at the time of and under the stated conditions of measurement	Contla
3. This Certificate refers only to the particular item calibrated.	-020
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permisson of LES-CCL. Kasna, Greater Noida (U.P.)	(Chief Executive Officer)







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CALIBRATION CERTIFICATE

ULR No. Certificate No.	CC225322000004092F		Calib. Field - Fluid Flow	Page 1 of 3
Calibration Date	03.09.2022	Suggeste	d Date of Next Calibration	02.09.2023
Customer Name :- Address :-	M/s Prism Johnson Limit (Cement Division: Unit - Village - Mankahari, P.O. Tehsil - Rampur Baghela	ted II) Bathia, n, Distt. Satna - 485111	I	
Reference :- S.R.F. No	2022/1595	Date :- 15.06.20	D22 Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No.
Gaseous Sampling Attachment	Envirotech Instruments	APM - 411	516 - DTE - 97

02. Details of DUC

Name	Rotameter	Environmental Conditions During Calibration	
SI.No.	09/0239	Temperature(°C)	25±10
Make	S-S Flow India	Relative Humidity (%)	45-75
Cal. Range / Range	05 - 3 lpm / 0 -3 lpm	B. Presure (mmHg)	741.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No. / ID. No.	Traceability
LFE Gas Flow Calibrator	0.5 - 50 lpm	3319 / LES-CCL/R/4902	LES - CCL, Gr. Noida
Certificate No.	Calibration Date		Valid Up to
LES-CCL/FF/RF/5090	23.07.2022		22.07.2023

04. Calibration Procedure :- LES-CCL/WI/31/FF/SC-07

Remark 1.Refer page 2 of 3 for Calibration Results and 3 of 3 for Calibration Curve

2. The Flow Rate has been Referenced to Standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.

Notes :-		Authorized By
1. Reference used are directly traceable to national standard through	col Calibratio	Authorized By
unbroken chain of calibration .	en la	
2. Results reported are valid at the time of and under the stated conditions of measurement	Gr. Noida	P Na
3. This Certificate refers only to the particular item calibrated.	and the second	South
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ULR No.	CC225322000004	092F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/RF/SC/5387	,	

05. Calibration Results for Flow of Rotameter

S.No.	(DUC)	Reference True	Error	Calibration
	Indicated reading	Flow rate	(%)	factor
	(lpm)	(lpm)	FS	
1	0.5	0.483	0.567	0.966
2	0.5	0.484	0.533	0.968
3	0.5	0.485	0.500	0.970
4	0.5	0.486	0.467	0.972
5	0.5	0.487	0.433	0.974
6	1.0	0.976	0.800	0.976
7	1.5	1.454	1.533	0.969
8	2.0	1.965	1.167	0.983
9	2.5	2.436	2.133	0.974
10	3.0	2.992	0.267	0.997
11	3.0	2.993	0.233	0.998
12	3.0	2.994	0.200	0.998
13	3.0	2.995	0.167	0.998
14	3.0	2.996	0.133	0.999
			(Curve En	closed)

Type A standard Uncertainty				
I. for repeated data (1-5)	±	0.0007 lpm		
II. for repeated data (10-14)	±	0.0007 lpm		
Expanded uncertainty in Actual flow				
measurement at 95% as a coverage factor k=2				
I. 0.5 lpm	±	14.14 % Rdg	or	2.16 %FS
II. 3.0 lpm	±	6.53 % Rdg	or	6.15 %FS
Uncertainty Contributing Factor :-				

1. Repeatability (based on five measurements)

2.Uncertainty of master instruments

3.Resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2,

for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111

Notes :-	Authorized By
1. Reference used are directly traceable to national standard through	Addition 200 By
unbroken chain of calibration .	
2. Results reported are valid at the time of and under the stated conditions of measurement	Consutila_
3. This Certificate refers only to the particular item calibrated.	-020
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ULR No. CC225322000004092F

CALIBRATION CURVE FOR ROTAMETER

Date of Calibration:-03.09.2022



Page 3 of 3



Notes :-

1. Reference used are directly traceable to national standard through

unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of

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Calib à Gr. Noida Kasna

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CC-2253

CALIBRATION CERTIFICATE

ULR No.	CC225322000	04113F Calib. Field - Fluid Flow		Page 1 of 3		
Certificate No.	LES-CCL/FF/MF/SC	C/1809	/1809			
Calibration Date	03.09.2022	03.09.2022 Suggested Date of Next Calibration				
Customer Name :- Address :-	M/s Prism Johnson (Cement Division: Village - Mankahar Tehsil - Rampur Ba	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111				
Reference :- S.R.F. No.	2022/1595 Date :- 15.06.2022 Date of Issue:- 07.09.2022					

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Respirable Dust Sampler	Envirotech Instruments	APM - 460BL	1981 - DTD - 2011 / 2100008 - 0/4/4

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration	
SI.No.	1981 - DTD - 2011	Temperature(°C) 25 ± 10	
Make	Envirotech Instruments	Relative Humidity (%)	45-75
Cal. Range	0.7 -1.4 m ³ /min	Baromatric Pressure (mmHg) 741.3	

03. Standard Equipment used for calibration

Standard Equipment Name	Range SI.No./ID No.		Traceability		
Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304		LES-CCL, Gr. Noida	
Certificate No.	Cali. Date		Valid Up to		
LES-CCL/FF/TLC/233	04.06.2022		03.06.2023		
04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/08					

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.





Notes :-

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions of measurement
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ULR No.	CC2253220000	04113F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/MF/SC/1	809	

05. Calibration Results For Orifice Manometer Flow

S.No.	Test piece measured Indicated flow rate	Reference True measured flow rate in Calibration Curve	Error % (Rdg)	Expanded Uncertainty at 95 % of Confidence level (k =2	
	(m³/min)	(m³/min)		± (m³/min)	(% Rdg)
1	1.375	1.350	1.852	0.034	2.52
2	1.28	1.260	1.587	0.032	2.52
3	1.04	1.030	0.971	0.026	2.52
4	0.86	0.840	2.381	0.026	2.52
5	0.740	0.730	1.370	0.018	2.52

(Curve Enclosed)

Uncertainty Contributing Factors :-

1. Repeatability (based on five measurements)

2. Uncertainty of master instruments used for Flow measurement

3. Uncertainty of master instruments used for Temp. Measurement (Temp. & RH Indicator)

4. Uncertainty of master instruments used for Atm. Pressure Measurement (Barometer)

5. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage

factor k = 2 , for degrees of freedom = ∞ and C.L is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111





(A Division of Lata Envirotech Services)

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CALIBRATION CERTIFICATE

ULR	No.	CC225322000004112F	Calib Field - Electro-Technica	Page 1 of 1
Certificat	te No.	LES-CCL/ET/TT/4043		ragerori
Calibration	n Date	05.09.2022	Suggested Date of Next Calibration	on 04.09.2023
Customer Name	:-	M/s Prism Johnson Limited		
Address :-		(Cement Division: Unit - II)		
		Village - Mankahari, P.O. Bathia,		
		Tehsil - Rampur Baghelan, Distt. Satna	a - 485111	
Reference :-	S.R.F No.: -	2022/1595	pate: - 15.06.2022 Date	of Issue:- 07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Respirable Dust Sampler	Envirotech Instruments	APM - 460BL	1977 - DTD - 2017 / 2100009 - 0/4/1

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration		
SI.No.	T - 1977	Temperature (°C)	25 ± 3	
Make	CE Germany	Relative Humidity (%)	45 - 75	
		B. Pressure (mmHg)	741.40	

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate	No.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (<i>k</i> =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 1697.54 hrs)	15.0046	-0.03	± 2.309 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

1. Reference used are directly traceable to national standard through

unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurement

3. This Certificate refers only to the particular item calibrated.

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SHIVSHANKER SINGH (Chief Executive Officer)



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CC-2253



ULR No.	CC225322000004111F		Calib. Field - Fluid Flow	Page 1 of 3
Certificate No.	LES-CCL/FF/MF/S	LES-CCL/FF/MF/SC/1808		
Calibration Date	03.09.2022	Suggeste	d Date of Next Calibration	02.09.2023
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111			
Reference :- S.R.F. No.	2022/1595	Date :- 15.06.2	Date of Issue:-	07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Respirable Dust Sampler	Envirotech Instruments	APM - 460BL	1977 - DTD - 2011 / 2100009 - 0/4/1

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration		
SI.No.	2100009 - 0/4/1	Temperature(°C) 25 ± 10		
Make	Envirotech Instruments	Relative Humidity (%)	45-75	
Cal. Range	0.7 -1.4 m ³ /min	Baromatric Pressure (mmHg)	741.30	

03. Standard Equipment used for calibration

Standard Equipment Name	Range		.No./ID No.	Traceability
Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304		LES-CCL, Gr. Noida
Certificate No.	Cali. Date		Valid Up to	
LES-CCL/FF/TLC/233	04.06.2022	2	03.06.2023	
04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/08				

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.







ULR No.	CC2253220000	04111F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/MF/SC/1	808	

05. Calibration Results For Orifice Manometer Flow

S.No.	Test piece measured Indicated flow rate	Reference True measured flow rate in Calibration Curve	Error % (Rdg)	Expanded Uncertainty at 95 % of Confidence level (<i>k</i> =2)	
	(m³/min)	(m³/min)		± (m³/min)	(% Rdg)
1	1.400	1.380	1.449	0.035	2.52
2	1.26	1.250	0.800	0.032	2.52
3	1.05	1.030	1.942	0.026	2.52
4	0.87	0.850	2.353	0.026	2.52
5	0.750	0.740	1.351	0.019	2.52

(Curve Enclosed)

Uncertainty Contributing Factors :-

1. Repeatability (based on five measurements)

2. Uncertainty of master instruments used for Flow measurement

3. Uncertainty of master instruments used for Temp. Measurement (Temp. & RH Indicator)

4. Uncertainty of master instruments used for Atm. Pressure Measurement (Barometer)

5. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage

factor k = 2 , for degrees of freedom = ∞ and C.L is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111





N	otes	1
	0.00	

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
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CC-2253



ULR No.	CC22532200	0004115F	Calib. Field - Fluid Flow	Page 1 of 3			
Certificate No.	LES-CCL/FF/MF/S	C/1810		r uge r er e			
Calibration Date	03.09.2022	03.09.2022 Suggested Date of Nex		02.09.2023			
Customer Name :- Address :-	M/s Prism Johnso (Cement Division: Village - Mankahar Tehsil - Rampur B	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111					
Reference :- S.R.F. No.	2022/1595	Date :- 15.06.2	Date of Issue:-	07.09.2022			

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Respirable Dust Sampler	Envirotech Instruments	APM - 460BL	1976 - DTD - 2011 / 2100008 - 0/4/2

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration	
SI.No.	1976 - DTD - 2011	Temperature(°C) 25 ±	
Make	Envirotech Instruments	Relative Humidity (%)	45-75
Cal. Range	0.7 -1.4 m ³ /min	Baromatric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range SI.No./ID No.		.No./ID No.	Traceability
Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304		LES-CCL, Gr. Noida
Certificate No.	Cali. Date		Valid Up to	
LES-CCL/FF/TLC/233	04.06.2022		03.06	.2023
			-	
04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/08				

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.





LES-Centre for Calibration Laboratory



ULR No.	CC2253220000	Page 2 of 3	
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/MF/SC/1	810	

05. Calibration Results For Orifice Manometer Flow

S.No.	Test piece measured Indicated flow rate	Reference True measured flow rate in Calibration Curve	Error % (Rdg)	Expanded Uncertainty at 95 % of Confidence level (<i>k</i> =2)	
	(m³/min)	(m³/min)		± (m³/min)	(% Rdg)
1	1.350	1.330	1.504	0.034	2.52
2	1.29	1.270	1.575	0.032	2.52
3	1.08	1.070	0.935	0.027	2.52
4	0.86	0.840	2.381	0.027	2.52
5	0.720	0.710	1.408	0.018	2.52

(Curve Enclosed)

Uncertainty Contributing Factors :-

1. Repeatability (based on five measurements)

2. Uncertainty of master instruments used for Flow measurement

3. Uncertainty of master instruments used for Temp. Measurement (Temp. & RH Indicator)

4. Uncertainty of master instruments used for Atm. Pressure Measurement (Barometer)

5. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage

factor k = 2 , for degrees of freedom = ∞ and C.L is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111





N	otes	1
	0.00	

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions of measurement
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CC-2253

CALIBRATION CERTIFICATE

ULR No.	CC225322000	0004117F	Calib Field - Fluid Flow	Page 1 of 3			
Certificate No.	LES-CCL/FF/MF/S0	C/1811					
Calibration Date	03.09.2022	03.09.2022 Suggeste		02.09.2023			
Customer Name :- Address :-	M/s Prism Johnso (Cement Division: Village - Mankahaı Tehsil - Rampur B	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111					
Reference :- S.R.F. No.	2022/1595	Date :- 15.06.2	Date of Issue:-	07.09.2022			

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Respirable Dust Sampler	Envirotech Instruments	APM - 460BL	1980 - DTD - 2011 / 2100008 - 0/4/3

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration	
SI.No.	1980 - DTD - 2011	Temperature(°C) 25 ± 10	
Make	Envirotech Instruments	Relative Humidity (%)	45-75
Cal. Range	0.7 -1.4 m ³ /min	Baromatric Pressure (mmHg)	741.30

03. Standard Equipment used for calibration

Standard Equipment Name	Range SI.No./ID No.		Traceability	
Top Loading Orifice Calibrator	0.6 to 1.4 m ³ /min	57/LES-CCL/R/15304		LES-CCL, Gr. Noida
Certificate No.	Cali. Date		Valid Up to	
LES-CCL/FF/TLC/233	04.06.2022		03.06	.2023
			-	
04. Calibration Procedure :- LES-CCL/WI/31/FF/SC/08				

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.







ULR No.	CC2253220000	04117F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/MF/SC/1	811	

05. Calibration Results For Orifice Manometer Flow

S.No.	Test piece measured Indicated flow rate	Reference True measured flow rate in Calibration Curve	Error % (Rdg)	Expanded Uncertainty at 95 % of Confidence level (<i>k</i> =2)	
	(m³/min)	(m³/min)		± (m³/min)	(% Rdg)
1	1.390	1.370	1.460	0.035	2.52
2	1.22	1.210	0.826	0.030	2.52
3	1.04	1.020	1.961	0.026	2.52
4	0.86	0.850	1.176	0.026	2.52
5	0.750	0.740	1.351	0.019	2.52

(Curve Enclosed)

Uncertainty Contributing Factors :-

1. Repeatability (based on five measurements)

2. Uncertainty of master instruments used for Flow measurement

3. Uncertainty of master instruments used for Temp. Measurement (Temp. & RH Indicator)

4. Uncertainty of master instruments used for Atm. Pressure Measurement (Barometer)

5. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage

factor k = 2 , for degrees of freedom = ∞ and C.L is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111





N	lotes	

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions of measurement
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CALIBRATION CERTIFICATE

ULR No.		CC225322000004118F		Calib Field - Electro-Technical		Page 1 of 1
Certifica	te No.	LES-CCL/ET/TT/4046			Liectio-recimical	ragerori
Calibratio	on Date	05.09.2022	Sug	gested Date of	f Next Calibration	04.09.2023
Customer Name	e :-	M/s Prism Johnson Limited				
Address :-		(Cement Division: Unit - II)				
		Village - Mankahari, P.O. Bathia,				
		Tehsil - Rampur Baghelan,	Distt. Satna - 48	5111		
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Respirable Dust Sampler	Envirotech Instruments	APM - 460BL	1980 - DTD - 2011 / 2100008 - 0/4/3

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration		
SI.No.	T - 1980	Temperature (°C)	25 ± 3	
Make	CE Germany	Relative Humidity (%)	45 - 75	
		B. Pressure (mmHg)	741.40	

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate N	lo.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 3412.04 hrs)	15.0046	-0.03	± 2.30897 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurem

3. This Certificate refers only to the particular item calibrated.

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Calibr å Gr. Noida Kasna

Authorized By

tha SHIVSHANKER SINGH (Chief Executive Officer)



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CALIBRATION CERTIFICATE

ULR No.	CC225322000004109F		Calib, Field - Fluid Flow	Page 1 of 3		
Certificate No.	LES-CCL/FF/MF/SC	C/1807		r uge r er e		
Calibration Date	03.09.2022	Suggeste	d Date of Next Calibration	02.09.2023		
Customer Name :- Address :-	M/s Prism Johnson Limited (Cement Division: Unit - II) Village - Mankahari, P.O. Bathia, Tehsil - Rampur Baghelan, Distt. Satna - 485111					
Reference :- S.R.F. No.	2022/1595 Date :- 15.06.2022 Date of Issue:- 07.09.2022					

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Respirable Dust Sampler	THERMO	TEI - 108NL	230 - TEI - 21 / 2003309 - 0/2/1

02. Details of (DUC)

Name	Orifice Manometer Flow	Environmental Conditions During Calibration		
SI.No.	2003309 - 0/2/1	Temperature(°C)	25 ± 10	
Make	THERMO	Relative Humidity (%)	45-75	
Cal. Range	0.7 -1.4 m ³ /min	Baromatric Pressure (mmHg)	741.30	

03. Standard Equipment used for calibration

Standard Equipment Name	Range	Range SI.No./ID No.		Traceability
Top Loading Orifice Calibrator	0.6 to 1.4 m^{3}/min	4 m ³ /min 57/LES-CCL/R/15304		LES-CCL,
	0.0 10 1.1 11 /1111			Gr. Noida
Certificate No.	Cali. Date	;	Valid Up to	
LES-CCL/FF/TLC/233	04.06.2022	2	03.06	.2023
			-	
04. Calibration Procedure :- LES-0	CL/WI/31/FF/SC/08			

Remark : 1. Refer page 2 of 3 for Calibration Results and page 3 of 3 for Calibration Curve

2. The Flowrate has been Referenced to standard Temperature (20 °C) and Pressure (760 mmHg Absolute) Condition.





LES-Centre for Calibration Laboratory



ULR No.	CC2253220000	04109F	Page 2 of 3
Calibration Date	03.09.2022	Suggested Date of Next Calibration	02.09.2023
Certificate No.	LES-CCL/FF/MF/SC/1	807	

05. Calibration Results For Orifice Manometer Flow

S.No.	Test piece measured Indicated flow rate	Reference True measured flow rate in Calibration Curve	Error % (Rdg)	Expanded at 95 % of Confid	Uncertainty lence level(k =2)
	(m³/min)	(m³/min)		± (m³/min)	(% Rdg)
1	1.400	1.370	2.190	0.035	2.52
2	1.24	1.220	1.639	0.031	2.52
3	1.18	1.160	1.724	0.029	2.52
4	1.02	0.990	3.030	0.029	2.52
5	0.840	0.820	2.439	0.021	2.52

(Curve Enclosed)

Uncertainty Contributing Factors :-

1. Repeatability (based on five measurements)

2. Uncertainty of master instruments used for Flow measurement

3. Uncertainty of master instruments used for Temp. Measurement (Temp. & RH Indicator)

4. Uncertainty of master instruments used for Atm. Pressure Measurement (Barometer)

5. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage

factor k = 2 , for degrees of freedom = ∞ and C.L is 95 % for Normal distribution.

Calibration Place: Calibration Done at M/s Prism Johnson Limited Tehsil - Rampur Baghelan, Distt. Satna - 485111





N	lotes	ŝ
N	otes	1
1.4	0103	

- 1. Reference used are directly traceable to national standard through unbroken chain of calibration .
- Results reported are valid at the time of and under the stated conditions of measurement
- 3. This Certificate refers only to the particular item calibrated.
- 4 .This certificate shall not be reproduced, except in full without the written permisson of LES-CCL. Kasna, Greater Noida (U.P.)



Authorized By

tha

SHIVSHANKER SINGH (Chief Executive Officer)



(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.) Email: lesccl307@gmail.com, lesccllab@gmail.com, Cell No. 9821735177, 9821735178 website: www.lesccllab.com



CALIBRATION CERTIFICATE

ULR No.		CC225322000004114F		lectro-Technical	Page 1 of 1		
Certifica	te No.	LES-CCL/ET/TT/4044		Calib. Field - Electro-rechnical		rugerori	
Calibratio	libration Date 05.09.2022 Suggested Date of Next Calibration				04.09.2023		
Customer Name	e :-	M/s Prism Johnson Limite	d				
Address :-		(Cement Division: Unit - II)					
		Village - Mankahari, P.O. Bathia,					
		Tehsil - Rampur Baghelan,	Distt. Satna - 48	5111			
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022	

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.		
Respirable Dust Sampler	Envirotech Instruments	TEI - 108NL	1981 - DTD - 2011 / 2100008 - 0/4/4		

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration		
SI.No.	T - 1981	Temperature (°C)	25 ± 3	
Make	Hours	Relative Humidity (%)	45 - 75	
		B. Pressure (mmHg)	741.40	

03. Standard Equipment used for calibration

Standard Equipment Name Ran		SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate N	lo.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (k =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 3.41 hrs)	15.0046	-0.03	± 2.30897 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurem

3. This Certificate refers only to the particular item calibrated.

4 .This certificate shall not be reproduced, except in full without the written

permisson of LES-CCL.Kasna, Greater Noida (U.P.)

Calibr å Gr. Noida Kasna

Authorized By

tla SHIVSHANKER SINGH (Chief Executive Officer)



(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.) Email: lesccl307@gmail.com, lesccllab@gmail.com, Cell No. 9821735177, 9821735178 website: www.lesccllab.com



CALIBRATION CERTIFICATE

ULR No.		CC225322000004116F		Calib Field -	Electro-Technical	Page 1 of 1	
Certifica	te No.	LES-CCL/ET/TT/4045				rugerori	
Calibratio	Calibration Date 05.09.2022 Suggested Date of Next Calibration				04.09.2023		
Customer Name	e :-	M/s Prism Johnson Limited					
Address :-		(Cement Division: Unit - II)					
		Village - Mankahari, P.O. Bathia,					
		Tehsil - Rampur Baghelan, Di	istt. Satna - 48	5111			
Reference :-	S.R.F No.: -	2022/1595	Date: -	15.06.2022	Date	of Issue:- 07.09.2022	

01. DUC Fitted in instrument

Name	Name Make		SI.No. / ID.No.
Respirable Dust Sampler Envirotech Instruments		APM - 460BL	1976 - DTD - 2011 / 210000 - 0/4/2

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During Calibration		
SI.No.	T - 1976	Temperature (°C)	25 ± 3	
Make	Hours	Relative Humidity (%)	45 - 75	
		B. Pressure (mmHg)	741.40	

03. Standard Equipment used for calibration

Standard Equipment Name Range		SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate N	lo.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (<i>k</i> =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 3.47 hrs)	15.0046	-0.03	± 2.30897 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

- 1. Reference used are directly traceable to national standard through
- unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurem

3. This Certificate refers only to the particular item calibrated.

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permisson of LES-CCL.Kasna, Greater Noida (U.P.)

Calibr å Gr. Noida Kasna

Authorized By

tha SHIVSHANKER SINGH (Chief Executive Officer)



(A Division of Lata Envirotech Services)

K-307, UPSIDC Industrial Area, Site-5, Kasna, Greater Noida, Gautam Budh Nagar-201310 (U.P.) Email: lesccl307@gmail.com, lescclab@gmail.com, Cell No. 9821735177, 9821735178 website: www.lesccllab.com



CALIBRATION CERTIFICATE

ULR No.	CC225322000004110F	Calib Field	Calib. Field - Electro-Technical Page 1 of	
Certificate No.	LES-CCL/ET/TT/4042	Canb. Tield		
Calibration Date	05.09.2022	Suggested Date of Next Calibration 04.09.2023		
Customer Name :-	M/s Prism Johnson Limited			
Address :-	(Cement Division: Unit - II)			
	Village - Mankahari, P.O. Bathia,			
	Tehsil - Rampur Baghelan, Distt. Satna	ı - 485111		
Reference :- S.R.F No.:	- 2022/1595	Date: - 15.06.2022	Date of	Issue:- 07.09.2022

01. DUC Fitted in instrument

Name	Make	Model	SI.No. / ID.No.
Respirable Dust Sampler	THERMO	TEI - 108NL	230 - TEI - 21 / 2003309 - 0/2/1

02. Details of (DUC)

Name	Time Totalizer	Environmental Conditions During	g Calibration
SI.No.	Т - 230	Temperature (°C)	25 ± 3
Make	CE Germany	Relative Humidity (%)	45 - 75
		B. Pressure (mmHg)	741.40

03. Standard Equipment used for calibration

Standard Equipment Name	Range	SI.No./ID.No.	Traceability
Digital Automatic Timer	10 Sec - 4 hrs	LES-CCL/R/2507	Modtech Creative Labs Pvt. Ltd. Gurgaon (Haryana)
Calibration Certificate	No.	Calibration Date	Valid Up to
21000007211		10 to 12.02.2022	09.02.2023

04. Calibration Procedure LES-CCL/WI/31/ET/01

05. Calibration Results :

DUC has been calibrated for following Parameter (S) ranges (S)

S.No.	Displayed Value on DUC Hrs(Min)	Reference Time (Min)	Error (%)	Expanded Uncertainty at 95 % of Confidence level (<i>k</i> =2) (%)
1	0.25 (15.0 Min) (Final Readings of TTR at the end of Calibration: 42.20 hrs)	15.0046	-0.03	± 2.309 %

Uncertainty Contributing Factor :-

1. Repeatability (based on five measurement)

2.Uncertainty of master instruments

3. Uncertainty due to resolution of DUC

The evaluated Expanded Uncertainty in calibration at a coverage factor k = 2, for degrees of freedom = ∞ and confidence level is 95 % for Normal distribution.

Notes :-

1. Reference used are directly traceable to national standard through

unbroken chain of calibration .

2. Results reported are valid at the time of and under the stated conditions of measurement

3. This Certificate refers only to the particular item calibrated.

4 .This certificate shall not be reproduced, except in full without the written permisson of LES-CCL.Kasna, Greater Noida (U.P.)



Authorized By

SHIVSHANKER SINGH (Chief Executive Officer)



Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/13
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AN/0517/4126-4129/09/2022
NAME & ADDRESS	Village – Mankahari,	here Dete of Text Dereve	20.00.2022
OF CUSTOMER:	Tensil- Rampur, Baghelan,	Issue Date of Test Report	29.09.2022
	District Satna (M.P.)		
Type of Sample	Ambient Noise		
Sample Registration	517	Name of Logation	
No.	517	Ivanie of Location	-
Sampling Method	IS:4412, Part-1 & 2, 1991	Sample Collected By	Mr. Arvind
Date of Sample	12.09.2022 to 16.09.2022	Time of Sample Collection	•
Collection			
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	-
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022
Weather Condition	Partially Sunny	Sampling Duration	-
Environmental	Temperature: 25±2 °C	Number of Observation	30.0
Condition	Humidity: 65 %	Sample ID Code	ECO/LAB/4126-4129/09/2022
Instrument Name &	Sound Level Meter	Lutron	
Lab ID			

SI. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Near Stacker	47.30	41.60
2.	Near Guest House	52.60	39.20
3.	Near Crusher Unit-II	69.60	50.00
4.	Near Admin. Building	53.00	42.80

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines.

Noise (Ambient Standard)

	Area Code	Category	of area	Limit in dB (A) Leg
		0,	Day Time	Night Time
А	Industr	ial Area	75	70
В	Comme	ercial Area	65	55
С	Resider	ntial Area	55	45
D	Silence	Zone	50	40

Note:

1. Day time is reckoned in between 6:00 AM and 10:00 PM.

2. Night time is reckoned in between 10:00 PM and 6:00 AM

- 3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
- 4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

erified By Technical Manager

Authorized By Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 8-178, Sector-H, Aliganj, Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

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TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/13	
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AN/0517/4129-4133/09/2022	
NAME & ADDRESS	Village – Mankahari,			
OF CUSTOMER:	Tehsil- Rampur, Baghelan,	Issue Date of Test Report	29.09.2022	
	District Satna (M.P.)			
Type of Sample	Ambient Noise			
Sample Registration	517	Name of Location		
No	517			
Sampling Method	IS:4412, Part-1 & 2, 1991	Sample Collected By	Mr. Arvind	
Date of Sample	12.09.2022 to 16.09.2022	Time of Sample Collection	-	
Collection				
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	-	
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022	
Weather Condition	Partially Sunny	Sampling Duration	-	
Environmental	Temperature: 25±2 °C	Number of Observation	30.0	
Condition	Humidity: 65 %	Sample ID Code	ECO/LAB/4129-4133/09/2022	
Instrument Name &	Sound Level Meter	Lutron		
Lab ID	Sound Level Meter			

S. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Near Mines site Office	61.50	48.20
2.	Near Western Block Garden	53.60	45.20
3.	Village Hinauti (Mines 01)	43.72	40.68
4.	Village Sijahata	42.56	39.60

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines.

Noise (Ambient Standard)

	Area Code	Category of	of area	Limit in dB (A) Leq
			Day Time	Night Time
А	Industr	ial Area	75	70
В	Comme	ercial Area	65	55
С	Resider	ntial Area	55	45
D	Silence	Zone	50	40

Note:

1. Day time is reckoned in between 6:00 AM and 10:00 PM.

2. Night time is reckoned in between 10:00 PM and 6:00 AM

3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.

4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

Verified By **Technical Manager**

Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 3-93, Sector-H, Aliganj, Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No.: 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H171

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TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/13
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AN/0517/4134-4137/09/2022
NAME & ADDRESS	Village – Mankahari,		
OF CUSTOMER:	Tehsil- Rampur, Baghelan,	Issue Date of Test Report	29.09.2022
	District Satna (M.P.)		
Type of Sample	Ambient Noise		
Sample Registration	517	Name of Location	_
No.	517		
Sampling Method	IS:4412, Part-1 & 2, 1991	Sample Collected By	Mr. Arvind
Date of Sample	12.09.2022 to 16.09.2022	Time of Sample Collection	
Collection	12.09.2022 (0 10.09.2022	This of Sample Concerton	
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	-
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022
Weather Condition	Partially Sunny	Sampling Duration	-
Environmental	Temperature: 25±2 °C	Number of Observation	30.0
Condition	Humidity: 65 %	Sample ID Code	ECO/LAB/4134-4137/09/2022
Instrument Name &	Sound Level Meter	Lutron	
Lab ID	Sound Level Meter	Curon	

S. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	At Adiwasi Tola (Near Baghai ML Area)	53.50	41.26
2.	At Baisan Tola (Near Baghai ML area)	42.90	38.50
3.	South Site of Working Pit (Baghai Mines)	47.80	43.18
4.	Near Boundary Pillar No.64	43.50	41.64

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines.

Noise (Ambient Standard)

			concernance)	
	Area Code	Category of area		Limit in dB (A) Leq
			Day Time	Night Time
А	Industr	ial Area	75	70
В	Comme	ercial Area	65	55
С	Resider	ntial Area	55	45
D	Silence	Zone	50	40

Note:

- 1. Day time is reckoned in between 6:00 AM and 10:00 PM.
- 2. Night time is reckoned in between 10:00 PM and 6:00 AM
- 3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
- 4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

Verified By 1) 0 Technical Manager

Authorized By

Quality Manager

----End of Report----

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 8-1/8. Sector-H Aligani Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

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TEST REPORT

			FORMAT NO. ECO/QS/FORMA1/13
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AN/0517/4142-4145/09/2022
NAME & ADDRESS OF CUSTOMER:	Village – Mankahari, Tehsil- Rampur, Baghelan, District Satna (M.P.)	Issue Date of Test Report	29.09.2022
Type of Sample	Ambient Noise		
Sample Registration	517	Name of Location	
No.	517	Manie of Elocation	-
Sampling Method	IS:4412, Part-1 & 2, 1991	Sample Collected By	Mr. Arvind
Date of Sample	12.09.2022 to 16.09.2022	Time of Sample Collection	
Collection	12.07.2022 (0 10.07.2022	The of Sample Contection	-
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	-
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022
Weather Condition	Partially Sunny	Sampling Duration	-
Environmental	Temperature: 25±2 °C	Number of Observation	30.0
Condition	Humidity: 65 %	Sample ID Code	ECO/LAB/4142-4145/09/2022
Instrument Name & Lab ID	Sound Level Meter	Lutron	

		Day Time	Night Time
S. No.	Locations	Leq Value in dB(A)	Leq Value in
		ub(A)	
1.	Near Nala Bridge	51.26	39.70
2.	Near Medhi Mines Boundary Pillar No. 28	50.20	40.58
3.	Near Medhi Mines Boundary Pillar No. 23	48.72	43.52
4.	Village Malgaon	42.46	37.40

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines.

	-	Noise (Am	bient Standard)	
Are	a Code	Category of area		Limit in dB (A) Leq
			Day Time	Night Time
А	Industrial A	ea	75	70
В	Commercial	Area	65	55
С	Residential A	Area	55	45
D	Silence Zone		50	40
Note				

Note:

Day time is reckoned in between 6:00 AM and 10:00 PM. 1.

Night time is reckoned in between 10:00 PM and 6:00 AM 2.

Silence zone is defined as area up to 100m around such premises as hospitals, 3. educational institutions & courts. The silence zones are to be declared by a competent authority.

Mixed categories of areas should be declared as one of the four above-mentioned 4. categories by the competent authority and the corresponding standard shall apply.

Verified By

Technical Manager

Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 8-1/8, Sector-H, Aliganj, Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/13
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AN/0517/4146-4149/09/2022
NAME & ADDRESS	Village – Mankahari,		
OF CUSTOMER:	Tehsil- Rampur, Baghelan,	Issue Date of Test Report	29.09.2022
	District Satna (M.P.)		
Type of Sample	Ambient Noise		
Sample Registration	517	Name of Location	_
No	517		
Sampling Method	IS:4412, Part-1 & 2, 1991	Sample Collected By	Mr. Arvind
Date of Sample	12.09.2022 to 16.09.2022	Time of Sample Collection	_
Collection	12.09.2022 10 10.09.2022	Third of Sample Concertion	
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	-
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022
Weather Condition	Partially Sunny	Sampling Duration	-
Environmental	Temperature: 25±2 °C	Number of Observation	30.0
Condition	Humidity: 65 %	Sample ID Code	ECO/LAB/4146-4149/09/2022
Instrument Name &	Sound Level Meter	Lutron	
Lab ID		Luuon	

S. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Village Badarkha (Mines 4)	47.80	40.52
2.	Village Hinauta (Mines 4)	44.68	42.58
3.	Village Chulhi (Mines 4)	43.40	40.70
4.	Village Kulhari (Mines 4)	42.90	37.10

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines.

		Noise (An	nbient Standard)	
	Area Code	Category of area		Limit in dB (A) Leq
			Day Time	Night Time
А	Industr	ial Area	75	70
В	Comme	ercial Area	65	55
С	Resider	itial Area	55	45
D	Silence	Zone	50	40

Note:

1. Day time is reckoned in between 6:00 AM and 10:00 PM.

- 2. Night time is reckoned in between 10:00 PM and 6:00 AM
- 3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.
- 4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

Verified By DVO **Technical Manager** Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. B-1/8, Sector-H Alinani Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

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TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/13
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AN/0517/4150-4153/09/2022
NAME & ADDRESS OF CUSTOMER:	Village – Mankahari, Tehsil- Rampur, Baghelan, District Satna (M.P.)	Issue Date of Test Report	29.09.2022
Type of Sample	Work Place Noise		
Sample Registration No.	517	Name of Location	-
Sampling Method	IS:4412, Part-1 & 2, 1991	Sample Collected By	Mr. Arvind
Date of Sample Collection	12.09.2022 to 16.09.2022	Time of Sample Collection	-
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	-
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022
Weather Condition	Partially Sunny	Sampling Duration	-
Environmental Condition	Temperature: 25±2 °C	Number of Observation	30.0
	Humidity: 65 %	Sample ID Code	ECO/LAB/4150-4153/09/2022
Instrument Name & Lab ID	Sound Level Meter	Lutron	

S. No.	Locations	Day Time Leq Value in dB(A)	Night Time Leq Value in dB(A)
1.	Village Chulhi (Near Mines 5)	61.20	43.57
2.	Village Majhiyar (Near Mines 5)	57.50	42.00
3.	Village Malgaon (Near Mines 5)	43.68	38.70
4.	Village Hinauti (Near Mines 5)	45.10	40.20

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines.

Noise (Ambient Standard)

	Area Code	Category c	of area	Limit in dB (A) Leq
			Day Time	Night Time
А	Industri	al Area	75	70
В	Comme	rcial Area	65	55
С	Residen	tial Area	55	45
D	Silence	Zone	50	40

Note:

1. Day time is reckoned in between 6:00 AM and 10:00 PM.

Night time is reckoned in between 10:00 PM and 6:00 AM 2.

3. Silence zone is defined as area up to 100m around such premises as hospitals, educational institutions & courts. The silence zones are to be declared by a competent authority.

4. Mixed categories of areas should be declared as one of the four above-mentioned categories by the competent authority and the corresponding standard shall apply.

Verified By **Technical Manager**

Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. B-1/8. Sector-H, Aliganj, Lucknow-226024



Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601, GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/13
	Prism Johnson Ltd.	Test Report No.	ECO/LAB/AN/0522/4197/09/2022
NAME & ADDRESS OF	Village – Mankahari,	Loove Date of Test	
CUSTOMER:	Tehsil- Rampur, Baghelan,	Report	29.09.2022
	District Satna (M.P.)		
Type of Sample	Noise Level Survey		
Sample Registration No.	522	Name of Location	-
Sampling Method	IS:4412, Part-1 & 2, 1991	Sample Collected By	Mr. Arvind
Date of Sample Collection	12.09.2022 to 16.09.2022	Time of Sample Collection	-
Date of Sample Receipt	17.09.2022	Time of Sample Receipt	-
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022
Weather Condition	Partially Cloudy	Sampling Duration	-
Environmental Condition	Temperature: 25±2 °C	Number of Observation	30.0
Environmental Condition	Humidity: 65 %	Sample ID Code	ECO/LAB/4197/09/2022
Instrument Name & Lab ID	Sound Level Meter	Lutron	

S. No.	Locations	Leq Value in dB (A)	Protective Measures Adopted				
Dozer-155 A							
1	Operator's cabin idle running	68.20	Ear muff provided				
2	Operator's Cabin running on load	82.70	Ear muff provided				
Poclain 300 C	CK						
3	Operator's cabin idle running	68.50	Ear muff provided				
4	Operator's Cabin while loading	71.34	Ear muff provided				
HAULPAK-F	PH 40						
5	Operator's Cabin while being loaded	70.60	Ear muff provided				
6	Operator's Cabin while hauling	75.10	Ear muff provided				
7	Operator's Cabin unloading in the hopper of crusher	86.40 (For 20 Second)	Ear muff provided				
8	Alarm (while Reversing of dumper)	104.0	Short Duration				
ATLASCOPCODRILL							
9	Operator's point while drilling	81.80	Ear muff provided				
ROCKBREAKER							
10	Operator's Cabin	74.4	Ear muff provided				
HEAVY BLASTING (INSTANTANEOUS)							
11	Blasting shelter	104.0	Momentary				
12	At safe zone	78.40					
AMBIENT NOISE LEVEL DURING WORKING HOURS							
13	Office Campus, Mines workshop, Outfield (Haul Road)	79.20	-				
14	Office Campus, Mines Workshop, Outfield (Haul Road) (at Night)	60.70	-				

-----End of Report-----

Verified By

Technical Manager

Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 8-1/8, Sector-H, Aliganj, Lucknow-226024

Water consumption 2022-23

Month	Unit II			
Iviontn	Ground Water	Mines Pit		
UOM	KL	KL		
April	23663	23663		
May	32756	32696		
June	34241	34127		
July	28768	28736		
August	20776	20776		
September	14591	14591		



Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024 Phone No. : 0522 - 4079201/2746282





TEST REPORT

		FORMAT NO. ECO/QS/FORMAT/07		
NAME & ADDRESS OF	Prism Johnson Ltd. Village – Mankahari, Tehsil- Rampur, Baghelan	ULR No.	TC953922000003871F	
CUSTOMER:		Test Report No.	ECOLAB/WW/0492/3871/09/2022	
	District Satna (M.P.)	Issue Date of Test Report	28.09.2022	
Type of Sample	Waste Water			
Sample Registration No.	492	Name of Location	STP Inlet	
Sampling Method	АРНА	Sample Collected By	ELPL Representative	
Date of Sample Collection	13.09.2022	Time of Sample Collection	-	
Date of Sample Received	17.09.2022	Time of Sample Received	2.20 PM	
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022	
Laboratory Environmental	Temperature: $25 \pm 2 ^{\circ}C$	Sample Quantity	As per Requirement	
Condition	Humidity: 62 %	Sample ID Code	ECO/LAB/3871/09/2022	

Sl. No.	Tests	Unit	Protocol	Limits of Detection	Result
1.	pH	-	APHA, 23rd Ed. 2017,4500 H ⁺ A+B	2-12	6.39
2.	Total Suspended Solid as TSS	mg/l	APHA, 23rdEd. 2017, 2540D	5-5000	163.0
3.	Biochemical Oxygen Demand as BOD 3days at 27°C	mg/l	APHA, 23rd Ed. 2017, 5210 A+B	5-10000	38.0
4.	Chemical Oxygen Demand as COD	mg/l	APHA, 23rd Ed. 2017, 5220 A+C	5-50000	172.0
5.	Oil & Grease as O & G	mg/l	APHA, 23rd Ed. 2017, 5520 A+D	5-600	BDL

Statement of Conformity: The above tested parameters confirm as per G.S.R 1265(E)limits for above tested parameters and the results are related to the sample tested. Note-BDL-Below Detection Limit

Opinion/Observation:

- 1. Test results relate to the items sampled & tested.
- Test report shall not be reproduced except in full without approval of the laboratory. 2.
- The test samples will be disposed of after one Month from the date of issue of test report. 3.

Verified By

Technical Manager

----End of Report----

Authorized By

Quality Manager

Ecomen Laboratories Pvt 11d. d Floor Hall, House No . 5, Sour-H, Aliganj, Lucknow-226024





Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024 Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI



An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

		FORMAT NO. ECO/QS/FORMAT/07		
NAME & ADDRESS OF	Prism Johnson Ltd. Village – Mankahari, Tehsil- Rampur, Baghelan, District Satna (M.P.)	ULR No.	TC953922000003872F	
CUSTOMER:		Test Report No.	ECOLAB/WW/0492/3872/09/2022	
		Issue Date of Test Report	28.09.2022	
Type of Sample	Waste Water			
Sample Registration No.	492	Name of Location	STP Outlet	
Sampling Method	АРНА	Sample Collected By	ELPL Representative	
Date of Sample Collection	13.09.2022	Time of Sample Collection	-	
Date of Sample Received	17.09.2022	Time of Sample Received	2.20 PM	
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022	
Laboratory Environmental	Temperature: $25 \pm 2 ^{\circ}C$	Sample Quantity	As per Requirement	
Condition	Humidity: 62 %	Sample ID Code	ECO/LAB/3872/09/2022	

SI. No.	Tests	Unit	Protocol	Result	Limits of Detection	G.S.R 1265 (E)
1.	pH	-	APHA, 23rd Ed. 2017,4500 H ⁺ A+B	7.15	2-12	5.5-9.0
2.	Total Suspended Solid as TSS	mg/l	APHA, 23rdEd. 2017, 2540D	36.3	5-5000	<100.0
3.	Biochemical Oxygen Demand as BOD 3days at 27°C	mg/l	IS-3025 (Part-44) 1993	10.0	5-10000	30.0
4.	Chemical Oxygen Demand as COD	mg/l	APHA, 23rd Ed. 2017, 5220 A+C	52.0	5-50000	-
5.	Oil & Grease as O & G	mg/l	APHA, 23rd Ed. 2017, 5520 A+D	BDL	5-600	- 1
6.	Fecal Coliform	MPN/100 ml	APHA, 23 rd Ed. 2017, 9221 A + E	180.0	1.8	<1000

Statement of Conformity: The above tested parameters confirm as per **G.S.R 1265(E)**limits for above tested parameters and the results are related to the sample tested. **Note-BDL**-Below Detection Limit

Opinion/Observation:

- 1. Test results relate to the items sampled & tested.
- 2. Test report shall not be reproduced except in full without approval of the laboratory.
- 3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

Authorized By

Quality Manager

Floor Hall, House No. 5-7/8, Subject Hall, House No. 5-7/8, Subject H, Aliganj, Lucknow-226024


ECOMEN LABORATORIES PVT. LTD.

Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282



E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

			FORMAT NO. ECO/QS/FORMAT/07
NAME & ADDRESS OF	Prism Johnson Ltd.	ULR No.	TC953922000003873F
CUSIOMER:	Village Mankahari, Tehsil- Rampur, Baghelan,	Test Report No.	ECOLAB/WW/0492/3873/09/2022
	District Satna (M.P.)	Issue Date of Test Report	28.09.2022
Type of Sample	Waste Water		
Sample Registration No.	492	Name of Location	Mine Workshop after separate Treated Water
Sampling Method	АРНА	Sample Collected By	ELPL Representative
Date of Sample Collection	13.09.2022	Time of Sample Collection	-
Date of Sample Received	17.09.2022	Time of Sample Received	2.20 PM
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022
Laboratory Environmental	Temperature: $25 \pm 2 ^{\circ}\text{C}$	Sample Quantity	As per Requirement
Condition	Humidity: 62 %	Sample ID Code	ECO/LAB/3873/09/2022

SI. No.	Tests	Unit	Protocol	Result	Limits of Detection	G.S.R 1265 (E)
1.	рН	-	APHA, 23rd Ed. 2017,4500 H ⁺ A+B	7.60	2-12	5.5-9.0
2.	Total Suspended Solid as TSS	mg/l	APHA, 23rdEd. 2017, 2540D	23.8	5-5000	<100.0
3.	Biochemical Oxygen Demand as BOD 3days at 27°C	mg/l	APHA, 23rd Ed. 2017, 5210 A+B	12.0	5-10000	30.0
4.	Chemical Oxygen Demand as COD	mg/l	APHA, 23rd Ed. 2017, 5220 A+C	56.0	5-50000	-
5.	Oil & Grease as O & G	mg/l	APHA, 23rd Ed. 2017, 5520 A+D	BDL	5-600	-
6.	Fecal Coliform	MPN/100 ml	APHA, 23 rd Ed. 2017, 9221 A + E	130.0	1.8	<1000
-						

Statement of Conformity: The above tested parameters confirm as per G.S.R 1265(E)limits for above tested parameters and the results are related to the sample tested. Note-BDL-Below Detection Limit

Opinion/Observation:

- 1. Test results relate to the items sampled & tested.
- Test report shall not be reproduced except in full without approval of the laboratory. 2.
- 3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

----End of Report----

Authorized By

Quality Manager

en Laboratories Pvt. 2014. Floor Hall, House No á, Sec. -ri, Aliganj, Lucknow-Schuet

Annexure 5 (c)

Sewage Treatment Plant Capacity : 600 KLD





Green Belt development





1. Rain water harvesting pond in Mines



2.Roof top Rain water harvesting Structures:-





3. Recharge Shaft with Abandoned bore-wells: Pits of size 3 X 3 X 3 M has been made around three abandoned bore- well inside plant premises to augment the ground water level as the rainwater is directly injected into ground water table, after filtration.



4.Construction of Percolation Tank with Bore Holes: A big percolation tank of size 46.5 X 3.5 X 1.5 Meter is made with four numbers of boreholes. Perforations made in the casing inside recharge structure and wrapped with fine net. Excavated pit has been filled with conventional filters.



5. Recharge Bore Hole for Recharging the Ground Water:



5. Deeping of Ponds and construction of water harvesting structure in nearby villages:





6. Construction of water reservoir at Baghai village for water conservation:



S. No.	Land use type	Area M2	Rainfall (M)	Runoff Coefficient (As per CGWB Guidelines)	Quantity of Rainfall Runoff Generated (Available for Harvesting / Artificial Recharge)	
			Apr 22 - Sep 22		Apr 22 - Sep 22	Ī
1	Roof - Project office	386	0.93704	0.85	307	
2	Roof - School	1150	0.93704	0.85	916	
3	Roof of MRSS	1900	0.93704	0.85	1513	
4	Roof of Cement Mill Load Center U2	1100	0.93704	0.85	876	
5	Roof General Store	2000	0.93704	0.85	1593	
6	Cooler Load Centre U1	1100	0.93704	0.85	876	
7	Cooler Load Centre U2	1000	0.93704	0.85	796	
8	Runoff Water Harvesting Structure Near Guest House	30000	0.93704	0.3	8433	
9	Groundwater Recharge with Unused Bore well - 1	10000	0.93704	0.3	2811	
10	Groundwater Recharge with Unused Bore well - 2	10000	0.93704	0.3	2811	
11	Groundwater Recharge with Unused Bore well - 3	2500	0.93704	0.85	1991	
12	Groundwater Recharge Pit Connected with	9746	0.93704	0.85	7763	
12	Storm Drain - A type Colony	17307	0.93704	0.3	4865	
13	Groundwater Recharge Pit Connected with	22828	0.93704	0.85	18182	
	Storm Drain - Near Nursery	47748	0.93704	0.3	13423	
14	Ground water recharge with Unused bore well near steel yard	40000	0.93704	0.85	31859	
15	New security Barrack	10000	0.93704	0.85	7965	
16	Durtech shed	800	0.93704	0.3	225	
10		30000	0.93704	0.85	23895	
17	Packing Plant Unit I	375	0.93704	0.85	299	New Added
18	Packing Plant Unit II	1500	0.93704	0.85	1195	New Added
19	Mines Workshop	468	0.93704	0.85	373	New Added
20	Behind Club (Old Colony E&G)	104900	0.93704	0.65	63892	
21	New Security Barrack	83000	0.93704	0.65	50553	New Added
		Total R	echarge		132967	

Roof top rainwater harvesting structures Unused Bore Ground water recharge/pit -Storm Drain भारत सरकार खान गंत्रालय भारतीय खान ब्यूरो श्वेत्रीय खान नियंत्रक का कार्यालय



GOVERNMENT OF INDIA MINISTRY OF MINES INDIAN NUREAU OF MINES ON THE REGIONAL CONTROLLER OF MINES

0-21 जबलपुर, दिनांक

जबलपुर, दिनांक : 09/04/2021

रजिस्टर्ड पार्रलि द्वारा

फा) रां) - MP/Satna/Limestone/RMP-57/2020-21 प्रति

> मेसर्स प्रिज्म जॉनसन लि0 राजनीप शैवारोज सतना जिला सतना (म0प्र0) 485111

विषय- मठप्र० राज्य के सतना जिले में रिवल आपकी बगहई लाइमस्टोन खान (क्षेत्र 512.317 हैंठ) के एमसीआर- 2018 के नियम 17 (1) के अंतर्गत जमा किए गए खनन योजना के पुनर्थिलोकन का अनुमोदन।

संदर्भ :-1) आपका/ क्यू पी0 का पत्र क्रगांक - PJL/MINE/2021-790, दि0 18/01/2021 एवं जमा प्रक्रिया शुल्क की रसीद संख्या जे 257 दि0 22/01/2020।

- 2) इस कार्यालय का समसंख्यक संवीक्षा-पत्र दि०- 12/03/20201
- 3) आपका / क्यू पीo का पत्र क्रमांक PJL/MINE/BG/2021-809 दिo 19 / 03 / 2021 ।

महोदय,

In exercise of the powers conferred under Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Amendment Act, 2015 read with Government of India Order no. S.O.1857(E).dated 18/05/2016, I hereby approve the above said Review of Mining Plan including Progressive Mine Closure Plan submitted under Rule 17(1) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions:

- The Review of Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and /or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Review of Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Amendment Act, 2015, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance submitted by you for Rs. 5.12,43,000/- (Rs. Five cror Twelve Lakh Forty Three Thousand only) is valid up to 31/03/2026 and next Financial Assurance shall be submitted on or before 31/03/2026.
- 7 This approval is restricted in respect of proposals given in the document for the period from 2021-22 to 2025-26 with validity up to 31/03/2026, from the date of approval, subject to all other statutory clearances.
- 8 If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately.
- 9 The next Review of Mining Plan will be due for submission on 01/10/2025.
- 10 As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved scheme of mining under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.

संलग्नः-अनुमोदित पुनर्विलोकन खनन् योजना की एक प्रति के साथ।

भवदीय, 09 पखराज नेणिवाल) त्रीय खान नियंत्रक भारतीय खान ब्यूरो, जबलपुर

पता/ Address योजनाक्त 11 कमलानेहरू नगर, जमलपुर 482002 (90%) Scheme No. 11, Kamla Nehru Nagar, Jabalpur, 482002 (M.P.)

भारत सरकार खान मंत्रालय भारतीय खान ब्यूरो क्षेत्रीय खान नियंत्रक का कार्यालय



GOVERNMENT OF INDIA MINISTRY OF MINES INDIAN BUREAU OF MINES O/O REGIONAL CONTROLLER OF MINES

F.No. MP/Satna/Limestone/RMP-50/2021-22

To,

Shri Vivek Krishan Agnihotri, Nominated Owner, M/s Prism Johnson Limited "Rahejas" 2nd floor, Main Avenue, V.P. Road, Santacruz (W) Mumbai - 400054 जबलपुर, दिनांक : 20 / 12 / 2021

 Main Avenue, V.P. Road,

 Santacruz (W) Mumbai - 400054

 विषय: म0प्र0 राज्य के सतना जिले में स्थित आपकी प्रिज्म सीमेंट लाइमस्टोन खान (क्षेत्र 99.416 है0) जो कि ग्राम

 हिनौती एवं सिजेहटा मे अवस्थित है के एमसीआर– 2016 के नियम 17 (1) के अंतर्गत जमा किए गए अनुमोदित खनन् योजना के पुनर्विलोकन का अनुमोदन।

संदर्भ :--1) आपका पत्र क्मांक PCL/MIN/2021-21023 dated 29/10/2021, Received in this office on

03/11/2021 भारतकोष द्वारा जमा प्रक्रिया शुल्क की रसीद संख्या 2409210015324 dt.24/09/2021

- 2) इस कार्यालय का समसंख्यक संवीक्षा-पत्र दि0-01/12/2021
- 3) आपका / क्यू पी0 का पत्र कमांक PCL/MIN/2021-210309 dated 15/12/2021.

महोदय,

In exercise of the powers conferred under Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Amendment Act, 2015 read with Government of India Order no. S.O.1857(E),dated 18/05/2016, I hereby **Approve** the above said Review of Mining Plan submitted under Rule 17(1) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions:

- 1 The Review of Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government, State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and /or given in the document is based on the lease map /sketch submitted by the lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Review of Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Amendment Act, 2015, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance(FA) furnished by you for Rs. 1,15,02,000/- (Rs. One Crore Fifteen Lakh Two Thousands only) is valid up to 31/03/2027 and next FA shall be submitted on or before 31/03/2027.
- 7 If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately
- 8 As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved review of mining plan under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.
- 9 This approval is restricted in respect of proposals given in the document for the period 2022-23 to 2026-27 with a validity up to 31/03/2027, subject to all other statutory clearances.
- 10 The next Review of Mining Plan will be due for submission on 01/10/2026.

संलग्नः-अनुमोदित पुनर्विलोकन खनन् योजना की एक प्रति के साथ।

भवदीय. नेणिवाल) पखराज क्षेत्रीय खान नियंत्रक भारतीय खानब्यूरो, जबलपुर

रजिस्टर्ड पार्शल द्वारा

DOVERNMENT OF INDIA MINISTRY OF MINES INDIAN BURGAU OF MINES D/D THE REGIONAL CONTROLLER OF MINES

जबलपुर, दिनांक 3V 03/2020

여전 - MP/Satna/Limestone/RMP-39/2019-20 미슈.

WING HUMIN

खान मंत्रालय

भारतीय खान महरी

होत्रीय खान नियंत्रक का कार्यालय

- मेंo प्रिच्म जॉनसन लिमिटेब, "राजदीप" रीवा रोड,
 - जिला सतना, (म०प०) 485001
- विषय- म०प० राज्य के सतना जिले में रिश्वत आपकी प्रिष्म सीमेंद्र लाइमस्टोन खान (क्षेत्र 772.067 है०) के एमसीआर- 2018 के नियम 17 (1) के अंतर्गत जमा किए गए खनन योजना के पुनर्दिलोकन का अनुमोदन।
- संदर्भ :−1) आपका/क्यू धी० का पत्र क्रमांक −IVCL/MIN/2019-19289, दि० 24/12/2019, प्रक्रिया शुल्क की रसीद संख्या J/089, दि० 29/01/2020 ।
 - 2) इस कार्यालय का समसंख्यक पत्र दि०- 03/03/2020 ।
 - 3) आपका / वयू पीo का पत्र कमांक PCL/MIN/2020. दि0 11 / 03 / 2020 1

महोदय.

In exercise of the powers conferred by the Clause (b) of Sub-section (2) of Section 5 of Mines and Minerals (Development and Regulation) Amendment Act, 2015 read with Government of India Order no. S.O.1857(E),dated 18/05/2016, I hereby approve the above said Review of Mining Plan including Progressive Mine Closure Plan submitted under Rule 17(1) of Minerals (Other than Atomic and Hydrocarbons Energy Minerals) Concession Rules, 2016. This approval is subject to the following conditions:

- 1 The Review of Mining Plan is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government. State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and /or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Review of Mining Plan does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Amendment Act, 2015, or the Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance submitted by you for Rs. 5.49.00,000/- (Rs. Five Crore Forty Nine Lakh only) is valid up to 31/03/2025 and next Financial Assurance shall be submitted on or before 31/03/2025.
- 7 This approval is restricted in respect of proposals given in the document for the period from 2020-21 to 2024-25 with validity up to 31/03/2025, from the date of approval, subject to all other statutory clearances.
- 8 If the approval conflicts with any other law or court order/direction under any statute, it shall be revoked immediately.
- 9 The next Review of Mining Plan will be due for submission on 01/10/2024.
- 10 As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved scheme of mining under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.

संलग्न-अनुमोदित पुनर्विलोकन खनन् योजना की एक प्रति के साथ।

8 Javel, 2020

(रजनीश पुरोहित) क्षेत्रीय खान नियंत्रक भारतीय खान ब्यूरो, जबलपुर

रजिस्टर्ड / साधारण ढाक

GOVERNMENT OF INDIA MINISTRY OF MINES INDIAN BUREAU OF MINES O'D THE REGIONAL CONTROLLER OF MINES

Jabalpur,dt. 4-/11/2016

No. : MP/Satna/Limestone /M.Sch-6/16-17

M/s Prism Cemept Ltd., Rajdeep,Reva Road,Satna, District Satna (MP) 485001

HICANTONIE

वानन बालय

भारतीय खानम्पूरी

क्षेत्रीय खाननियंत्रक काकार्यालय

विषयः – मठप्रठ राज्य के सलना जिले में रिशत आपकी मेंबी (Mendhi) लाइमस्टोन खान (क्षेत्र 117.594हेठ) के एमसीडीआर-1988 के नियम 12 के अंतर्गत जमा किए गए माइनिंग स्वरीम का अनुमोदन।

संदर्भ- 1) आपके द्वारा जमा किया गया प्रक्रिया शुल्क के रसीद संख्या J/170 दि0- 30/05/2018, आपका पत्र क्रमांक कुछ नही दि0 23/05/2018 एवं 19/09/2016।

2) इस कार्यालय का समसंख्यक पत्र दि०-12/09/2016।

महोदय

To:

खनिज संरक्षण एवं विकास नियमावली, 1988 के नियम 12 के उपनियम (4) के हारा प्रवत्त शक्तियों के अधीन एतद हारा मठप्रठ राज्य के सतना जिले में रिधत आपकी मेढी (Mendhi) लाइमस्टोन खान (क्षेत्र 117.594हेठ) की माइनिंग स्कीम का अनुमोदन प्रदान करता हूँ। यह अनुमोदन निम्नलिखित हर्तों के अधीन है–

- 1 The Scheme of mining is approved without prejudice to any other law applicable to the mine area from time to time whether made by the Central Government. State Government or any other authority and without prejudice to any order or direction from any court of competent jurisdiction.
- 2 The proposals shown on the plates and/or given in the document is based on the lease map /sketch submitted by the applicant/ lessee and is applicable from the date of approval.
- 3 It is clarified that the approval of aforesaid Scheme of Mining does not in any way imply the approval of the Government in terms of any other provision of Mines & Minerals (Development & Regulation) Act, 1957, or the Mineral Concession Rules, 1960 and any other laws including Forest (Conservation) Act, 1980, Environment (Protection) Act, 1986 or the rules made there under, Mines Act, 1952 and Rule & Regulations made there under.
- 4 Indian Bureau of mines has not undertaken verification of the mining lease boundary on the ground and does not undertake any responsibility regarding correctness of the boundaries of the leasehold shown on the ground with reference to lease map & other plans furnished by the applicant / lessee.
- 5 At any stage, if it is observed that the information furnished, data incorporated in the document are incorrect or misrepresent facts, the approval of the document shall be revoked with immediate effect.
- 6 The Financial Assurance submitted by you for Rs 16,25,000 (Rs. Sixteen Lakh Twenty Five Thousand only) valid up to 31/03/2021 and next Financial Assurance shall be submitted on or before 31/03/2021.
- 7 This approval is restricted in respect of proposals given in the document for the period from 2016-17 to 2020-21 validity up to 31/03/2021 from the date of approval, subject to all other statutory clearances.
- 8 The next scheme of mining will be due for submission on 01/12/2020.
- 9 As per Madhya Pradesh State Government's order dated 10/08/2011 if there is enhancement of production proposed from that in the approved scheme of mining under such circumstances additional stamp duty has to be paid by the lessee for the enhances quantum of production and also a supplementary agreement has to be made by the lessee.
- 10 If the approval conflict with any other law or court order/direction under any statute, it shall be revoked immediately.

संलग्न-अनुमोदित माइनिंग रकीम की एक प्रति के साथ।

भवदीय

८ ग २००७, २०१२ (रजनीश पुरोहित) क्षेत्रीय खान नियंत्रक भारतीय खान ष्यूरो, जबलपुर

Annexure 9

Table no. 1. ML area 772.067 Ha. (Hinauti & Sijahata) Present Dumps status

Dump No.	Location of Dump	Present Height of Dump (m)
S1	300E to 400E and 80N to 220N	2.0
S2	410E to 880E and 210N to 50N	6.0
S3	920E to 1010E and 320N to 360N	4.0
S4	1060E to 1220E and -60N to 320N	6.0

Table no. 2. ML area 99.416 Ha. (Hinauti & Sijahata)

Present Dumps status

Dump No.	Location of Dump	Present Height of Dump (m)
D1	1720E to1810E and -1130N to-1155N	6.0
D2	1670E to1720E and -1240N to-1120N	6.7

Table no. 3. ML area 512.317 Ha. (Baghai) Present Dumps status

Dump No.	Location of Dump	Present Height of Dump (m)
S1	644E to 685E and 2092N to 2317N	3.5
S2	848E to 915E and 1432N to 1500N	15.0
S3	927E to 959E and 1242N to 1356N	4.0
S4	1060E to 1220E and -60N to 320N	3.5
S5	1112 E to 1162 E and 997 N to 1187 N 4.0	
S6	1478 E to 1540 E and 1307 N to 1438 N	4.0
WS1	635E to 692E and 2338N to 2397N	3.0
WS2	879E to 904E and 2292N to 2323N	3.0
WS4	790E to 868E and 1477N to 1753N	13.0
WS5	1400E to 1538E and 1354N to1531N	13.0

Table no. 4. ML area 117.594 Ha. (Mendhi)

Present Dumps status:-Nil

photographs of Dumps:





PLAN FOR PROTECTION OF THE NATURAL WATER COURSE PASSING NEARBY PRISM CEMENT LIMITED LEASE AREAS

1. INTROCUCTION:

The Limestone Mine of M/s. Prism Johnson Ltd. is near villages Hinauti & Sijhatta in district of Satna, Madhya Pradesh. The area is in Vindhyan Limestone/shale formations, where Limestone is bearing mined from mining lease areas of 772.067 Ha. 117.594 Ha. 512.317 Ha. 99.416 Ha., amongst other mining leases. As per the conditions of the Environment Clearance, a plan was protection of natural water courses passing nearby Prism Cement Ltd. Leases was to be prepared and submitted.

The natural water courses under the present plan comprise Tamas River, Nar Nala and Magardha Nala.

2. LAND USE IN THE BUFFER AREA OF THE LEASES:

Buffer zone:

The land use of buffer zone is given in **Table 1** based on satellite imaginary and census data.

LAND USE	AREA (in Hectares)	AREA (in %)
River/Canal	634.71	1.32
Ponds/Reservoir	561.73	1.17
Stonsy area	144.16	0.30
Open land	441.36	0.92
Open scrub land	3737.14	7.76
Forest Land	1685.11	3.50
Plantation	2445.89	5.08
Fallow land	29729.69	61.77
Crop land	7542.87	15.67
Human Settlement	706.28	1.47
Industrial Area	75.80	0.16
Mine Quarry	425.75	0.88
Total	48310.49	100

Land Use / Land Cover Details of Buffer Zone Area

(Source - EIA/EMP)

3. DRAINAGE:

The Tamas (Tons) River mainly controls the drainage pattern. The none seasonal nalla viz. Magardaha and Nar nala flowing on west and east of the lease area respectively flow towards north and ultimately join the Tamas River. The area is almost flat with gentle slope towards East and Northeast. A substantial part of rainfall in the area drains away as surface run-off, along streamlets towards the Northeast to the Tamas River. The drainage map of Tamas (Tons) sub basin of Ganga basin is depicted in **Figure 2**. The drainage pattern of buffer zone (part of Tamas sub basin) is also given in **Figure 3**.



FIGURE 2

FIGURE-3



4. HYDROMETEROLOGY:

Madhya Pradesh state is situated within 180 N to 250 N and 740 E to 820 E experiences tropical climate. Frontispieces gives the orographic feature of the state. Geographical location and orographic features have profound influence on the climate of area. As per IMD the year may be divided into four seasons. The winter season from January to February is followed by the summer season from March to May. The period from June to September constitutes the southwest monsoon season and the period from October to December form the post monsoon season.

4.1 **Rainfall :** Rainfall data of Mine site and Satna IMD station are collected for the project of 2008 to 2014 and given in (**Table NO. -2**).

Month/	2008	20	09	20	10	20	11	20	12	20	13	2014
Year	Mine Site	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site	Satna	Mine Site
Jan	2.0	35.3	12.9	8.8	1.7	0.0	0.0	36.0	32.3	0.0	0.0	38.9
Feb	35.1	0.0	0.0	13.3	5.5	1.0	0.9	0.0	0.0	67.9	45.9	104.3
Mar	1.3	3.6	1.4	0.0	0.0	3.2	0.2	3.6	3.9	34.6	11.5	29.3
Apr	12.0	0.7	3.8	0.0	0.1	0.0	1.1	0.0	0.2	1.8	4.2	8.7
May	12.5	10.5	14.5	18.6	1.6	36.2	7.3	0.0	0.0	0.0	0.0	1.3
Jun	215.6	12.5	25.8	16.9	16.4	313.9	328.6	17.9	15.6	270.4	384.2	90.2
Jul	216.8	173.2	207.6	283.3	228.1	140.2	252.1	380.7	279.7	576.5	338.6	305.2
Aug	220.2	214.9	192.5	198.3	209.7	206.7	289.8	435.0	455.1	414.5	451.6	127.2
Sep	71.5	109.7	152.0	213.5	176.4	205.3	143.9	132.1	169.3	134.9	71.5	193.9
Oct	0.0	72.9	220.4	29.6	13.7	0.0	3.1	15.1	2.5	131.4	143.7	200.7
Nov	20.1	80.9	58.9	11.8	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dec	0.0	2.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.9
Total	807.1	716.7	892.7	794.0	662.9	906.5	1027.0	1020.3	958.6	1631.9	1451.2	1121.7

TABLE NO.2 Year wise rainfall data (2008 to 2014) : Satna and Mine Site

(Source - Mine & Satana Dist.)

5. GEOLOGY:

The relevant portion of Geological report of the area have been adapted for present study. Part of compilation done from other references.

5.1 Regional Geology

Geologically, this area forms part of the Rewa Plateau belonging to the Upper Vindhyan Supergroup of rock formations in Indian stratigraphy. The Vindhyan formations are roadly classified into lower calcareous and an upper arenaceous facies.

The limestone deposit in the area of investigation belongs to the Bhander series. The general trend of Bhander Limestone is East - Northeast to West - Southwest having low southerly dips of less than 5[°]. The litho stratigraphy of Vindhyan formation is given in **Table NO.3**

Supergroup	Group	Formation		
• • •		Maihar Sandstone		
	Bhander Group	Sirbu Shale		
		Bhander Limestone		
Vindbyan Supararaun	Rewa Group	Sandstone and shale		
vindnyan Supergroup	Kaimur Group	Sandstone and shale		
	UNCONFORMITY			
		Rohtas Formation		
		Khemjua Formation		
	Semri Group	Porcellance Formation		
	•			
		Basal Formation		
	UNCONFORMITY	Basal Formation		

TABLE NO.3 Litho stratigraphy of Satna District

5.2 Local Geology:

The detailed geological prospecting was carried out by GEM Division of ACC to identify the geological structure in the area and association of different rock types. The lithological succession of various formations encountered in the area of investigations based on the sub-surface data generated is as follows:

Overburden Soil Buff to pale grey magnesian limestone Upper shaly limestone Grey limestone Lower shaly limestone Grey to grayish grey shale

6.0 SUGGESTED STRUCTURES FOR PROTECTION AND DEVELOPMENT OF NATURAL WATER COURSES:

6.1 RAINWATER HARVESTING

6.1.1 General: Rain water harvesting can be defined as activity of direct collection of Rain

water and storage of rainwater as well as other activity aimed at harvesting and conserving surface and ground water preventing loss through evaporation and seepage and other hydrological studies and engineering inventions aiming at most efficient utilization of rainwater towards best use for the humanity.

The detail project report for rainwater harvesting is given below incorporating; source, area, design of individual structure within mine lease area and outside.

6.1.2 Source of Water:

The source or water available for rainwater harvesting is only surface water. The resource estimation for lease area has been done considering total lease area of 10.25 km2 (7.72 km2 + 2.53 km2). Monsoon normal rainfall 0.973 m and surface runoff coefficient of 0.40. The estimated surface water resource will be 3.99 MCM out of this 0.58 MCM will be used in plant & mine. The mine water discharge will be zero. It is expected that remaining estimated resource 3.41 MCM will be available for recharge to the system and future use. CGWA while granting ground water had laid condition for implementation of ground water recharge measure to the tune of 1.206 MCM/ year for augmenting the ground water resource of the area.- Source of data, Hydrological Studies Report.

6.1.3 Identification of area:

The areas identified within lease area are given in Table No.4

Sr. No.	Identification of area	Unit
1	Surface water reservoir in the Mined out area as recharge	3 Nos
	pond.	
2	Check dam on Nar nadi.	8 Nos
3	Office and residential building area for Rooftop rainwater	10 Nos
	harvesting	
4	Lease area (side of retention wall) of dump for recharge pit	4 Nos
	with shaft structure	
5	Recharge trench in colony area.	500 m
6	In the colony area away from mine for Gravity head recharge	10 Nos
	tubewell.	

 Table no. 4: Identification of area

These structures in respective areas will augment the ground water table and shall reduce load on the natural water courses for rural utility of irrigation amongst others.

In addition to the measures taken above, the area in proximity to Tamas River, Magardha Nala and Nar Nala will be provided with bunds above and beyond HFL. Safety barrier of 50 meters will be left our permanently. This barrier will be densely planted thus making the water courses totally immune from mining activities. No mine water will be discharged in the natural water courses without de-siltation in the settling ponds.

The garland drains with check dams are constructed all along the peripheries of the lease area. De-siltation of natural water ways up-stream and down-stream, will be undertaken after consultation with the authorities to keep the natural water courses healthy.

Periodical deepening of village ponds and de-siltation of the same will be carried out to augment water bodies in surrounding areas.

6. CONCLUSION AND REOCMMENDATION:

The natural water ways protection plan will be updated to accommodate new ideas and government water development programs. The present plan with all implementation will keep the natural water courses safe and healthy.



ECOMEN LABORATORIES PVT. LTD.

Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI



An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/09				
	Prism Johnson Ltd.	ULR No.	TC953922000003890F	
NAME & ADDRESS OF	Village – Mankahari,	Test Report No.	ECOLAB/DW/0492/3890/09/2022	
CUSTOMER:	Tehsil- Rampur, Baghelan,	Issue Date of Test Report	28.09.2022	
	District Satna (M.P.)			
Type of Sample	Ground Water			
	102		PCL Colony Supply Water –	
Sample Registration No.	492	Name of Location	Bore Well	
Sampling Method	APHA	Sample Collected By	ELPL Representative	
Data of Sample Collection	12.00.2022	Time of Sample		
Date of Sample Conection	13.09.2022	Collection	-	
Date of Sample Received	17.09.2022	Time of Sample Received	2.20 PM	
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022	
Laboratory Environmental	Temperature: $25 \pm 2 \ ^{\circ}C$	Sample Quantity	As per Requirement	
Condition	Humidity: 62 %	Sample ID Code	ECO/LAB/3890/09/2022	

Sl. No.	TESTS	Unit	PROTOCOL	Detection Range	RESULT	INDIAN STANDARDS as per IS 10500:2012(Reaff:2018)	
						Desirable	Permissible
1.	Colour	Hazen	APHA, 23 rd Ed. 2017, 2120 B	5-100	<5.0	5.00	15.0
2.	Odour	-	APHA, 23 rd Ed. 2017, 2150 B	Qualitative	Agreeable	Agreeable	Agreeable
3.	Turbidity	NTU	APHA, 23 rd Ed. 2017, 2130-A+B	1 - 100	1.24	1.0	5.0
4.	рН	mg/l	APHA, 23 rd Ed. 2017, 4500H+ A+B	2.0 -12	7.19	6.5-8.5	No Relax.
5.	Total Dissolved Solids as TDS	mg/l	APHA, 23 rd Ed. 2017, 2540-C	5 - 5000	637.0	500	2000
6.	Alkalinity	mg/l	APHA, 23 rd Ed. 2017, 2320 A+ B	5-1500	196.0	200	600
7.	Total Hardness as CaCO3	mg/l	APHA, 23rd Ed. 2017, 2340 A+C	5-1500	264.0	200.0	600.0
8.	Calcium as Ca	mg/l	APHA, 23 rd Ed. 2017, 3500 Ca A+B 5 - 1000 65.6		75.0	200.0	
9.	Magnesium as Mg	mg/l	APHA, 23rd Ed. 2017, 3500 Mg A+B	5-1000	24.3	30.0	100.0
10.	Chloride as Cl	mg/l	APHA, 23 rd Ed. 2017, 4500 CI A+B 5-1000		62.0	250.0	1000.0
11.	Fluorides as F	mg/l	APHA, 23 rd Ed. 2017, 4500-C	0.05-10	0.40	1.0	1.5
12.	Sulfate as SO4	mg/l	APHA, 23rd Ed. 2017, 4500-SO42- E	1.0 -250	91.9	200.0	400.0
13.	Nitrate Nitrogen as NO3	mg/l	APHA, 23 rd Ed. 2017, 4500-NO ₃ B	5,0 - 100	13.9	45.0	No Relax.
14.	Manganese as Mn	mg/l	APHA, 23rd Ed. 2017, 3111 A+B	0.1-5	BDL	0.10	0.30
15.	Zinc as Zn	mg/l	APHA, 23 rd Ed. 2017, 3111 A+B	0.02-50	0.13	5,0	15
16.	Arsenic as As	mg/l	APHA, 23rd Ed. 2017, 3114 C	0.01-2	BDL	0.01	0.05
17.	Total Chromium as Cr	mg/l	APHA, 23 rd Ed. 2017, 3111 - A +B	0.04-10	BDL	0.05	No Relax
18.	Copper as Cu	mg/l	APHA, 23 rd Ed. 2017, 3111 A+B	0.05-5	BDL	0.05	1.5
19.	Aluminium as Al	mg/l	APHA, 23 rd Ed. 2017(3111-A+B)	1.0-100	BDL	0.03	0.2
20.	Free Residual Chlorine	mg/l	APHA, 23 rd Ed. 2017, 4500-Cl B	0.5-10	BDL	0.20	1.0
21.	Sulphide as H ₂ S	mg/l	APHA, 23rd Ed. 2017, Reprint 2007	0.04-10	BDL	0.05	No Relax
22.	Iron as Fe	mg/l	APHA, 23rd Ed. 2017, 3500 Fe B	0.02-50	0.19	0.3	No Relax.

Statement of Conformity: The above tested parameters confirm as per IS-10500-2012 (Reaff.-2018) limits for above tested parameters and the results are related to the sample tested. Note:- BDL-Below Detection Limit. Opinion/Observation:

- 1. Test results relate to the items sampled & tested.
- 2. Test report shall not be reproduced except in full without approval of the laboratory.
- 3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

----End of Report----

Authorized By

Quality Manager

Ecomen Laboratories Pvt. Ltd. Second Floor Hall, House No. 8-1/8, Sector-H, Aliganj, Lucknow-226024

ECOMEN LABORATORIES PVT. LTD.



Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282

E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

		FORMAT	<u>CNO. ECO/QS/FORMAT/09</u>
	Prism Johnson Ltd.	ULR No.	TC953922000003890P
NAME & ADDRESS OF	Village – Mankahari,	Test Report No.	ECOLAB/DW/0492/3890/09/2022
CUSTOMER:	Tehsil- Rampur, Baghelan,	Issue Date of Test Report	28.09.2022
	District Satna (M.P.)		
Type of Sample	Ground Water		
Commis Desistantian No.	102	New Classic	PCL Colony Supply Water –
Sample Registration No.	492	Name of Location	Bore Well
Sampling Method	АРНА	Sample Collected By	ELPL Representative
Date of Sample Collection	12 00 2022	Time of Sample	
Date of Sample Conection	15.09.2022	Collection	-
Date of Sample Received	17.09.2022	Time of Sample Received	2.20 PM
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022
Laboratory Environmental	Temperature: $25 \pm 2 \degree C$	Sample Quantity	As per Requirement
Condition	Humidity: 62 %	Sample ID Code	ECO/LAB/3890/09/2022

SI. No.	TESTS	Unit	PROTOCOL	Detection Range	RESULT	INDIAN STANDARDS as per IS 10500;2012(Reaff:2018)	
				, , , , , , , , , , , , , , , , , , ,		Desirable	Permissible
1.	Taste	-	APHA, 23rd Ed. 2017, A+B	APHA, 23 rd Ed. 2017, A+B Qualitative Agreeable A		Agreeable	Agreeable
2.	Lead as Pb	mg/l	APHA, 23rd Ed. 2017, 3111 A+B	0.01-2	BDL	0.01	No Relax.
3,	Cadmium as Cd	mg/l	APHA, 23 rd Ed. 2017, 3111 A+B	0.002-2	BDL	0.003	No Relax
4.	Nickel as Ni	mg/l	APHA, 23 rd Ed. 2017, 3111 A+B	0.02-5	BDL	0.02	No Relax
5.	Mercury as Hg	mg/l	APHA, 23rd Ed. 2017, 3112 A+B	0.001-1	BDL	0.001	No Relax.
6.	Boron as B	mg/i	APHA, 23 rd Ed. 2017, 4500 B A+C	0.2 - 10	0.26	0.5	1.0
7.	Iodide as I	mg/l	APHA, 23 rd Ed. 2017, 4500 - 1B	0.1-10	BDL	-	-
8.	Total coliform	MPN/100 ml	APHA, 23 rd Ed. 2017, 9221 B+C	1.8	Absent	Absent	Absent
9.	E.coli	MPN/100 ml	APHA, 23 rd Ed. 2017, 9221B+E	1.8	Absent	Absent	Absent

Statement of Conformity: The above tested parameters confirm as per IS-10500-2012 (Reaff.-2018) limits for above tested parameters and the results are related to the sample tested. Note:- BDL-Below Detection Limit. Opinion/Observation:

t. Test results relate to the items sampled & tested.

2. Test report shall not be reproduced except in full without approval of the laboratory.

3. The test samples will be disposed of after one Month from the date of issue of test report.

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Technical Manager

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Quality Manager

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Second Floor Hall, House No. B-1/8, Sector-H, Aliganj, Lucknow - 226 024 LABORATORIES F Phone No. : 0522 - 4079201/2746282 E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

FORMAT NO. ECO/QS/FORMAT/23 REPORT NO: ECO LAB/Piezo/GW/09/22 TEST REPORT ISSUE DATE: 24.09.2022

REPORT OF WATER LEVEL MEASUREMENT

Name of the Customer Address of the Customer	 Prism Johnson Ltd. Village - Mankahari, Tehsil - Rampur Baghelan Distt. Satna (M.P.)
Measurement by	: ELPL Representative
Date of Measurement	: 15.09.2022

SI. No.	Piezometer Name	Water Level (meter)
1.	Near Colony Gate	07.85
2.	Behind B Block colony	07.30
3.	Behind C Block colony	03.41
4.	Auto Work Shop	12.68
5.	In Front Den	04.10
6.	Rose Garden near boundary	12.81
7.	Rose Garden near road	12.89
8.	Western Block Mines	07.80
9.	Near New Magazine Mines	08.23
10.	Mankahari Mines	14.64
11.	Mines near Ramprasan	10.71
12.	Medi Mines	12.24

Verified By

Technical Manager

----End of Report----

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Quality Manager

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Velocity (mm/s)

Date/Time	Vert at 12:22:03 April 1, 2019
Trigger Source	Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
Range	Geo : 254.0 mm/s
Record Time	1.75 sec at 1024 sps
Operator/Setup:	Operator/SSB.MMB

Notes

Location: Client: User Name: PRISM:CEMENT:LTD General:

Extended Notes .

PRISM CEMENT LIMESTONE MINES

Microphone	Linear Weighting
PSPL	0.683 pa.(L) at 0.042 sec
ZC Freq	20 Hz
Channel Test	Passed (Freq = 19.7 Hz Amp = 1270 my)

	Tran	Vert	Long	
PPV	1.048	3.310	0.859	mm/s
ZC Freq	2.9	64	5.3	Hz
Time (Rel. to Trig)	0.106	0.003	0.126	• sec
Peak Acceleration	0.034	0.267	0.048	g
Peak Displacement	0.045	0.013	0.020	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.3	Hz
Overswing Ratio	3.5	3.3	3.6	

Peak Vector Sum 3.313 mm/s at 0.003 sec

Serial Number Battery Level File Name

UM8131 V 10-76 Micromate ISEE 3.8 Volts

Unit Calibration February 26, 2018 by UES New Delhi UM8131_20190401122203.IDFW Scaled Distance 16.9 (100.0 m, 35.0 kg)

Post Event Notes

Eastern block 2nd bench, No of holes -34 nos, Depth - 7 Mtrs Charge/delay - 25 Kg/delay, Obsevation Distance - 200 Mtr





Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div Trigger = 🕨 - -

Printed: April 16, 2019 (V 10.72 - 10.72)



Velocity (mm/s)

Date/Time	Tran at 11:46:51 April 9, 2019
Trigger Source	Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
Range	Geo : 254.0 mm/s
Record Time	3.75 sec at 1024 sps
Operator/Setup:	Operator/SSB.MMB

Notes

Location: Client: User Name: PRISM:CEMENT:LTD General:

Extended Notes PRISM CEMENT LIMESTONE MINES

Microphone	Linear Weighting
PSPL	0.574 pa.(L) at 1.888 sec
ZC Freq	6.7 Hz
Channel Test	Passed (Freq = $19.7 \text{ Hz Amp} = 1207 \text{ my}$)

	Tran	Vert	Long	
PPV	2.759	0.749	1.576	mm/s
ZC Freq	9.7	19	8.7	Hz
Time (Rel. to Trig)	1.841	2.180	0.272	sec
Peak Acceleration	0.019	0.012	0.012	g
Peak Displacement	0.043	0.019	0.029	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.5	7.3	Hz
Overswing Ratio	3.4	3.4	3.9	

Peak Vector Sum 3.135 mm/s at 1.841 sec

Serial Number **Battery Level**

UM8131 V 10-76 Micromate ISEE 3.8 Volts

Unit Calibration February 26, 2018 by UES New Delhi
 File Name
 UM8131_20190409114651.IDFW

 Scaled Distance
 16.9 (100.0 m, 35.0 kg)

Post Event Notes

H 10 1st bench, No of holes -41 nos, Depth - 7 Mtrs Charge/delay - 45.4 Kg/delay, Obsevation Distance - 200 Mtr







Trigger = 🕨 Printed: April 27, 2019 (V 10.72 - 10.72)

-

1



Velocity (mm/s)

Date/Time	Tran at 10:30:03 April 5, 2019
Trigger Source	Geo: 0.900 mm/s, Mic: 2.000 pa.(L)
Range	Geo : 254.0 mm/s
Record Time	5.0 sec at 1024 sps
Operator/Setup:	Operator/SSB.MMB

Notes

Location: Client: User Name: PRISM:CEMENT:LTD General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Linear Weighting Microphone 0.822 pa.(L) at 2.860 sec PSPL ZC Freq 3.3 Hz Channel Test Passed (Freq = 19.7 Hz Amp = 1227 mv)

	Tran	Vert	Long	
PPV	2.491	1.001	2.703	mm/s
ZC Freq	10	12	8.3	Hz
Time (Rel. to Trig)	2.941	2.795	2.154	sec
Peak Acceleration	0.024	0.037	0.016	g
` eak Displacement	0.044	0.010	0.050	mm
Jensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.6	3.3	3.6	

Peak Vector Sum 2.743 mm/s at 2.155 sec



File Name

Unit Calibration February 26, 2018 by UES New Delhi UM8131 20190405103003.IDFW

Scaled Distance 16.9 (100.0 m, 35.0 kg) Post Event Notes

Sijhata 3rd bench, No of holes -28 nos, Depth - 6 Mtrs Charge/delay - 16 Kg/delay, Obsevation Distance - 250 Mtr





Printed: April 27, 2019 (V 10.72 - 10.72)



Date/Time Vert at 11:32:31 April 5, 2019 **Trigger Source** Geo: 0.900 mm/s, Mic: 2.000 pa.(L) Range Geo : 254.0 mm/s Record Time 5.0 sec at 1024 sps Operator/Setup: Operator/SSB.MMB

Notes

MicL

Long

Vert

Tran

Location: Client: User Name: PRISM:CEMENT:LTD General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Linear Weighting Microphone PSPL 0.636 pa.(L) at 4.490 sec ZC Frea 5.0 Hz Channel Test Passed (Freq = 19.7 Hz Amp = 1226 mv)

	Tran	Vert	Long	
PPV	0.638	1.167	0.607	mm/s
ZC Freq	6.9	22	9.1	Hz
Time (Rel. to Trig)	0.225	0.022	-0.215	sec
Peak Acceleration	0.008	0.025	0.006	g
Peak Displacement	0.012	0.008	0.009	mm
Jensor Check	Passed	Passed	Passed	
Frequency	7.1	7.5	7.1	Hz
Overswing Ratio	3.3	3.2	3.3	

Peak Vector Sum 1.234 mm/s at 0.022 sec

Serial Number UM8131 V 10-76 Micromate ISEE Battery Level 3.8 Volts Unit Calibration February 26, 2018 by UES New Delhi File Name UM8131_20190405113231.IDFW Scaled Distance 16.9 (100.0 m, 35.0 kg) Post Event Notes H 19 1st bench, No of holes -04 nos, Depth - 6 Mtrs Charge/delay - 18.75 Kg/delay, Obsevation Distance - 150 Mtr

USBM RI8507 And OSMRE



Trigger = 🕨 Printed: April 27, 2019 (V 10.72 - 10.72)

0.0



Velocity (mm/s)

ran at 10:42:18 April 6, 2019
eo: 0.900 mm/s, Mic: 2.000 pa.(L)
eo : 254.0 mm/s
.991 sec at 1024 sps
perator/SSB.MMB

Notes

Location: Client: User Name: PRISM:CEMENT:LTD General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

MicrophoneLinear WeightingPSPL4.220 pa.(L) at 1.423 secZC Freq4.0 HzChannel TestPassed (Freq = 19.7 Hz Amp = 1217 mv)

	Tran	Vert	Long	
PPV	4.272	1.293	3.476	mm/s
ZC Freq	7.0	6.5	9.1	Hz
Time (Rel. to Trig)	2.043	1.714	1.760	sec
Peak Acceleration	0.028	0.023	0.022	g
Peak Displacement	0.097	0.022	0.061	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.4	3.2	3.6	

Peak Vector Sum 4.517 mm/s at 2.043 sec



7050 2nd bench, No of holes -36 nos, Depth - 6.5 Mtrs Charge/delay - 32.5 Kg/delay, Obsevation Distance - 200 Mtr







Printed: April 27, 2019 (V 10.72 - 10.72)



Velocity (mm/s)

Date/Time Tran at 10:32:26 April 8, 2019 Trigger Source Geo: 0.900 mm/s, Mic: 2.000 pa.(L) Geo: 254.0 mm/s Range Record Time 1.75 sec at 1024 sps Operator/Setup: Operator/SSB.MMB

Notes

Location: Client: User Name: PRISM:CEMENT:LTD General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

Microphone Linear Weighting PSPL 0.621 pa.(L) at -0.205 sec ZC Freq 10 Hz Channel Test Passed (Freg = 19.7 Hz Amp = 1210 mv)

	Tran	Vert	Long	
PPV	3.681	0.891	1.356	mm/s
ZC Freq	9.7	8.8	11	Hz
Time (Rel. to Trig)	0.705	0.134	0.959	sec
Peak Acceleration	0.026	0.014	0.012	g
Peak Displacement	0.060	0.019	0.025	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.5	3.3	3.5	

Peak Vector Sum 3.697 mm/s at 0.705 sec

UM8131 V 10-76 Micromate ISEE Serial Number Battery Level 3.8 Volts Unit Calibration February 26, 2018 by UES New Delhi File Name UM8131 20190408103226.IDFW Scaled Distance 16.9 (100.0 m, 35.0 kg) Post Event Notes

EPR 2nd bench, No of holes -32 nos, Depth - 6.5 Mtrs Charge/delay - 17.9 Kg/delay, Obsevation Distance - 150 Mtr

USBM RI8507 And OSMRE







Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div Trigger = 🕨 ----

Sensor Check

Printed: April 27, 2019 (V 10.72 - 10.72)



 Date/Time
 Tran at 10:34:05 April 9, 2019

 Trigger Source
 Geo: 0.900 mm/s, Mic: 2.000 pa.(L)

 Range
 Geo: 254.0 mm/s

 Record Time
 3.25 sec at 1024 sps

 Operator/Setup:
 Operator/SSB.MMB

Notes

MicL

Long

Vert

Tran

Location: Client: User Name: PRISM:CEMENT:LTD General:

Extended Notes

PRISM CEMENT LIMESTONE MINES

MicrophoneLinear WeightingPSPL0.714 pa.(L) at 0.962 secZC Freq11 HzChannel TestPassed (Freq = 19.7 Hz Amp = 1205 mv)

	Tran	Vert	Long	
PPV	4.398	0.631	1.608	mm/s
ZC Freq	9.3	7.0	9.5	Hz
Time (Rel. to Trig)	0.501	0.303	0.896	sec
Peak Acceleration	0.027	0.016	0.013	g
Peak Displacement	0.073	0.013	0.026	mm
ensor Check	Passed	Passed	Passed	
Frequency	7.3	7.7	7.1	Hz
Overswing Ratio	3.4	3.2	3.3	

Peak Vector Sum 4.437 mm/s at 0.501 sec

Serial NumberUM8131 V 10-76 Micromate ISEEBattery Level3.8 VoltsUnit CalibrationFebruary 26, 2018 by UES New DelhiFile NameUM8131_20190409103405.IDFWScaled Distance16.9 (100.0 m, 35.0 kg)Post Event NotesH 16 1st bench, No of holes -43 nos, Depth - 7 Mtrs

Charge/delay - 32.56 Kg/delay, Obsevation Distance - 200 Mtr



0.0

4.0

Sensor Check



Trigger = 🕨

0.0

1.0

Time Scale: 0.20 sec/div Amplitude Scale: Geo: 2.000 mm/s/div Mic: 1.000 pa.(L)/div

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3.0

2.0

An Analysis to Monitor the chage in Land Use / Land Cover using Remote Sensing & GIS Technique <u>Final Report</u>

" Digital Processing of Mining Leases- 772Ha, 512Ha, 117Ha & 99Ha using Remote Sensing Technique for fulfillment of EC Compliance of Cement Unit Plant II and Intregrated Mines." for Prism Johnson Ltd (Formerly Prism cement Ltd) in Satna, Madhya Pradesh.



Submitted By: SPA GEO TECHNOLOGIES PVT LIMITED 8A, 3rd Floor, Mahaluxmi Metro Tower, C2,

Sector -4, Vaishali, NCR, Ghaziabad - 201012 URL: <u>www.spageo.co.in</u> Email: <u>info@spageo.co.in</u> ; <u>alok@spageo.co.in</u> Tel: 91-120-4567200, Fax: 91-120-4567100 Purchase Order PO No : 3100157191 - P200 PO Date : 22.06.2020







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1. Introduction

Prism Johnson Limited is professionally managed Company promoted by the Rajan Raheja Group. Prism Johnson Limited is India's largest integrated Building Materials Company with a wide range from cement, ready-mixed concrete, tiles, bath products to kitchens. The Company has three Divisions, viz. Prism Cement, H & R Johnson (India), and RMC Readymix (India). Prism Cement primarily caters to the demand in the Northern Region, mainly in the States of Uttar Pradesh, Bihar and Madhya Pradesh. The capacity expansion has established the Division's brand in new markets and to a larger consumer base. A team of experienced engineers and a dedicated workforce combined with a high level of automation and sophisticated control systems have placed the Division's products in the premium segment.

Prism Johnson Ltd (Formerly Prism cement Ltd) commenced its production in August 1997 and manufactures Portland Pozzollana Cement (PPC) with the brand name 'Champion' and Ordinary Portland Cement (OPC). It has the highest quality standards due to efficient plant operations with automated controls. It caters mainly to markets of UP, MP and Bihar, with an average lead of 340–370 km of its plant at Satna, MP. It has a wide marketing network with about 2,000 dealers serviced from 46 stocking points.

Cement and mining is seventh of the core industries that contribute significantly to the economic development of India . As for environment point of view, Line stone mining and installation of cement plant is a major habitat transforming activity is lead to change in land Use/Land cover. The change have been described as the most significant regional anthropogenic disturbance to the environment and are consistently with mining of natural resources.

Remote sensing and geographic information system (GIS) are important tool for studying the land use pattern and their dynamic . The change detection in Land use /land cover due to natural and human activities can be monitored by using multi date image to evaluate difference in land cover . The mapping of land use of classes and monitoring their changes with time has been widely recognized. The change detection in Land use/ Land cover due to natural and human activities can be monitored by using multi date images to evaluate differences in land cover where lime stone mines 772.067 HA, 512.317 HA, 117.594 HA & 99.416 HA and Cement Unit II are under operation by using multi temporal remote sensing data.

The concept, method and application of land use/land cover studies are introduced to mining area in order to find the land use change and give support to land management and ecological reconstruction. its prerequisite for planning, policy making and developmental program that land use /land cover information its spatial distribution and change in land use pattern is commonly used.

1.1 Scope of work

1. Collection of Primary data - Raw satellite data to be obtained from NRSC.

2. Base map to be prepared with help of survey of India Toposheet G44U14, G44V2 and other details.

3. Data processing including following steps with the help of application software

- a. Geometric correction, rectification and Geo referencing .
- b. Image enhancement.
- c. Training set selection.
- d. Signature generation and classification.
- e. Validation of classification image.
- f. Final thematic map preparation.
- **4**. The map to be prepared on scale of 1:50000.
- 5. Comparative study with respect to land use change in the last three years.

1.2. Objectives

The main objective of present study is to understand land use /land cover change in the time and space , with special reference to the cement & mining activities being carried by M/s Prism Johnson Ltd (Formerly Prism cement Ltd), which is also one of the special condition of the environment clearance issued.

1.3. Software Used

- 1. ArcGIS 10.3
- 2. ERDAS Imagine
- 3. Microsoft Office

1.4. Study Area

The study area lies in Tehsil-Rampur baghelan, Satna district (MP) where cement Plant-II. The area is well connected to broad gauge line of central railway Linking ,satna with Rewa. The nearest major railhead is Satna on the jabalpur- Allahabad board guge section of central railway and is well connected to the major cities of the country. There is a good network of roads, there is an all weather motor able road up to project site. it is 22 km. from Satna city and 3 Km. from Satna - Rewa highway.

The details of the Mine lease areas are listed in the Table 1:

Table - 1

Details	Cement Plant	Hinouti & Sijhatta	Mendhi Lime	Baghai Limestone
		Lime stone	stone Mine	Mine (512.317)
		(772.067 & 99.416)	(117.594)	
Village	Mankhari	Hinouti & Sijhatta	Mendhi	Baghai
Tehsil	Rampur,Baghelan	Rampur,Baghelan	Rampur,Baghelan	Rampur,Baghelan
District	Satna	Satna	Satna	Satna
State	Madhya Pradesh	Madhya Pradesh	Madhya Pradesh	Madhya Pradesh

Toposheet No.	G44U14 &G44V2	G44U14 &G44V2	G44V2	G44V2
National		N.H 39 Gw	alior to Rewa	
Highway				
Nearest River	Tamas River 2.15	Adjecnt to the	Tamas River 3.5	Tamas River:
	Km.	boundary (In NW	Km. (NW of	4 Km. (NW of
		direction)	Baghai)	Baghai)
Latitude	24°33'32.3"N	24°33'20.71"N	24°34'15.3."N	24°33'20.71"N
Longitude	80°59'34.12"E	80°59'20"E	81°02'26.1"E	81°04'47.8"E
Nearest Town	Satna (21 km)	Satna (18 Km)	Satna (24 Km)	Satna (23 Km)
		Towards west	Towards west	Towards west
Nearest Railway	Satna railway	Satna on the	Satna on the	Satna on the
station	station (20Km.)	jabalpur-	jabalpur-	jabalpur-
		Allahabad board	Allahabad board	Allahabad board
		gauge section of	gauge section of	gauge section of
		west central	west central	west central
		Railway (18 KM.)	Railway (22 KM.)	Railway (20 KM.)
Nearest Airport	Khajuraho (120	Khajuraho (120		
	Km.)	Km.)		
1.5. Location Map







1.6. Satellite Image of Study Area



2. APPROACH & METHODOLOGY

Indian remote sensing satellite LISS-IV MSS & PAN geocoded data were used to analyze the land use/land cover pattern. The present study utilizes multi-spectral/multi-temporal data of the Indian remote sensing satellite LISS-IV MSS & PAN for thematic mapping. Survey of India toposheet G44U14 & G44V2 on scale 1:50,000 were used for preparation of base map which was overlay on the LISS-IV for land use /land cover mapping through visual interpretation. Visual interpretation of satellite imagery lead to the identification of fifteen land use/land cover categories. The ground troth verification was carried out in the key areas to rectify the errors in generated maps and then land use/land cover maps were finalized.

Data available gives uniform spectral and radiometric characteristics and minimize the seasonal variation. The survey of India topographic sheets No. G44U14 & G44V2 on scale 1:50,000 were used for preparation of base map. Secondary data obtained from published material. Visual interpretation is the effective method for classifying land use/land cover especially when the analyst is familiar with the area being classified from satellite data.

These categories were identify on the basis of visual interpretation of satellite data and ground truth verification were done in the key areas for editing and authentication. On screen digitization technique has been carried out to digitize the maps using Arc Map 10.3 software for land use analysis.

There are number of steps involved between RAW satellite data procurement and preparation of final maps. National Remote sensing Centre (NRSC). Hyderabad, being the nodal agency for satellite data supply in India , Provides only RAW digital satellite data , which needs further digital image processing for extracting the information and map preparation before uploading the same in the website. Methodology for land reclamation is given table no.2

With the invent of remote sensing and Geographical Information System (GIS) techniques, land use/cover mapping has given a useful and detailed way to improve the selection of areas designed to agricultural, urban and/or industrial areas of a region. Application of remotely sensed data made possible to study the changes in land cover in less time, at low cost and with better accuracy in association with GIS that provides suitable platform for data analysis, update and retrieval. The advent of high spatial resolution satellite imagery and more advanced image processing and GIS technologies, has resulted in a switch to more routine and consistent monitoring and modeling of land use/land cover patterns. Remote-sensing has been widely used in updating land use/cover maps and land use/cover mapping has become one of the most important applications of remote sensing.





2.2. Data Procurement:

After browsing the data quality and date of pass on internet, supply order for data is placed to NRSC. Secondary data like leasehold boundary, Toposheet are procured for creation of vector database.

2.3. Satellite Data Processing:

Satellite data are processed using *DIGITAL IMAGE PROCESSING SOFTWARE*. Mythology involves the following major steps.

2.4. Rectification & Geo-referencing:

Inaccuracies in digital imagery may occur to *systematic errors* attributes to earth curvature and ration as well as *non systematic errors* attributes to satellite receiving station itself. RAW digital contain geometric distortions, which make them unusable as maps. Therefore, Georeferencing is required for correction of image data using ground control points (GCP) to make it compatible to SOI toposheet.

2.5. Image enhancement:

To improve the interpret-ability of the raw data, image enhancement is necessary. Local operations modify the value of each pixel based on brightness pixels using *DIGITAL IMAGE PROCESSING SOFTWARE* and enhance the image quality for interpretation.

2.6. Classification and Accuracy assessment:

Image classification is carried out using the maximum likelihood algorithm. The classification proceeds through the following steps :

(A) calculation of statistics for the identified training area, and correlation matrix. After evaluating the statistical parameters of the training sets is conducted by measuring the statistical separation between the classes that resulted from computing divergence matrix. The overall accuracy of the classification was finally reference to ground truth data.

2.7. Area Calculation:

The area of each land use class in the leasehold is determined using DIGITAL IMAGE PROCESSING SOFTWARE.

2.8. Overlay of Vector data base:

Vector data base created based on secondary data. Vector layer like drainage, railway line, Lease boundary, mines area, forest boundary water body etc.

2.9. Field Survey:

Field survey was carried out by taking selective traverses in order to collect the ground information (or reference data).



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2.10. Finding of Study:

2.10.1. Baghai Lime Stone Mine

Land use /land cover information derived from IRS LISS-IV 2018, 2019 & 2020 (Table 3). Area statistic of each land use /land cover category were generated in GIS software and has been determined to analyze change in their spatial distribution. By comparing the land use/land cover maps, a change detection map has been generated in smart GIS software to assess the major changes in the Mines area **Baghai Lime Stone Mine (512.317).**

Table - 2 Baghai Lime Stone Mine Land use Details (512.317)(Fig.2)		
Description	2020 (Area In Ha)	
CropLand	4.5569	
Agriculture-Fallow	413.402	
Built up Land	18.1843	
Soil Dump	21.844	
Limestone Quarry	28.119	
Drainage / WaterBody	9.009	
WasteLand	24.7409	
Plantation	0	
Road	0	
Total	512.317	

2.10.2. Mendhi Lime Stone Mine

Land use /land cover information derived from IRS LISS-IV 2018, 2019 & 2020 (Table 4). Area statistic of each land use /land cover category were generated in GIS software and has been determined to analyze change in their spatial distribution. By comparing the land use/land cover maps, a change detection map has been generated in smart GIS software to assess the major changes in the Mines area of *Mendhi Lime Stone Mine* (117 Ha).



Table - 3 Mendhi Lime Stone Mine (117 Ha.)(Fig.3)		
Description	2020 (Area In Ha)	
Crop Land	3.7463	
Agriculture-Fallow	101.88	
Built up Land	9.1168	
Soil Dump	0.3761	
Limestone Quarry	5.9157	
Wasteland	1.536	
Plantation	1.5347	
Road	0	
Total	117	

2.10.3. Hinouti & Sijhatta Lime Stone Mine

Land use /land cover information derived from IRS LISS-IV 2018, 2019 & 2020 (Table 5). Area statistic of each land use /land cover category were generated in GIS software and has been determined to analyze change in their spatial distribution. By comparing the land use/land cover maps, a change detection map has been generated in smart GIS software to assess the major changes in the Mines area of *Hinouti & Sijhatta Lime stone Mine*(772.067 & 99.416 *Ha*).

Table - 4 Hinouti & Sijhatta Lime Stone Mine (772.067 & 99.416 Ha)(Fig. 4)			
Description	2020 (Area In Ha)		
Crop Land	18.617		
Agriculture-Fallow	574.481		
Built up Land	74.568		
DumpingLand	13.262		
Limestone Quarry	120.267		
Drainage / WaterBody	55.512		
Wasteland	19.144		
Plantation	36.437		
Total 871.583			



PRISM JOHNSON LIMITED (FORMERLY PRISM CEMENT LIMITED)

2.10.4. Land Use/Land Cover Map Of Buffer Zone with 10 Sq.km.

Land use /land cover information derived from IRS LISS-IV 2018, 2019 & 2020 (Table 6). Area statistic of each land use /land cover category were generated in GIS software and has been determined to analyze change in their spatial distribution. By comparing the land use/land cover maps, a change detection map has been generated in smart GIS software to assess the major changes in the Mines area.

Table - 5 Land Use Details of Buffer Zone (Fig. 5)		
Description	2020 (Area in Ha)	
Cement plant unit II Boundary	134.3396	
Settlements	4732.44	
Agriculture Fallow	49411.6077	
Dense Forest	2529.8061	
Dumping Land	63.7381	
Lime Stone Quarry	838.0919	
Open Scrub	2443.2466	
Plantation	335.2833	
River	572.1627	
Road	80.0801	
Waste Land	46.6298	
Crop Land	229.37306	
Water Body	676.9213	
Open Mix Jungle	136.7961	
Other Quarry Land	677.6188	
Total	62598.3184	

3. Conclusion

The Present study reveals that mining and industrial activities around Prism Johnson Ltd. are the main forces responsible for land use land cover change during years from commencement of their operation. The mining has increased manifold that has resulted in change land use in terms of forest land, cultivated land and water bodies in the area.

Exploitation on natural resource in the area is going on due to the expansion of limestone mining activities, and other industrial activities. This report focuses on LU/LC changes in the Mine lease areas and buffer areas in and around to Prism Johnson Limited, Satna India, using remote sensing data and GIS technology. Our results clearly show that LU/LC changes were summarized during the period of 2020 in the Table no-6. On the other hand there is minor change in agricultural area, water spread area, and forest areas. This study clearly indicates the significant impact of environmental and its development activities on LU/LC change. This study proves that integration of GIS and remote sensing technologies is effective tool for change detection. The quantification of LU/LC changes of Prism Johnson Ltd. area is very useful for environmental management groups, policy makers and for public to better understand the surrounding.



Fig:- 2 Baghai Lime stone Mine Land use Details 2020 (512.317)



Fig:-3 Mendhi Lime stone Mine Land use Details 2020 (117 Ha.)





Fig:- 4 Hinouti & Sijhatta Lime stone Mine Land use Details 2020 (772.067 & 99.416)





Fig: 5 Land use/Land Cover Map Of Buffer Zone-2020



ANNEXURE-9 19

STATUS OF COMMITMENTS MADE DURING PUBLIC HEARING HELD ON 22.05.2008

S.No.	Name of Candidate	Suggestions & Points raised	Reply of Project Proponent	Present Status
1	Mrs. Guddi devi,	a) Admission on merit and free of fee	Provision for proper facilities will be	Admission is given to the students of
	Chairperson "Garib	for admission	considered	surrounding villages as per
	Sangh Samiti" Bamhauri,			availability of seats and guidelines of
	Satna			the company
		 b) Plantation to be done from plant gate to Mahuracch Junction 	Agreed, plantation will be done during rainy season	Plantation is being done on road side and around the Mankahari Pond
	s	c) Street light facility from Plant gate to Mahuracch Junction	Work will be taken up by the management as per financial position of the company	Few lamp posts have been established and will be extended in phase wise
		d) Permanent employment to	Employment will be granted as per	Employment and other facilities are
		effected person	rules and regulations of company	being provided to affected persons
2	'Sarpanch' Village	Employment to local villagers of	Employment will be granted as per	More than 50% employment has
	Panchayat – Bathia, Satna	Bamhauri	rules and regulations of company	been given to local persons
3	Mithilesh – (student)	Appeal of Pollution Control in industry	All pollution control acts will be	All due provisions have been made
	Bamhauri, Satna		complied with	to combat pollution likely to be
				caused.
				 Details of APCEs are as under
				1- Raw mill/ Kiln – Bag House (1)
				2- Cooler – ESP (1)
				3- Coal Mill – Bag House (1)
				4- Cement mills – Bag House (2)
				5- 92 Bag filters installed to cover
				all the transfer points
				Arrangement of water sprinkling
				at crusher hopper and limestone
				conveyor bet
				 Water sprinkling on haul roads

				through tankers
4	Mr. Triloki Singh Baghel, Village – Bamhauri, Satna	a) Priority to employment for eligible persons	Employment will be granted as per rules and regulations of company	Employment is being given to persons as per rules framed b company
		 b) Construction of Stadium in the ground of Higher Secondary School 	Action will be taken	Play ground has been rehabili Maintenance is done as per requirement.
		 c) Permanent water & electricity supply in school 	Adequate action will be taken	Water & Electricity supply are available at school
	ė	d) Admission for village children to Prism Bhawan School	Admission will be granted as per rules and regulation of company	Admissions is being given to vi students as per availability of s
		 e) To & fro School Bus facility to Satna for the students of villages f) Distribution of sports material to Panchayat 	Provision for proper facilities will be considered Adequate action will be taken	School bus service has been provided to students of village commuting to Satna Study and sports materials are distributed to village students
5	Mrs. Kalawati Singh, Bamhauri, Satna	Provision of facilities from Prism Cement for the land sellers to company	Adequate action will be taken as per rules & regulation of company	All the possible services are be provided to land losers
6	Mr. Ajit Khureshi, National Civil Human Right Association, Country Head Qtr Delhi, Camp Satna	19 point comments raised on pollution	All pollution control acts will be complied with	All due provisions have been m to combat pollution likely to be caused. • Details of APCEs are as und 1- Raw mill/ Kiln – Bag House 2- Cooler – ESP (1) 3- Coal Mill – Bag House (1) 4- Cement mills – Bag House (

				 all the transfer points Arrangement of water sprinkling at crusher hopper and limestone conveyor bet Water sprinkling on haul roads through tankers
7	Mr. Shankar Singh, Rtd. Commissioner, (Milk & Dairy Dept), 31 Rachna Nagar. Bhopal	Employment should be provided to effected villagers	Employment will be granted as per rules and regulations of company	Employment is being provided to affected villagers. More than 50% employment has been given to local persons
8	Mr. Ramadhar Prasad, Sarpanch, Village- Hinauti, Satna	Necessary assistance & help will be extended by him for the establishment of industry with the protection of environment from Pollution	Thanks & All pollution control acts will be complied with	All the efforts are being done to control the pollution
9	Sarpanch, Village Panchayat- Mankahari, Satna	Expressed his consent to establish the industry	Thanks & Agreed	
10	Sarpanch, Village Panchayat- Sijahata, Satna	Expressed his consent to establish the industry	Thanks & Agreed	
11	Sarpanch, Village Panchayat- Sijahata, Satna	Suggested to plant 10000 saplings, seek help to improve health, sanitation facilities in villages and employment for educated persons	Agreed, Plantation will be done during rainy season, health, sanitation and employment will be considered as per rules and regulation of company	Improving green cover in and around plant premises is always company's utmost priority. Saplings are also distributed to village students to promote plantation & to make awareness. Villagers seeking medical attention have also easy access to medical centre of prism cement plant. Apart from this, free medical camps are also being regularly organised in nearby villages. Employment is also being given as

				per rules of the company
12	Mr. Diwakar Pd. Mishra Mr. Shankhadhar Mishra Panch – Village Bamhauri, Satna	Expressed his consent to establish the industry	Thanks & Agreed	
13	Mr. Sobha Nath Tiwari, Village- Bamhauri, Satna	Plantation to be done on road side & water spraying on roads	Agreed	Plantation is in continuous practice. Saplings are also distributed to villagers.
14	Mr. Tejpal Singh Parihar, & Mr. Shankhadhar Mishra, Village – Hinauti, Satna	Eradication of diseases & pollution from village Hinauti	Best efforts and assistance will be extended	Medicals camps and other awareness programmes are being organised by the company
15	Mr. Ramesh Kumar Tiwari & Sarpanch Village Mankahari, Satna	Expressed their consent to established the industry	Thanks & agreed	
16	Mr. Girija Prasad Tiwari & Others, Village Panchayat Bagahai	Improvement in tree plantation, health, education, drinking water, employment & setting up of worship places	All demands will be considered as per rules and regulations of company	Plantation is in continuous practice. Saplings are also distributed to villagers. Villagers seeking medical attention have also easy access to medical centre of prism cement plant. Apart from this, free medical camps are also being regularly organised in nearby villages. Study materials, bags, uniforms etc are being distributed to the students of nearby villages. Free drinking water is being supplied through tankers during summer season as per requirement Renovation of Jabala Baba temple, construction of Ghat and Yagya Shala has been done by the company.



M.P. Pollution Control Board E-5, Arera Colony Paryavaran Parisar, Bhopal - 16 MP Tele : 0755-2466191, Fax-0755-2463742

RED-LARGE

Outward No:116260,19/08/2022

CCA-Expansion Validity-(A/W): 30/06/2023 (H): 30/06/2027

CONSENT NO: ***

PCB ID: 13880

Consent No:AWH-56533

To,

The Occupier, M/s. Prism Johnson Ltd., (Cement Division Unit-II), Village-Mankahari, P.O. Bathia, Tehsil-Rampur Baghelan, Distt. Satna-485111 (M.P.)

- Subject: Grant of Consent to Operate for Expansion under section 25 of the Water (Prevention & Control of Pollution) Act,1974 & under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and Authorization under Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016
- **Ref:** Your Application Receipt No. 1168487 Dt. 29/07/2022 and last communication received on Dt. 06/08/2022

With reference to your above application for consent to operate for expansion has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 30/06/2023 & authorisation up to 30/06/2027 for 1st stage for co-processing of Liquid Hazardous wastes & Liquid Non-Hazardous waste in cement plant (as industry has developed the facility for Liquid Hazardous wastes only) & for operation of low cost additive feeding system (i.e. limestone) in cement mill along with shredding system and AFR material storage yard, subject to the fulfillment of the terms & conditions incorporated in CCA-Expansion-AW outward no. 115047 dt. 25/03/2022, CTE-Expansion-AW outward no. 115822 dt. 20/06/2022 & as enclosed with this letter.

SUBJECT TO THE FOLLOWING CONDITIONS :-

a. Location: Village-Mankahari, P.O. Bathia, Tehsil-Rampur Baghelan, Distt. Satna-485111 (M.P.)

b. The capital investment in lakhs: Rs. 132800

c. Product & Production Capacity:

Product	CTE Qty./Year	CCA Qty./Year	Applied Qty./Year
Cement	6700000.000 M.T.	6700000.000 M.T.	6700000.000 M.T.
Clinker	3000000.000 M.T.	3000000.000 M.T.	3000000.000 M.T.
Generation of Electricity for captive use by DG-Set-1x 6 MWH	6.000 MWH	6.000 MWH	6.000 MWH

Note:- For any change in above industry shall obtain fresh consent from the Board.

The Validity of the consent is up to 30/06/2023, authorization up to 30/06/2027 and has to be renewed before expiry of consent/authorisation validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * Conditions under Hazardous Rules
- * General conditions



(Organic Authentication on AADHAR from UIDAI Server) TPAV # 9NWLD94DHS

Signature Not Verified Digitally Signed by : A. A Mishra, Member Secretary Date: 19/08/2022 10:15:53 AM JIDAI Server)

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Page: 1 / 7

ACHYUT ANAND MISHRA Member Secretary



CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-

1. The daily quantity of trade effluent generation shall not exceed 0.000 KL/day, and the daily quantity of generation of sewage shall not exceed 200.000 KL/day

2. Sewage Treatment:- The applicant shall operate and maintain the STP so as to achieve following standards as notified vide GSR No. 1265(E) Dt. 13.10.2017:

Between	6.5 - 9.0	
Not exceed	100 mg/l.	
Not exceed	30 mg/l.	
Not exceed	250 mg/l.	
Not exceed Not exceed	10 mg/l. 1000	
	Between Not exceed Not exceed Not exceed Not exceed Not exceed	Between 6.5 - 9.0 Not exceed 100 mg/l. Not exceed 30 mg/l. Not exceed 250 mg/l. Not exceed 10 mg/l. Not exceed 10 mg/l. Not exceed 10 mg/l. Not exceed 100 mg/l.

Note: Reuse/Recycling of treated effluent shall be encouraged and in cases where part of the treated effluent is reused and recycled involving possibility of human contact, standards as specified above shall apply.

Sr.	Water Code (Qty. in klpd.)	WC: 1290.000	WWG : 200.000	Water Source
1	Cooling Water	1000.000	0.000	Mine Water
2	Domestic Purpose	290.000	200.000	Bore well

3. The sewage shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

4. Any change in production capacity, process, raw material used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

5. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a monthly Discharge Monitoring report on line through the link "Periodic Compliances" provided on XGN.

6. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

7. Prohibition of bypass system of treatment facilities-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent in prohibited except:

i. where unavoidable to prevent loss of life or severe property damage, or

ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

8. Industry shall submit the information online through the link "Periodic Compliances" provided on XGN in reference to compliance of consent conditions.

CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall operate air pollution control system and maintain continuously so as to achieve the level of pollutants to the following standards:-

Name of section	Stack height (mtrs.)	Fuel	Control equipment to be installed	P.M, SO _X , NO _X (mg/Nm ³)	
Cement Mill	49		Bag Filter	30, NA, NA	
Coal Mill	65		Bag Filter	30, NA, NA	
Cooler Exit	50		E.S.P.	30, NA, NA	
Raw Mill Kiln	110	Coal/Petcoke	Bag Filter	30, 700, 800	
D.G. Sets (1x6 MWH)	58	F.O.	Acoustic Enclosure	150, NA, NA	
Note:- SO2 emission norms for Raw Mill Kiln has been incorporated as per the MoEF&CC notification dated 9th May, 2016, the industry					
shall prepare the action plan for phasing out the use of (Figure 11) (19) (19) (19) (19)					



The applicant shall observe the following fuel pattern:

Consent Order

Name of Fuel	Quantity
Furnace Oil	35

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated: 16/11/09. Some of the parameters are as follows:

- a. Particulate Matter (less than 10 micron) 100 µg/m³ (PM10 µg/m³ 24 hrs. basis)
- b. Particulate Matter (less than 2.5 micron) 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- c. Sulphur Dioxide [SO2] (24 hrs. Basis) 80 µg/m³
- d. Nitrogen Oxides [NOx] (24 hrs. Basis) 80 µg/m³
- e. Carbon Monoxide [CO] (8 hrs. Basis) 2000 µg/m³

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

6. Industry shall take effective steps for extensive tree plantation of the local tree species within or around the industry/unit premises for general improvement of environmental conditions and a target of 5000 plantation during 2022-23 shall be achieved.

7. Reporting of Monitoring Results:- Monitoring Information required by this Consent shall be summarized and reported by submitting a monthly emission Monitoring report on line to the Board through the link **"Periodic Compliances"** provided on XGN

Additional Air condition:-

- 1. The continuous online monitoring system with all emission sources shall be connected with Environment Surveillance Centre, M.P. Pollution control board Bhopal with online remote calibration facility for real time remote surveillance.
- 2. The industry shall maintain the pneumatic system for the handling of AFR. The industry is permitted to use of Biomass-120MT, Carbon Black-18000MT, Polythene waste/Plastic waste/Pouches etc.-2105MT & Rice Husk -15000MT, Waste mix liquid-30000MT per annum as AFR and chemical Gypsum-75000MT, chemical waste gypsum-36000MT per annum as raw material.
- 3. The industry is permitted to use Pet Coke-210000 MT/Annum as feed stock or in the manufacturing process. 4. The industry shall furnish the online monthly patrak through XGN separately for indigenous /imported pet coke showing the balance quantity at the start of month, quantity procured during the month, the quantity consumed during the month as feedstock or in the manufacturing Process and the balance quantity in the end of the month.
- 5. Arrangements shall be made for the covered storage of Coal/ Pet coke, laterite/bauxite/Red Ochre, Fly ash, Gypsum, Clinkers and AFR. In no case these raw materials shall be stored in open.
- 6. Arrangements shall be made for the covered storage of Coal/ Pet coke, laterite/bauxite/Red Ochre, Fly ash, Gypsum, and Clinkers. In no case these raw materials shall be stored in open.
- 7. The industry shall maintain the record of co-processing, generation and disposal of the hazardous wastes in the pass book provided by the Board and same shall be produced before the officers of Pollution Control Board during inspection or visit.
- 8. The industry shall dispose the hazardous waste through co-processing as mentioned in the authorization as per SOPs of CPCB guidelines limited to the quantity authorised by the Board.
- 9. The industry shall strictly comply with directions issued by CPCB/SPCB/MoEFCC/Hon'ble NGT from time to time

CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

[See rule 6 (2)]

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FORM-2

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

- 1. Number of authorisation and date of issue :
- 2. Reference of application (No. and date) : COE-1168487, dt: 29/07/2022

Consent No:AWH-56533



3. COE-1168487, dt: 29/07/2022 of M/s. Prism Johnson Ltd. (Cement Division Unit- II) is hereby granted an authorisation based on the enclosed signed inspection report (can be seen in xgn) for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at Village-Mankahari, P.O. Bathia, Tehsil-Rampur Baghelan, Distt. Satna-485111 (M.P.)

Sr.	Category of Hazardous Waste as per the Schedules I of these rules	Catg.	Quantity (ton/annum)	Authorized mode of disposal
1	Spent pickling liquor	I -13.1	6000.000-M.T	Co – Processing in the Cement Plant
2	Spent Catalyst	I -18.1	1650.000-M.T	Co – Processing in the Cement Plant
3	Sludge Containing Oil	I -2.2	3300.000-M.T	Co – Processing in the Cement Plant
4	Drilling mud containing oil	I -2.3	6000.000-M.T	Co – Processing in the Cement Plant
5	Spent Solvents	I -20.2	25000.000-M.T	Co – Processing in the Cement Plant
6	Distillation Residues	I -20.3	6600.000-M.T	Co – Processing in the Cement Plant
7	Spent solvent	I -21.2	550.000-M.T	Co – Processing in the Cement Plant
8	Process Waste Sludge/Residues Containing Acid, Toxic Metals,Organic compounds	I -26.1	6000.000-M.T	Co – Processing in the Cement Plant
9	Spent acid	I -26.3	25000.000-M.T	Co – Processing in the Cement Plant
10	Spent solvent	I -26.4	25000.000-M.T	Co – Processing in the Cement Plant
11	Process Residue and wastes	I -28.1	8250.000-M.T	Co – Processing in the Cement Plant
12	Spent Catalyst	I -28.2	1100.000-M.T	Co – Processing in the Cement Plant
13	Spent Solvents	I -28.6	16500.000-M.T	Co – Processing in the Cement Plant
14	Process wastes or residues	I -29.1	25000.000-M.T	Co – Processing in the Cement Plant
15	Spent solvents	I -29.4	25000.000-M.T	Co – Processing in the Cement Plant
16	Spent acids	I -29.6	3000.000-M.T	Co – Processing in the Cement Plant
17	Ballast Water Containing Oil From Ships	1-3.4	3300.000-M.T	Co – Processing in the Cement Plant
18	Oily Sludge or Emulsion	I -4.1	3300.000-M.T	Co – Processing in the Cement Plant
19	Spent Catalyst	1-4.2	3300.000-M.T	Co – Processing in the Cement Plant
20	Slop Oil	I -4.3	3300.000-M.T	Co – Processing in the Cement Plant
21	Spent Clay Containing Oil	I -4.5	3300.000-M.T	Co – Processing in the Cement Plant
22	Wastes or residues containing oil	I -5.2	1752.500-M.T	Co – Processing in the Cement Plant
23	Acid from used batteries	I -9.3	12000.000-M.T	Co – Processing in the Cement Plant
24	Used or Spent Oil	I-5.1	45.000-M.T *	To be sold to authorized Recycler/ Reprocessor authorized by CPCB/ SPCB

Details of Authorisation

Note:- * = Self generated Consolidated Quantity for Cement plant & DG sets.

(1) The authorisation shall be valid for a period of five years (i.e. from 1/07/2022 to 30/06/2027)

(2) The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any).

(3) The industry shall comply with the provisions of SOP issued by the CPCB.

A. General conditions of authorisation:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.

4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.

5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty

7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility. Consent No:AWH-56533



8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.

9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.

10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.

11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.

12. An application for the renewal of an authorisation shall be made as laid down under these Rules.

13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.

14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.

15. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

B. Specific conditions:

1. The industry shall display the information on hazardous waste generated on notice board of size 6' \times 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.

2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

Additional Haz. condition:-

1. The industry shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.

2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.

3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.

4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annualy.

5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.

6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.

7. No import of the Hazardous Waste is allowed to the industry.

8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email-it_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended upto date.

9. The occupier or operator of the Treatment, Storage and Disposal Facility or recycler shall ensure that the hazardous waste are packaged and labeled, based on the composition in a manner suitable for safe handling, storage and transport as per the guidelines issued by the Central Pollution Control Board vide - October 2004 & conditions issues from time to time.

10. The labeling and packaging shall be easily visible and be able to withstand physical conditions and climate factors. Consent No:AWH-56533



11. The transport of the hazardous wastes shall be in accordance with the provision of these rules and the rules made by the Central Govt. under the Motor Vehicle Act 1988 and other guidelines issued from time to time in this regard.

12. In case of transportation of hazardous wastes through a State other than the State of origin or destination, the occupier shall intimate the concerned State Pollution Control Board before he hands over the hazardous wastes to the transporter.

13. The occupier shall provide the transporter with six copies of the manifest as per the colour codes as per rule 20(1).

14. The occupier shall forward copy 1 (white) to the State Pollution Control Board and in case the hazardous wastes is likely to be transported through any transit State, the occupier shall prepare an additional copy each for intimation to such State and forward the same to the concerned SPCB before he hands over the hazardous wastes to the transporter.

15. No transporter shall accept hazardous wastes from an occupier for transport unless copies 3 to 7 of the manifest accompany it.

16. The transporter shall submit copies 3 to 7 of the manifest duly signed with date to the operator of the facility along with the waste consignment.

17. The industry shall comply with the Standard Operating Procedure (SOP) and Monitoring Protocol as per the guidelines issued by the Central Pollution Control Board for the Industries engaged in the co-processing of the hazardous waste.18. The industry shall procure the pre-processed hazardous waste from the agency duly authorised by the MPPCB and the transportation shall be done through the transporters registered with the MPPCB under the Rules, 2016.

GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.

b. To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.

c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.

d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,

e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

7. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the Water Act or the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following:

(a) Violation of any terms and conditions of this Consent.

- (b) Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Consent No:AWH-56533



Additional condition:-

- 1. The industry shall operate the Outdoor HD Industrial grade IP (Internet Protocol) Cameras with pan-Tilt-Zoom (PTZ) feature, minimum focal length 30X with night vision facility and temper proof mechanism at suitable location to display all emission sources and effluent discharge point shall be kept operational & in working order and connect the same with Environment Surveillance Centre of MP Pollution control board Bhopal for remote surveillance.
- 2. Industry shall ensure regular operation and maintenance of canyons water foggers installed in the plant. They must be kept in working condition at all times.
- 3. Industry shall ensure regular operation and maintenance of canyons water foggers installed in the plant. They must be kept in working condition at all times.

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974, The Air (Prevention & Control of Pollution) Act, 1981 and the Authorization under Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.



(Organic Authentication on AADHAR from UIDAI Server) TPAV # 9NWLD94DHS

Achyele mishing

ACHYUT ANAND MISHRA Member Secretary

Consent No:AWH-56533



ECOMEN LABORATORIES PVT. LTD.

Second Floor Hall, House No. B-1/8, Sector H, Aliganj, Lucknow - 226 024

Phone No. : 0522 - 4079201/2746282



E-mail: contactus@ecomen.in, Website: www.ecomen.in, CIN - U74210UP1989PTC010601,GSTIN : 09AAACE6076H1ZI

An approved Laboratory from Ministry of Environment, Forest and Climate Change, Govt. of India, New Delhi

TEST REPORT

NAME & ADDRESS OF	Prism Johnson Ltd.		TC953922000003873F	
CUSTOMER:	Village Mankahari		10939220000038751	
	Village Ivialikaliali,	Test Report No.	ECOLAB/WW/0492/3873/09/2022	
	Tensil- Rampur, Bagnelan,			
	District Satna (M.P.)	Issue Date of Test Report	28.09.2022	
Type of Sample	Waste Water			
Sample Registration No.	492	Name of Location	Mine Workshop after separate	
			Treated Water	
Sampling Method	АРНА	Sample Collected By	ELPL Representative	
Date of Sample Collection	13.09.2022	Time of Sample Collection	-	
Date of Sample Received	17.09.2022	Time of Sample Received	2.20 PM	
Start Date of Analysis	17.09.2022	End Date of Analysis	28.09.2022	
Laboratory Environmental	Temperature: $25 \pm 2 ^{\circ}\text{C}$	Sample Quantity	As per Requirement	
Condition	Humidity: 62 %	Sample ID Code	ECO/LAB/3873/09/2022	

SI. No.	Tests	Unit	Protocol	Result	Limits of Detection	G.S.R 1265 (E)
1	pH	-	APHA, 23rd Ed. 2017,4500 H ⁺ A+B	7.60	2-12	5.5-9.0
2.	Total Suspended Solid as TSS	mg/l	APHA, 23rdEd. 2017, 2540D	23.8	5-5000	<100.0
3.	Biochemical Oxygen Demand as BOD 3days at 27°C	mg/l	APHA, 23rd Ed. 2017, 5210 A+B	12.0	5-10000	30.0
4.	Chemical Oxygen Demand as COD	mg/l	APHA, 23rd Ed. 2017, 5220 A+C	56.0	5-50000	-
5.	Oil & Grease as O & G	mg/l	APHA, 23rd Ed. 2017, 5520 A+D	BDL	5-600	-
6.	Fecal Coliform	MPN/100 ml	APHA, 23 rd Ed. 2017, 9221 A + E	130.0	1.8	<1000

Statement of Conformity: The above tested parameters confirm as per G.S.R 1265(E)limits for above tested parameters and the results are related to the sample tested. Note-BDL-Below Detection Limit

Opinion/Observation:

- 1. Test results relate to the items sampled & tested.
- 2. Test report shall not be reproduced except in full without approval of the laboratory.
- 3. The test samples will be disposed of after one Month from the date of issue of test report.

Verified By

Technical Manager

----End of Report----

Authorized By

Quality Manager

Floor Hall, House No. 3, Sec. -H. Aliganj, Lucknow-Scient

PRISM J	OHNSON LIMITED			Purchase C)rder	
(Cement D Village: Manka Tehsil: Rampu Distt.: Satna, F Phone : 07 Fax : 0767	ivision) ihari, P.O.: Bathia r Baghelan, PIN- 485 111 (M.P.) India 672275301 2410357/275303			PO No. : 31001 PO Date: 06.09	91722 - P027 9.2022	
Vendor Ad DEEPAK PAN PLOT NO 1/E NAGPUR 440003 Mahar GSTIN: 27AE	dress JABRAO DEOTALE 8, PRASHANT NAGAR, AJANI rashtra,INDIA DPD4007M1ZP	Reference Our Reference : 1300014048 Your Reference : Offer Rate		Det	Payment ails as mentioned b	Delow
Please arrar	nge to supply the following ma	terials subject to ter	ms and co	ondition as per	PO	
Item/PR	Material/Description	Quantity	UM	Del. Date	Rate	Amount
10 1300014048	HSN Code- IME / PME mines employee: The Item Covers the follow IME/PME of Mines Employess	1.00 s ving services :	AU	30.10.2022	176,000.00	176,000.00
					Total Amount	INR 176,000.00
	INR ONE LAC SEVENTY-S	SIX THOUSAND ON	LY			
	Price : FOR , PJL Site					
	*Scope of Works : - Your Scope of work consists of test Flowing testing to be done during 1.Chest X Ray 2.EYE Test 3. Spirometry (Lung Function Test 4. ECG test 5.Audiometry Test 6. Physical Test 7. Blood	ting IME/PME (List of tea	ting is menti	ioned) Of 176 Em	ployees of Mines dept.	at PJL Site.
	7.1 Blood-Tc,Dc,Hb,ESR,Plate	lets				
1. Price shall 2. Order Acce of dispatch of 3. Materials to	be firm and final till execution of ord eptance Form which is enclosed with order it would be considered as acc be despatched through our nomina	er the order should be sign eptance of our order. led transporter if transpo	ed and sent	t back to us as a t Prism scope	oken of acceptance .If	not received within 15 days
GSTIN	: 23AAACP6224A1Z5	FOR	Prism Jo	hnson Limite	d	
TAN No	JBPP00852F					
PAN No	: AAACP6224A					
		Autho	orised Sig	gnatory		
Registered C Amarpreet ,H CIN : L26942 Mumbai Offic Santacruz(W)	ffice:305,Laxmi Niwas Apartments, yderabad - 500 016. TG1992PLC014033 e :'Raheja's 2nd Floor, V.P. Road ,),Mumbai - 400054	Note : 1) Des 31170 2) In c be sen will not	patches are 0/21/2023/3 ase of paym t to our Acco be honoure	e covered under N Dtd. 01.04 2022 hent through Ban bounts Departmen td.	farine Insurance Policy valid upto 31.03.2023. <, copy of despatch doc t without which the bank	No . uments should c documents

PRISTIJ				Purcha	ise Order	
(Cement D	ivision)					
Village: Manka	hari, P.O.: Bathia			PO No. :	3100191722 - P027	
Distt.: Satna, F	r Baghelan, PIN- 485 111 (M.P.) India			PO Date:	06.09.2022	
Phone : 07 Fax : 0767	'672275301 2410357/275303					
Vendor Ad	dress	Reference		57. B 41	Pa	umont Torms
DEEPAK PAN	JABRAO DEOTALE	FILEIEIEIE			Details as menti	ioned below
PLOT NO 1/E	3, PRASHANT NAGAR, AJANI	Our Refere	nce :			
NAGPUR		130001404	8			
440003 Mahai	rashtra,INDIA	Your Refere	ence			
Please arrar	are to supply the following me		at to tormo and as	n diti a n a a		
Item/PR Material/Description Quantity UM Del Date Rate Amount						
	Material/Description	Qua		Del. D		Amount
	7.2 Blood Sugar-Fasting & P.P.					
	7.3 Lipid Profile					
	7.4 Blood Urea, Creatinine					
	7.6 Stool Routine					
	8.Urine:					
	a)Reaction					
	b)Albumin					
	c) Sugar					
	* You will submit the compleate rep	ort at our Medic	al Department in hard	copy and s	soft copy within 15 Da	ays of test completion.
	* Camp duration at PJL site is Minir	num 5 Days.				
	* PJL will provide List of employee	with all required	documents to Doctor.			
	The actual payment will be made or department.	n the basis of a	ctual test conducted a	your Hosp	ital/site appropved by	y our Medical/Mines/Concern
	* you will submit report within 15 da	ys.				
	* Accommodation:-PJL will provide	lodging Boardir	ig and fooding on FOC	Basis at P	PJL Site.	
	*Traveling :-Traveling will be arrang	e by you for you	ir team at your own co	ost.		
	GST:Extra, As applicable.TDS shall	be deducted a	s applicable.			
	As per New Section of Income Tax	Act 194Q, w	ef1stJuly2021 Prisr	n Johnson	Limited (PAN: AAAC	P6224A; TAN: JBPP00852F;
1. Price shall	be firm and final till execution of orde	r				
2. Order Acce	ptance Form which is enclosed with t	he order should	be signed and sent b	back to us a	as a token of accepta	nce .If not received within 15 days
of dispatch of	order it would be considered as acce	ptance of our c	rder.			
3. Materials to	be despatched through our nominate	ed transporter i	f transportation is in P	rism scope		
GSTIN	234440262244175			noon I i	nitod	
			FOR Prism Jon	nson Lin	nited	
IAN NO	: JBPP00852F					
PAN No	: AAACP6224A		Authorised Sig	natory		
			Autionseu olgi	latory		
Registered O	ffice : 305,Laxmi Niwas Apartments,		Note :		har Marina Incurance	Policy No
CIN : L26942	/derabad - 500 016. TG1992PLC014033		311700/21/2023/3 F	overed und	2022 valid upto 31.03	2023
Munch			2) In case of payme	nt through	Bank, copy of despat	tch documents should
Santacruz(M)	e ∶'Raheja's 2nd Floor, V.P. Road , Mumbai - 400054		be sent to our Accou	ints Departi	ment without which th	he bank documents
	,manibai - 400034		will not be honoured			
1			1			

PRISM JC	DHNSONLIMITED		Ρι	urchas	e Order	
(Cement Di	vision)		D O	No. 04	00101700 0007	
Village: Manka Tehsil: Rampur	hari, P.O.: Bathia Baghelan,		P0	NO. : 31	00191722 - P027	
Distt.: Satna, P Phone : 076 Fax : 07672	IN- 485 111 (M.P.) India 672275301 2410357/275303		PO	Date: 06	5.09.2022	
Vendor Add DEEPAK PAN PLOT NO 1/B NAGPUR 440003 Mahar GSTIN: 27AEE	Iress JABRAO DEOTALE , PRASHANT NAGAR, AJANI ashtra,INDIA 0PD4007M1ZP	Reference Our Reference : 1300014048 Your Reference : Offer Rate		Ľ	Paymer Details as mentioned	nt Terms below
Please arran	ge to supply the following mat	erials subject to ter	ms and conditi	ion as p	per PO	
Item/PR	Material/Description	Quantity	UM D	el. Dat	te Rate	Amount
	TAN: JBPP02310A) will deduct you	r TDS as per the Incom	e Tax Act for the P	Purchase	of Goods from you	
	Duration : You will have to complete	e the job as per our instr	uctions within give	n period	of time.	
	Payment:- The actual payment will be made at	ter 15 days after submit	ted medical report	and duly	y verified/certified by the c	concerned depatment.
	Billing : You will raise your invoice in duplicate in the title of PRISM JOHNSON LIMITED (Cement Division)PO: Bathia,Tehsil : Rampur Baghelan, Vill:Mankahari, Dist : Satna (M.P.) .Please intimate us your PAN No / GSTIN. which is required for TDS purpose					s your PAN No / GSTIN.
	Regarding reimbursement of GST y	our Invoice should be s	ubmitted in duplica	ate and c	ontain following information	on:
	The invoice to be signed by Service	provider or person auth	orized by such ser	rvice pro	vider.	
	You have to filing your GST return	vithin due date without f	ail			
	Disallowance of any Input Tax Crec recovered from you.	it on GST on account of	incomplete docun	nent sub	mitted by you shall be in y	your account and
	*OTHER TERMS AND CONDITION Other terms and conditions shall be	IS: as per Annexure- II & I	I which is an integ	ral part c	of this Contract.	
	*TERMINATION OF WORK ORDE The management reserve the right reason.	R: to extend terminate the	purchase order be	fore/afte	r completion of duration w	vith/ without assigning any
1. Price shall 2. Order Acce of dispatch of 3. Materials to	 Price shall be firm and final till execution of order Order Acceptance Form which is enclosed with the order should be signed and sent back to us as a token of acceptance. If not received within 15 days of dispatch of order it would be considered as acceptance of our order. Materials to be despatched through our nominated transporter if transportation is in Prism scope 					
GSTIN	23AAACP6224A1Z5	FOR	Prism Johnso	n Limi	ted	
TAN No	: JBPP00852F					
PAN No	: AAACP6224A	Auth	orised Signate	orv		
Registered O Amarpreet ,Hy CIN : L26942	ffice : 305,Laxmi Niwas Apartments, /derabad - 500 016. TG1992PLC014033	Note : 1) Des 31170	patches are cover	red unde 01.04.20	r Marine Insurance Policy 22 valid upto 31.03 2023	/ No .
Mumbai Office Santacruz(W)	e ∶'Raheja's 2nd Floor, V.P. Road , ,Mumbai - 400054	2) In c be sen will not	ase of payment th t to our Accounts I be honoured.	rough Ba Departm	ank, copy of despatch doo ent without which the ban	cuments should k documents

RISMJO	OHNSON LIMITED			Purchas	e Order				
(Cement Division) Village: Mankahari, P.O.: Bathia Tehsil: Rampur Baghelan,				PO No. : 31	00191722 - P027				
ehsil: Rampur istt.: Satna, Pl	Baghelan, IN- 485 111 (M.P.) India			PO Date: 06	5.09.2022				
hone : 076 ax : 07672	572275301 2410357/275303								
endor Add	Iress	Reference			Pay	ment Terms			
DEEPAK PANJABRAO DEOTALE PLOT NO 1/B, PRASHANT NAGAR, AJANI NACEUR		Defense		Ľ	Details as mentioned below				
		Our Reference : 1300014048							
10003 Mahara	ashtra.INDIA	Your Reference :							
STIN: 27AED	PD4007M1ZP	Offer Rate							
ease arrang	ge to supply the following m	naterials subject to term	s and cor	ndition as p	ber PO				
Item/PR	Material/Description	Quantity	UM	Del. Dat	e Rate	Amount			
	Prism Johnson limited (PJL) desi committed to sustainable Develo in its business dealing. Our inten high standards in sustainability, b *Please sign and return to us the	re to engage in a business re pment. PJL follows a code of t is to partner with suppliers, but have specifically targeted duplicate copy of this Contra	elationship v conduct tha and/or your avoidance o ict as token	with suppliers at demands t sub-contract of bribery and of your acce	, and/or your sub-co he highest standards ors/agents, who have I corruption by follow ptance.	ntractors/agents, that are s of moral and Ethical behav e not only set for themselves ing an Ethical code of Condi			
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GSTIN	: 23AAACP6224A1Z5	FOR Prism Johnson Limited
TAN No	: JBPP00852F	
PAN No	: AAACP6224A	
		Authorised Signatory
Registered Offic	ce : 305,Laxmi Niwas Apartments,	Note :
Amarpreet Hyde	erabad - 500 016.	1) Despatches are covered under Marine Insurance Policy No.
CIN 12694210	51992PLC014033	311700/21/2023/3 Dtd. 01.04.2022 valid upto 31.03.2023.
Mumbai Office	'Raheia's 2nd Floor, V.P. Road	2) In case of payment through Bank, copy of despatch documents should
Santacruz(W),M	umbai - 400054	be sent to our Accounts Department without which the bank documents
		will not be honoured.

PRISM JOHNSON LIMITED

Annexure 3

CSR Activities Status and Expense Summary FY 2022-23 (Cement Division)

From Apr to Sep 22

S.N.	Category under Schedule VII	Description of Activity	Proj	posed Bu	dget Amou	nt Rs. In (Crore	Expense Rs. in
			Q-1	Q-2	Q-3	Q-4	Total	Crore
1	Availability of drinking water Schedule VII (i))	Availability of potable water through installation of hand pumps with bore well, supply through water tankers and installation of RO	0.04	0.04	0.06	0.01	0.15	0.10
2	Environment, water Conservation and Promoting renewable energy Schedule VII (iv)	Plantation and survival, construction of water harvesting structures, deepening of ponds, construction of stop dam, development of social forestry, installation of solar lights	0.35	0.62	0.46	0.02	1.45	1.06
3	Health & Hygiene Schedule VII (i)	Health check-up, medical camps, ambulance and construction of toilets	0.03	0.07	0.03	0.08	0.21	0.07
4	Promoting Education Schedule VII (ii)	Repairing & maintenance of school buildings, seating arrangement, slogan writing, installation of smart classes, support to Anganwadi, Providing AID for free coaching	0.01	0.09	0.15	0.05	0.30	0.12
5	Rural Infrastructure Development Schedule VII (X)	Construction of bus shelters, renovation of community center and development of playground	0.00	0.05	0.08	0.00	0.13	0.00
6	Social Welfare Schedule VII (iii, iv & vi)	Support to old age home, animal Welfare, support to providing equipment and other assistance required as per development activity	0.05	0.07	0.15	0.06	0.33	0.06
7	Vocational Skill Development Schedule VII (ii)	Vocational skill development trainings, livelihood training,	0.00	0.01	0.06	0.07	0.14	0.00
	Total		0.48	0.95	0.99	0.29	2.71	1.41

Environment Management Cell

Annexure 11



Expenditure 2022-23 (April'22 - September'22)

	Unit II
Maintenance of APCEs	1,397,295.67
Env Monitoring, STP Operation & Maintenance, Plantation Etc.	13,661,534.48
APCE Power Consumption	57,088,175.13

ANNEXURE - 25



PRISM CEMENT UMITED

Works : Vill-Asianhalitari, P.O. Jadina, Orat Statina, 1495 (11 (2017) India Kd. : (07672) 275301-2, 275621-22, Fax : 175303 Corsp. Add. : 'Rajdeeg5', Revie Rock, Sama - 485 (2014) (M.P.) India Fcf. : (07672) 402726, Fax : 402710



Ref: PCU/ENV/2011/31/U2 Date: 11.04.2011

To, Regional Director, Ministry of Environment & Forests Regional Office, Western Region Ravishankar Nagar, Bhopal

Dear Sir.

Sub: Intimation of financial closure of the project Your Ref: 1-11011/949/2007-IA-II (I) Date 22.09.2008

With reference to above mentioned subject and letter, we would like to inform you that the date of financial closure / commercial production is 01.01.2011. A certificate in this regard is attached.

Thanking you,

Yours faithfully, For PRISM CEMENT LIMITED

Tiph-

D.K.Singh Jt. General Manager (Environment)

Enc: as above

Registered Office : 305, Laxmi Niwas Apartments, Ameerpet, Hyderabad - 500 016. Corporate Office : "Rahejas", Main Avenue, V. P. Road, Santacruz (W), Mumbai - 400 054.
मध्यप्रदेश शासन जिला व्यापार एवं उद्योग केन्द्र सतना

कमांक/जिव्यात्तके-सत/बृहद उद्योग/2011/

सतना दिनांक :--

उत्पादन प्रमाण पत्र

प्रमाणित किया जाता है कि मेसर्स प्रिज्म सीमेंट यूनिट- 2 (ए यूनिट आफ प्रिज्म सीमेंट लिंध) ग्राम मनकहरी पोव वठिया जिला-सतना (म०प्राव) को भारत सरकार उद्योग मंत्रालय से आईवई०एम० पार्ट बी जारी किया गया है जिसका नं० 3406/ आईआईएम/ पीआरओडी / 2011 न्यू देहली दिनांक 27-1-11 है । इसमें वर्णित उत्पाद का नाम वार्षिक रथापित क्षमता एवं उत्पादन दिनांक निम्नानुसार है :--

750	आइटम कोड	उत्पाद का नाम	स्टाल कैपिसिटी	व्यवसायिक उत्पादन दिनांक
1-	3242	आल वैसइटीज आफॅ पोर्टलैण्ड सीमेंट	3600000 군국	1-1-2011
2	3241	सीमेंट क्लिंकर	2300000 군국	1-1-2011

उपरोक्तानुसार एवं इकाई द्वारा प्रस्तुत किये गये अभिलेखों के आधार पर सीमेंट क्लिंकर की वार्षिक उत्पादन क्षमता 2300000 टन एवं आल वैराइटीज आफ पोर्टलैण्ड सीमेंट की वार्षिक उत्पादन क्षमता 3600000 टन के लिये, व्यवसायिक उत्पादन दिनांक 1-1-2011 首 [

s d-महाप्रबंधक जिला व्यापार एवं उद्योग केन्द्र, सतना(म०प्र०) सतना,दिनांक :- '31|3|11

कमांक/जिव्याउके-सत/बृहद उद्योग/2011/ 65/5-प्रतिलिपि :-

मेंसर्स प्रिज्म सीमेंट यूनिट- 2 (ए यूनिट आफ प्रिज्म सीमेंट लि0) ग्राम मनकहरी पो० वढिया जिला-सतना (म०प्र०) ।

नहांप्रेवचक तिहासम्पर्ध पतं चुद्दोग केन्द्र, जाता व्यापार पतं चुद्दोग केन्द्र, जातन (लग्रुव) जित्व मालम (नग्रुव)

Advertisements givenin Newspapers regarding information of Public Hearing.

010169 25.05 सर्वसाधारण को यह सूचित किया जाता है कि प्रिज्म सीमेंट (यूनिटे-11) क्लिकर प्रोडक्शन 3.0MTPA; र्म्समेट प्रोडक्शन 6.7MTPA और माइन्स (वहिनौती और सिजहटा 772.067 हे., हिनौती और सिजहटा 99.416 है. मेढी 117.594 हे और जगहाई - 512.317 हे.) मुनकहरी पोस्ट-बठिया जिला सतना (म.प्र.) का पर्यावरणीय क्लियरेंस हो गया है पर्यावरणीय विलयरेंस हो. गया ह पर्यावरणीय क्लियरेंस की प्रति, म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन वेव साइट Lttp//entor.nic.in पर उपलब्ध है साएम०३६३० 25.09.2008 आम स्चना सर्व साधारण को यह सूचित किया जाता है कि प्रिज्म सीमेन्ट (यूनिट-॥) क्लिकर प्रोडक्शन 3.0 एम टी पी ए, सीमेन्ट प्रोडक्शन 6.7 एम टी पी ए और माइन्स (हिनौती और सिजहटा 772.067 हे., हिनीती और सिजहटा 99.416 हे., मेढी 117.594 हे. और बगहाई 512.317 हे.) मनकहरी, पोस्ट बठिया जिला सतुनी (म.प्र.) का पर्यावरणीय क्लियरेंस हो गया है। पर्यावरणीय क्लियरेंस को प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड एवं पर्यावरण एवं वन मंत्रालय की बेव साइट http//:entor.nic.in पर उपलब्ध है। 1 प्रबंधक प्रिल्म सीमेन्ट लि. मनकहरी, जिला सतना म.प्र.