

BHIMASHANKAR

SAHAKARI SAKHAR KARKHANA LTD.



भीमाशंकर

सहकारी साखर कारखाना लि.

(Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 / 1994 Dt.31-3-1994) GSTIN : 27AAAAB0949G1ZZ

Dattatraynagar, Pargaon Via Awasari (BK), Tal. Ambegaon, Dist.Pune. 412 406

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BSSK/Mfg/ 864 /2025-26

Date: 23/06/2025

By Mail

To,

The Deputy Director General of Forests (Central)
West Central Zone,
Regional Office,
Near Secretariat building,
VCA Ground, Civil lines, Nagpur-440001.

E mail I.D.- eccompliance-mh@goi.in.

Sub- Submission of Six Monthly EC Compliance Report.

(1st Jan 2025 to 30 June 2025) Ref- SIA/MH/THE/70064/2011 Dt – 31/03/2020

(E.C. Identification No.EC22B004MH126409) Dt.21/04/2022.

Dear Sir,

We are submitting herewith six monthly compliance report of Environment Clearance for 29 MW Co-generation. (From 1st Jan 2025 to 30 June 2025) for your reference.

Thanking you.

Yours Faithfully,


(C.G. Dhage)
Managing Director.

Encl-1) Environment Clearance Copy. 2) Part- I – Data Sheet.

3) Part II -Six Monthly EC Compliance report

- Copy to-
- 1) Cental Pollution Control Board,
Parivesh Bhavan, East, Arjun Nagar,
Shahadra, Delhi-110032
 - 2) Environment Department,
15 th floor, New Administrative Building,
Madam Kama Road, Mantralaya,
Mumbai – 400032
 - 3) The Regional Officer,
Maharashtra Pollution Control Board,
3rd Floor, "Jog Center" Building,
Wakadewadi, Pune. 411003.
 - 4) The Sub- Regional Officer II,
Maharashtra Pollution Control Board,
2nd floor, "Jog Center" Building,
Wakadewadi, Pune 411 003.

Annexure

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ENVIRONMENTAL
CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
 (Issued by the State Environment Impact Assessment
 Authority (SEIAA), Maharashtra)

To,

The Managing Director
 BHIMA SHANKAR SAHAKARI SAKHAR KARKHANA LIMITED
 Dattatrayanagar, P.O. Pargaon via Awasari, Taluka: Ambegaon, Dist.
 Pune-410406 -410406

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
 under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
 in respect of project submitted to the SEIAA vide proposal number
 SIA/MH/THE/70064/2011 dated 16 Dec 2021. The particulars of the environmental
 clearance granted to the project are as below.

- | | |
|---|--|
| 1. EC Identification No. | EC22B004MH126409 |
| 2. File No. | SIA/MH/THE/70064/2011 |
| 3. Project Type | Expansion |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 1(d) Thermal Power Plants |
| 6. Name of Project | Proposed Expansion of Co-generation
Plant from 19MW to 29MW at
Dattatraynagar, A/P Pargaon Via Awasari
Bk., Tal. Ambegaon, Dist. Pune by M/s
Bhimashankar Sahakari Sakhar Karkhana
Ltd. |
| 7. Name of Company/Organization | BHIMA SHANKAR SAHAKARI SAKHAR
KARKHANA LIMITED |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | 22 Jun 2011 |

The project details along with terms and conditions are appended herewith from page
 no 2 onwards.

Date: 21/04/2022

(e-signed)
Manisha Patankar Mhaiskar
 Member Secretary
 SEIAA - (Maharashtra)

*Note: A valid environmental clearance shall be one that has EC identification
 number & E-Sign generated from PARIVESH. Please quote identification
 number in all future correspondence.*

This is a computer generated cover page.



Department of Justice
Federal Bureau of Investigation
Washington, D.C. 20535

CP Bureau

RECEIVED

TO: DIRECTOR, FBI
FROM: SAC, NEW YORK
SUBJECT: [Illegible]

Re New York letter to Bureau dated 1/15/54.
Enclosed for the Bureau are two copies of a letterhead memorandum (LHM) dated and captioned as above.
The LHM contains information regarding the activities of the [Illegible] in New York City.

1. [Illegible]
2. [Illegible]
3. [Illegible]
4. [Illegible]
5. [Illegible]
6. [Illegible]
7. [Illegible]
8. [Illegible]
9. [Illegible]
10. [Illegible]

Very truly yours,
[Illegible Signature]
Special Agent in Charge

Enclosure
[Illegible Stamp]

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MII/THE/70064/2011
Environment & Climate Change
Department
Room No. 217, 2nd Floor,
Mantralaya, Mumbai- 400032.

To
M/s Bhimashankar Sahakari Sakhar Karkhana Ltd.,
Dattatraynagar, A/P Pargaon Via Awasari Bk.,
Tal. Ambegaon, Dist. Pune

Subject : Environmental Clearance for Proposed Expansion of Co-generation Plant from 19MW to 29MW at Dattatraynagar, A/P Pargaon Via Awasari Bk., Tal. Ambegaon, Dist. Pune by M/s Bhimashankar Sahakari Sakhar Karkhana Ltd.

Reference : Application no. SIA/MH/THE/70064/2011

This has reference to your communication on the above-mentioned subject. The proposal was considered by the SEAC-1 in its 205th and 216th meeting under screening category 1 (d) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 239th (Day-2) meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. Brief Information of the project submitted by you is as below:-

1.Name of Project	Proposed Expansion of Co-generation Plant from 19MW to 29MW at M/s Bhimashankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, A/P Pargaon Via Awasari Bk., Tal. Ambegaon, Dist. Pune – 412406
2.Type of institution	Private
3.Name of Project Proponent	M/s Bhimashankar Sahakari Sakhar Karkhana Ltd.
4.Name of Consultant	M/s Ultra-Tech (Environmental Consultancy & Laboratory)
5.Type of project	NA
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion
7.If expansion/diversification, whether environmental clearance	EC obtained for vide Letter "SEAC-2011/CR-755/TC2" dated 30th June 2012.

has been obtained for existing project	
8.Location of the project	S.no 148, 202,206,207,208,210,213,214,219,220
9.Taluka	Ambegaon
10.Village	A/P Pargaon Tarfe Awasari Bk
Correspondence Name:	Mr. Chandrakant Gangadhar Dhage (Managing Director)
Room Number:	-
Floor:	-
Building Name:	Administrative Office
Road/Street Name:	Manchar-Shirur Road
Locality:	Dattatrayanagar,
City:	Village -A/P Pargaon Tarfe Awasari Bk
11.Whether in Corporation /Municipal / other area	Grampanchyat- Pargaon Tarfe Awasari Bk.
12.IOD/IOA/Concession/ Plan Approval Number	Non agricultural permission IOD/IOA/Concession/Plan Approval Number: Land NA (industrial) S.no 148, 202,206,207,208,210,213,214,219,220 Approved Built-up Area:
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	L.I 675/SIA/IMO/2019 dated 12/04/2019
15.Total Plot Area (sq. m.)	580000 Sq.m
16.Deductions	NA
17.Net Plot area	580000Sq.m
18 (a).Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): NA b) Non FSI area (sq. m.): NA c) Total BUA area (sq. m.):
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): NA Approved Non FSI area (sq. m.): NA Date of Approval: 21-02-2000
19.Total ground coverage (m2)	5341.5
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	0.92

21. Estimated cost of the project		414200000	
22. Number of buildings & its configuration			
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	NA	NA	NA
23. Number of tenants and shops		Not applicable	
24. Number of expected residents /users		NA	
25. Tenant density per hectare		NA	
26. Height of the building(s)			
27. Right of way (Width of the road from the nearest fire station to the proposed building(s))		NA	
28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation		NA	
29. Existing structure (s) if any		NA	
30. Details of the demolition with disposal (If applicable)		NA	

31. Production Details				
Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sugar	18000	0	18000
2	Power MW	19	10	29
32. Total Water Requirement				
Dry season:	Source of water	Ghod River		
	Fresh water (CMD):	542.2		
	Recycled water - Flushing (CMD):	0		
	Recycled water - Gardening (CMD):	0		
	Swimming pool make up (Cum):	0		
	Total Water Requirement (CMD):	542.2		
	Fire fighting - Underground water tank (CMD):	0		
	Fire fighting - Overhead water tank (CMD):	0		
	Excess treated water	0		
Wet season:	Source of water	Not applicable		
	Fresh water (CMD):	Not applicable		
	Recycled water - Flushing (CMD):	Not applicable		
	Recycled water - Gardening (CMD):	Not applicable		
	Swimming pool make up (Cum):	Not applicable		

	Total Water Requirement (CMD) :			Not applicable					
	Fire fighting - Underground water tank(CMD):			Not applicable					
	Fire fighting - Overhead water tank(CMD):			Not applicable					
	Excess treated water			Not applicable					
Details of Swimmingpool (If any)				Not applicable					
33.Details of Total water consumed									
Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Industrial Process	325.20	169.20	494.40	130.80	63.60	194.40	194.40	105.6	300
Cooling tower & thermopack	2416	2432	2448	2400	2400	4800	16	32	48
Fresh water requirement	341.2	201.20	542.20	130.80	63.60	194.40	210.40	137.60	348
34.Rain Water Harvesting (RWH)	Level of the Groundwater table:			5-10m BGL					
	Size and no of RWH tank(s) and Quantity:			2040m3 x 1 No					
	Location of the RWH tank(s):			near Guest house					
	Quantity of recharge pits:			20					
	Size of recharge pits			1m x 1m x 1.5m					

	:	
	Budgetary allocation (Capital cost) :	20 lakh
	Budgetary allocation (O & M cost) :	2.5 lakh
	Details of UGT tanks if any :	NA
35.Storm water drainage	Natural water drainage pattern:	South to North
	Quantity of storm water:	4.5 m ³ /min
	Size of SWD:	600 mm
Sewage and Waste water	Sewage generation in KLD:	40
	STP technology:	NA
	Capacity of STP (CMD):	NA
	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
36.Solid waste Management		
Waste generation in the Pre Construction and Construction phase:	Waste generation:	Not Any
	Disposal of the construction waste debris:	Not Any
Waste generation in the operation	Dry waste:	Ash 52.2 TPD
	Wet waste:	ETP sludge : 24 TP/M
	Hazardous waste:	Spent oil : 0.55 MT /M
	Biomedical waste (If	NA

Phase:	applicable):	
	STP Sludge (Dry sludge):	0.5 MT/D
	Others if any:	NA
Mode of Disposal of waste:	Dry waste:	Ash will be sold to Brick Manufacturer
	Wet waste:	Composting and used as soil conditioner
	Hazardous waste:	spent oil burned in Boiler
	Biomedical waste (If applicable):	NOt any
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
Area requirement:	Location(s):	NA
	Area for the storage of waste & other material:	NA
	Area for machinery:	NA
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	10.00 Lakh
	O & M cost:	5.0 Lakh

37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	NA	5.5	6.7	6.5-8.5
2	BOD	mg/lit	720	80	100
3	COD	mg/l	1500	230	250
4	TSS	Mg/l	120	80	100
5	O & G	Mg/l	6	<2	10
Amount of effluent generation (CMD):		348			
Capacity of the ETP:		Existing ETP Capacity of 1350m ³ /day is adequate for proposed Co-generation.			
Amount of treated effluent recycled :		NA			
Amount of water send to the CETP:		NA			

Membership of CETP (if require):	NA						
Note on ETP technology to be used	Waste water from a co-gen power plant does not have any significant BOD / COD level. Effluent water sources are boiler & auxiliary cooling tower, blow down, washings, service water, etc. The same will be neutralized and settled in a neutralizing pit. The neutralized effluent will be further treated in the existing ETP and then utilized for ash quenching and gardening of the green belt.						
Disposal of the ETP sludge	Used as manure						
38.Hazardous Waste Details							
Serial Number	Description	Ca t	UO M	Existin g	Propose d	Total	Method of Disposal
1	Used/ spent oil	5.1	MT/ M	0.35	0.20	0.55	Reuse in Boiler
39.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Existing boiler of 80 TPH	32 TPH	1	72	3	136	
2	Existing boiler of 2 x 37 TPH up gradation to 2 x 45 TPH	15.22 TPH	1	60	2.5	140	
3	Proposed 2 x 45 TPH	40.80 TPH	1	60	4	140	
40.Details of Fuel to be used							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	Baggase	1133.70	638.90	1772.60			
41.Source of Fuel		Baggase from own sugar unit					
42.Mode of Transportation of fuel to site		Convener Belt					
43.Green Belt Development							
		Total RG area :	195000Sq.m				
		No of trees to be cut:	0				
		Number of trees to be planted :	5000				
		List of proposed native trees :	NA				

		Timeline for completion of plantation :	plantation will be completed within 2 years	
44.Number and list of trees species to be planted in the ground				
Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Asoca (Roxb.) Willd.	Ashok	750	Small evergreen tree with deep green leaves • The bark of the Ashoka plant is used to prepare cosmetics that help to improve skin complexion
2	Aegle marmelos (L.) Corr.	Bel	500	It is a deciduous plant Used as dietary supplement
3	Limonia acidissima L.	Kavath	500	Large tree growing to 9m tall, with rough, spiny bark. & The fruit is used to make a fruit juice with astringent properties and jams
4	Nirachta indica Linn.	Neem	1000	Fast growing evergreen tree • Used for skin diseases. • Neem oil is used to treat for healthy hair, to improve liver function & balance blood sugar level
5	Pongamia pinnata (L.) Pierre	Karanj	250	Legume tree • Flowering tree • Used as oil, soap making, & as lubricant
6	Syzygium cumini (L.) Skeels	Jambhul	500	Evergreen tropical fruit bearing tree • Fruits & seeds are used in Hyperglycemia in diabetic rates.
7	Mangifera indica L.	Amba	1500	Fruit bearing tree
45.Total quantity of plants on ground				
46.Number and list of shrubs and bushes species to be planted in the podium RG:				
Serial	Name	C/C Distance	Area m2	

Number			
1	NA	NA	NA
47. Energy			
Power requirement:	Source of power supply :	Power Plant & MSEDCL	
	During Construction Phase: (Demand Load)	Not any	
	DG set as Power back-up during construction phase	Existing	
	During Operation phase (Connected load):	7MW	
	During Operation phase (Demand load):	7mW	
	Transformer:	220/132 KV	
	DG set as Power back-up during operation phase:	500 KVA	
	Fuel used:	HSD	
	Details of high tension line passing through the plot if any:	Not any	
48. Energy saving by non-conventional method:			
NA			
49. Detail calculations & % of saving:			
Serial Number	Energy Conservation Measures	Saving %	

1	N A		NA	
50.Details of pollution control Systems				
Source	Existing pollution control system		Proposed to be installed	
80 TPH Boiler	ESP and 72 M stack Height		-	
Existing boiler of 2 x 37 TPH up gradati onto2 x45 TPH	Wet Scrubber to each with 60 M stack Height		-	
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	0		
	O & M cost:	0		
51.Environmental Management plan Budgetary Allocation				
a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
1	Ambient Air	AAQ Monitoring	0.25	
2	Noise	Noise level monitoring	0.15	
3	Water	Drinking water for workers	0.50	
b) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Environment	ESP and 72 M stack Height for 80 TPH and Wet Scrubber to each with 60 M stack Height for 45 TPH Boiler	0	5
2	Water and waste water	Existing ETP having capacity 1350 M3/day	0	5

3	Solid Waste	Solid and Hazardous Waste Disposal & Transportation	10.0	5
4	Green Belt development	Greening Belt Development	20.0	5.0
5	Environment Monitoirng	EM Cell -Existing	0	4.05
6	Other	Rain water harvesting, Safety, Security etc.	20.0	2.5

51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
NA	NA	NA	NA	0	NA	NA	-

52.Any Other Information

No Information Available

53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Pargaon Shingave – Kavathe Road
	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	2.0
	Area per car:	NA
	Area per car:	NA
	Number of 2-	

Parking details:	Wheelers as approved by competent authority:	NA
	Number of 4-Wheelers as approved by competent authority:	NA
	Public Transport:	NA
	Width of all Internal roads (m):	6 m and 9 m turning radius
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	1(d) B
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-

3. The proposal has been considered by SEIAA in its 239th (Day-2) meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

Specific Conditions:**SEAC Conditions-**

1. PP to provide adequate air pollution control equipment's to mitigate the issues related to the emissions and particulate matter.
2. PP to ensure that the entire CER fund are spent before the commissioning of the manufacturing activity in consultation with the District Collector
3. PP to complete green belt development with the provision of drip irrigation before the commissioning of the manufacturing activity.
4. PP to complete rain water harvesting facility before the commissioning of the manufacturing activity
5. PP to carry out physiochemical analysis of the ETP sludge proposed to be used as manure and obtain approval from the competent Authority so as to ensure its safe use on agricultural land/ garden

SEIAA Conditions

1. PP submitted ADTP plan dated 13.01.2000. As per the said plan total plot area of the project is 2,82,300 sqm. PP has provided 1,39,720 sqm as Plantation (50%). PP to densify said Plantation area / Green belt of 50 % within 6 months of grant of EC.
2. PP to undertake Miyawaki plantation of native and indigenous trees such as Banyan, Peepal, Neem, Jamun and other suitable trees as per the Forest Department, Govt. of Maharashtra circular no SaVaVi-2019/C.R.3/F-11, dated 25th June, 2019. The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyawaki experts / arborist.
3. PP to strictly observe the Solid Waste Management Rules, 2016 as amended time to time.
4. PP to strictly observe the Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 as amended time to time.
5. PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameters stipulated in the Environment (Protection) Rules, 1986 amended time to time & Air (Prevention and Control of Pollution) Act, 1981 amended time to time.
6. PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 amended time to time to ensure no release of any chemical to the atmosphere and leakage to the soil.
7. PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license/approval of the Petroleum & Explosive Safety Organization (PESO).
8. PP to obtain approval and License from the Directorate of Industrial Health & Safety (DIHS) for proposed project and implement all condition stipulated therein. PP to carry out Safety Audit as stipulated in the Maharashtra Factories Rules, 1963 and ensure compliance of recommendation of the Audit.
9. PP to provide solar energy for illumination of Administrative Building, Street Lights and parking Area.
10. PP to ensure use of briquette /bio coal/ pellets/ or any such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste , not less than 50 % of the total fuel requirement to the boiler.
11. PP to provide roof top Rain Water Harvesting facility.

General Conditions:

- I. The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has

been accorded Environmental Clearance and copies of Environmental Clearance letter are available with the Maharashtra Pollution Control Board, website of the company and may also be seen at Website at <http://parivesh.nic.in>

- II. The project Proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitoring data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Controls Board, SEIAA and the Regional Office off MoEF&CC at Nagpur, on 1st June & 1st December of each calendar year.
- III. Separate fund shall be allocated for the implementation of Environmental Management Plan along with item wise break up and specific time line for its completion. The cost shall be included as part of the project cost. The funds earmarked for the environmental protection measures shall not be diverted for other purpose and year-wise expenditure should be reported to the MPCB and the SEIAA.
- IV. A separate Environmental Management Cell with qualified personnel shall be set up for implementation of the stipulated environmental safeguards.
- V. In the event of failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safely till the effective functioning of pollution control equipment's is regained.
- VI. PP to strictly follow conditions stipulated in the Consent to Establish/Operate issued by the Maharashtra Pollution Control Board.
- VII. PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.
- VIII. Periodic Monitoring of ground water in the study area as marked in the Environmental Impact Assessment Report shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- IX. The overall noise levels in and around the factory premises shall be kept within the prescribed standard under the Environment (Protection) Act, 1986 and Rule, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.
- X. Adequate safety measures shall be ensured to limit the risk zone within the factory premises. Leak detection system shall be installed for early detection and mitigation purpose.
- XI. PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time.
- XII. The Environmental Statement for each financial year ending on 31st March in Form-V as is mandated to be submitted by the Project Proponent to the concerned Pollution Control Board as prescribed under the Environment (Protection) Rule, 1989 as amended from time to time, it shall also be put on the website of the company along with the status of the compliance of the conditions stipulated in the Environmental Clearance letter.

4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the

project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.


Manisha Patankar-Mhaiskar
(Member Secretary, SEIAA)
20/4/2022

Copy to:

1. Chairman, SEIAA (Maharashtra), Mumbai.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Pune.
7. Regional Officer, Maharashtra Pollution Control Board, Pune.

Signature Not Verified

Digitally signed by Manisha
Patankar Mhaiskar
Member Secretary

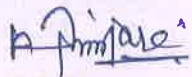
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**19 to 29 MW Co Generation EC
SIX MONTHLY COMPLIANCE REPORT**

**Part-I
DATA SHEET**

1	Project Type: River Valley/Mining/Industry/Thermal/Nuclear/Others (Specify)	Industry
2	<u>Name of the Project</u>	Proposed Expansion of Co-generation plant from 19 to 29 MW of Bhimashankar Sahakari Sakhar Karkhana Ltd.Dattatrayanagar,Pargaon Tarfe Awasari Bk.,Tal_Ambegaon Dist-Pune Pin- 412406
3	Clearance letter(S)/OM No. and Date	SIA/MH/THE/470064/2011 (E.C. Identification No.EC22B004MH126409) Dt. 21/04/2022.
4	Location a) District (s)	Pune
	b) State (s)	Maharashtra
	c) Location latitude / longitude	Latitude 18°58' 30.57"N and Longitude 74°5'31.68"E
5	Address For Correspondence	
	a) Address of the Managing Director(with Pin code/Telephone/Telex/Fax/Numbers)	Mr. Chandrakant G. Dhage Bhimashankar Sahakari Sakhar Karkhana Ltd.Dattatrayanagar, Pargaon Tarfe Awasari Bk.,Tal_Ambegaon, Dist-Pune, Pin- 412406 Phone No.-99755568130, 8888846990.
6	Salient Features	
	a) of the Project	This Distillery unit situated at Dattatrayanagar.
	b) of the Environmental Management Plans	Environment Management Plan Includes – Green Belt Development (Plantation with mostly indigenous plant species) Measures to avoid sound pollution Water Environment Solid waste management Rain water Harvesting Firefighting system
7	Breakup of the Project Area	
	Submergence area : Forest & Non Forest	N.A.
	Others	Plot Area-580000m2 Total Built up area - 72844 m2 Open area- 513952 m2
8	Break up the Project affected population with the enumeration of those losing Houses/Dwelling units only, Agricultural Land & Landless Laborers /Artisans:	Project land is owned by project proponent. Population is not affected.
	a) SC,ST / Adivasi	N.A.

	B) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details & year of survey)	N.A.
9 (a)	Financial Details: Project cost as originally planned and subsequent revised estimates and the year of price reference	Total Project Cost- 4142 Lakhs.
(b)	Allocation made for environmental management plans with item wise and year wise breakup	Year 2024-25 = 10 Lakhs Year 2025-26= 10 Lakhs Year 2026-27 = 07 Lakhs
(c)	Payback Period	----
(d)	Whether (c) includes the cost of environmental management as shown in the above	Yes
(e)	Actual expenditure incurred on the project so far	Rs.3091.77 lakhs upto Dt.31/03/2025.
(f)	Actual expenditure incurred on the environmental management plans so far.	-
10	Forest Land Requirement:-	
a)	The Status of approval for diversion of forest land for non-forestry use.	N.A.
b)	The status of clearing felling	N.A.
c)	The Status of compensatory afforestation, if any comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	N.A.
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads) if any with quantitative information required.	N.A.
12	Status of construction (Actual & / or Planned)	Actual
a)	Date of commencement (Actual & / or Planned)	Actual.
b)	Date of completion (Actual & / or Planned)	Actual.
13	Reasons for the delay if the project is yet to start	-
14	Dates of the site visits- The dates on which the project was monitored by the Regional Office on previous occasions, if any.	Earlier No site visit was done by any MoEF official.
a)	Details of correspondence with project authorities for obtaining action plan/information on status of compliance to safeguards other than the routine letters for logistics support for site visit.(the monitoring report may obtain the details of all letters issued so far but the later reports may cover only the letters issued subsequently.	No show notices of pollution department. We are regularly monitoring both air & water data as per CPCB guidelines & parameters are within limit.


K. P. Thare
 (Process Manager)
 Bhimashankar Sahakari Sakhar Karkhane Ltd.
 Dattatrayanagar, Pargan Via - Awasari B.
 Tal.Ambegaon, Dist.Pune - 412 406

PART II		
19 to 29 MW Co-generation EC Compliance Conditions		
Con No	Condition	Compliance
Specific conditions- A. SEAC Conditions-		
1	PP to provide adequate air pollution control equipment's to mitigate the issues related to the emissions and particulate matter.	We have provided air pollution control equipment's ESP for 80 TPH Boiler & Wet Scrubber for 45 TPH Boilers. (Details & Photographs are attached (Ann.I) (Page No. 26 to 43) OCEMS Air Ambient report -(Season 2024-25- Nov. 24 to April 25)- Ann. II (Page No.44 to 55) Akanksha Lab report-(Season 2024-25-Dec.24 to March 25) Ann. III (Page No. 56 to 87)
2.	PP to ensure that the entire CER fund are spent before the commissioning of the manufacturing activity in consultation with District Collector.	The work of providing Toilet blocks to Secondary schools with in 10 Km. of the factory has been approved by the Hon'ble District Collector. Work Orders of Rs.75,27,056/- have been given for Civil work. 50% civil work of all toilet blocks has been completed. Orders & Photographs attached.(Ann.IV) (Page No.88 to 127)
3.	PP to complete green belt development with the provision of drip irrigation before the commissioning of the manufacturing activity.	Till 2019, we have planted 6502 trees on 33% of the total area of the factory with drip irrigation. Apart from, it is planned to plant 5000 trees on the remaining area.(Certificate issued by The regional Forest Officer- Manchar and Taluka Agricultural Officer and Photographs are attached.(Ann.-V) (Page No. 128 to 135)
4.	PP to complete rain water harvesting facility before the commissioning of the manufacturing activity.	For rain water harvesting factory building and office building Roof water is collected and charged in charging pit. Surface water is collected in downstream pond and reused for Plant irrigation, factory operations and machinery cleaning. Rain water harvesting area and harvested water quantity statement is attached.(Ann.VI) (Page No. 136 to 145)

5.	PP to carry out physiochemical analysis of the ETP sludge proposed to be used as manure and obtain approval from the competent authority so as to ensure its safe use on agricultural land/garden.	We have analyzed ETP sludge from VSI's lab Report attached. (Ann.VII) (Page No. 146 to 147)
A. SEIAA Conditions-		
1.	PP submitted ADTP plan dated 13.01.2000. As per the said plan total plot area of the project is 2,82,300 sqm.PP has provided 1,39,720 sqm. As Plantation (50%).PP to densify said Plantation area/Green Belt of 50% within 6 months of grant of EC.	Till 2019, we have planted 6502 trees on 33% of the total area of the factory with drip irrigation. Apart from, it is planned to plant 5000 trees on the remaining area.(Certificate issued by The regional Forest Officer-Manchar and Taluka Agricultural Officer)
2.	PP to undertake Miyawaki plantation of native and indigenous trees such a Banyan, Peeple, Neem, Jamun and suitable trees as per the Forest Department, Govt. of Maharashtra Circular No.SaVaVi-0219/C.R.3/F-11, dated 25 th June 2019.The said plantation to be completed in the first year of operation of Environmental Clearance under expert guidance of Miyasaki expert/arborist.	Trees Species are selected as per the Forest Department (Certificate issued By Regional Forest- Manchar and Taluka Agricultural Officer & Photographs are attached.)
3.	PP to strictly observe the Solid Waste Management Rules,2016 as amended time to time.	We are follow the rules of solid waste management.
4.	PP to strictly observe the Hazardous and other Wastes(management & Trans Boundary Movement) Rules,2016 as amended time to time.	We are follow the rules of solid waste management.
5.	PP to identify all sources of fugitive air pollution on site and provide pollution control measures to mitigate pollution and meet the standard parameter stipulated in the Environment (Protection) Rules,1986 amended time to time & Air(Prevention and Control of Pollution) Act ,1981 amended time to time.	Reports are within limit. Akanksha Lab report-(Season 2024-25-Dec.24 to March 25) Ann. VIII (Page No. 148 to 151)
6.	PP to ensure storage of chemicals as per the Manufacture, Storage and Import of Hazardous Chemicals Rules,1989 amended time to time to ensure no releases of any chemical to the atmosphere and leakage to the soil.	We are doing transport, storage, handling and use of the flammable /toxic chemicals as per conditions no leakages to the soil.

7.	PP to ensure transport, storage, handling and use of the flammable/toxic chemicals as per conditions stipulated in license /approval of the Petroleum & Explosive Safety Organization (PESO).	We are doing transport, storage, handling and use of the flammable /toxic chemicals as per conditions.
8.	PP to obtain approval and License from the Directorate of Industrial Health & Safety (DISH) for proposed project and implement all condition stipulated in the Maharashtra Factories Rules,1963 and ensure compliance of recommendation of the Audit.	We have obtained and License the Directorate of Industrial Health & Safety(DISH) for this project. Copy attached. (Ann.IX) (Page No. 152 to 153).
9.	PP to provide solar energy for illumination of Administrative Building ,Street lights and Parking area.	Solar energy lights are installed at administrative building ,street lighting.
10.	PP to ensure use of briquette /bio coal/pellets/or such suitable product derived from scientific processing of appropriate stream of dry waste/agricultural waste,not less than 50% of the total fuel requirement to the boiler.	100% dry waste,Agri waste is used as boiler fuel.
11.	PP to provide roof top Rain Water Harvesting facility .	Roof top Rain water harvesting is working satisfactory.
General Conditions-		
I.	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website http://parivesh.nic.in	Karkhana published advertise in local newspapers - 1) Financial Standard (English)-- 26 th April 2022 2) Punyanagari (Marathi) - 26 th April 2022 (Copy Attached Ann.X) (Page No. 154 to 157)
II.	The proponent shall upload the status of compliance (soft copies) of the conditions stipulated Environmental Clearance letter including monitored data of air, water, soil, noise etc. on their website and shall update the same periodically. The half yearly compliance report shall simultaneously be submitted to the Maharashtra Pollution Control Board,	Regularly Submitting. We have uploaded EC compliance report and all analysis Reports on our Karkhana Website. Further we are submitting Six monthly compliance report to MoEF, Nagpur on regular basis. (Screen shot copy attached.) (Ann.XI) (Page No. 158 to 161)

	SEIAA and Regional Office of MoEF & CC at Nagpur, on 1 st June & 1 st December of each calendar year.	
III.	A Separate funds shall be allocated for implementation of Environment Management Plan along with item wise break up and specific time line for its completion. These cost shall be included as part of the project cost. The fund earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB & SEIAA.	We have received the EC in April 2022. Project -For Environment Management Protection separate fund allocated. -Management is very committed for the same. -The funds earmarked for Environment does not diverted to any account head. -We have made Rs. 10 Lakhs provision for the operational expenditure for the year 2024-25.
IV.	A separate environment management cell with qualified staff shall be set up for Implementation of the stipulated environmental safeguards.	Environment Management cell is established. It is headed by a qualified and experienced. Environmental Officer having experience more than 10 years.
V.	In the event of the failure of any pollution control equipment, the manufacturing activity shall be immediately stopped safety till the effective functioning of pollution control equipment's is regained.	After failure of pollution control device, we have immediately stop the Boiler operation restart after activation of pollution controlling device. We have intimate both CPCB & MPCB time to time by mail in this regard without any delay.
VI.	PP to strictly follow conditions stipulated into Consent to Establish /Operate issued by the Maharashtra Pollution Control Board.	We are strictly follow consent conditions.
VII.	PP to provide separate drains for storm water and effluent, and ensure that, the storm water drains are dry all the time and in no case the effluent shall mix with the storm water drain.	We have proper drainage for storm water & effluent and there is no mixing of waste water & storm water.
VIII.	Periodic monitoring of ground water in the study area as marked in the Environmental Impact assessment Report shall be undertaken and result analyzed to ascertain any change in the quality of water. Result shall be regularly submitted to the change in the quality of water. Result shall be regularly submitted to the Maharashtra Pollution Control Board.	We are checking Ground water samples within 5 Km radius area in every month during crushing season. All the results are within limit.

IX.	The overall noise level in and around the factory premises shall be kept well within the standards under the Environment (Protection) Act, 1986 Rules, 1989 as amended from time to time by providing adequate noise control measures and protective equipment's like ear muff and ear plug etc.	Noise proof cabins are provided to operates wherever is possible. Further we are providing ear plugs for employees. Noise level is within standard limits.
X.	Adequate safety measures shall be provided to limit the risk zone within factory premises. Leak detection devices shall also be installed for early detection and mitigation purpose.	Adequate safety measures like helmets, Shoes, Safety belts etc. are provided.
XI.	PP to scrupulously follow the requirements of Maharashtra Factories Act, 1948 & Rules 1963 as amended from time to time	We are strictly follow Maharashtra Factories Rules as amended from time to time.
XII.	The environment statement for each financial year ending 31 st March in Form -V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliances of conditions stipulated in the Environment Clearance Letter.	Submitting Regularly. Statement Attached. (Year 2024-25) (Ann.XII) (Page No. 162 to 165)


K. P. Tijare
 (Process Manager)
 Bhimashankar Sahakar Sakhar Karthana Ltd
 Dattatrayanagar, Pargaon Via - Awasari Bk
 Tal. Ambegaon, Dist. Pune - 412 406

14) ELECTROSTATIC PRECIPITATOR (ESP)

The ESP should be designed on the following basic parameters :

- Gas Flow Rate : Corresponding to MCR of boiler
- Temperature of gasses at ESP inlet : 150°C
- Inlet Dust concentration : about 5.0 g / N cu.m
- Outlet Emission (concentration) at ESP exit: shall be less than 100mg/Nm^3
- Pressure Drop across ESP for above condition: shall be less than 25mmWc to gas side

The electrostatic precipitator of suitable capacity shall be designed so that the dust emission at the outlet of the chimney should be limited to 100 mg / NM^3 or as prescribed by State Pollution Control Board. The ESP shall be installed on the suction side of ID fan and shall be complete with rotary air lock valve with drive provided with local and remote push button control and a side manual gate. The minimum elevation of the discharge flange of the rotary air lock valve shall be at + 2500 mm, suitable platform, MS steel staging, ladders, staircases, railing, inspection and packing holes shall be included in the scope of supply. The ESP should be properly insulated with aluminum cladding ESP be provided with indication for ash level, low and high temperature alarm, water washing arrangement ESP Switchgear Control Panels, rectifier control panels complete in all respects. The general arrangement showing major dimension and clearances for ESP system, ESP foundation drawing for load data, electric single line diagram along with detailed drawings should be furnished for approval from the Purchaser. Necessary instruction / maintenance manual and training to be provided.

BHEL/GEA/L&T/Bharat heavy plates and
vessels Ltd./Western India enterprises

ABB/BHEL/Thermax/ACC

Audco/BDK/BHEL/KSB/Steel
strog/Valvetech

Elecon/Fmg/WIL/Greaves cotton

Insulation India/Lloyds/Minwool rock
fibre/raja insulation

Asia Imi/Enpro/PSI engg/ fluid controll/
positive metering

Burgmann/Durametallic/Jhone
crane/Sealol

BHEL/L&T/Pipe supports India (p) ltd
(MYRICKS)/Sarathi

Spirex marshall/Uniklinger/Pennant

Bhatia/Filtron engg./Strainwell/Sungov

Detroit/Fosterwheeler/IJT/TBW/Zurn/Riley

AUMA/Antrieb/Rotark/Limtorque

Massibus/Yokogawa

ABB/Rosemount/Tata
well/Yogokawa blue star ltd

ABB/Rosemount/Yogokawa
star/Forbe marshall

An instruments/General instruments/Pyro
electric/Waree

Entek ird/Scenk avery/spm instrumentss

Sitson / RR techno / High - Techno
BHEL/Batliboi/ Alstom/ Tharmax



Handwritten signature/initials.

Description	Unit	100 % MCR Bagasse
Flue Gas Draught at	MMWC	
a. Furnace Outlet		-5
b. Superheater Inlet		-5
c. Superheater Outlet		-10
d. Bank Inlet		-10
e. Bank Outlet		-15
f. Economiser Inlet		-20
g. Economiser Outlet		-55
h. Low efficiency grit separator inlet		-60
i. Low efficiency grit separator outlet		-85
j. Airheater Inlet		-95
k. Airheater Outlet		-135
l. ESP Inlet		-150
m. ESP Outlet		-175
n. ID fan inlet		-190
33 Flue Gas Velocities	M/Sec.	
a. Combustion Chamber		4.8
b. Superheater Zone		6 max
c. Bank Tube		8.0 max
d. Economiser		8 - 10
e. Air Preheater		10 - 14
Data Sheet 1.3.1 No.		

Sheet No.:



21) HP AND LP DOSING

Tri-sodium based HP dosing system, hydrazine and ammonia based LP system shall be provided. HP system shall add chemical to boiler water while LP dosing is done to feed water preferably at deaerator outlet water. HP dosing pump shall be simplex reciprocating plunger type stroke adjustable while pump is in operation for 0 to 100 % capacity, while LP dosing pump shall be of diaphragm type. Wetted parts of pumps shall be of SS construction Each system to include SS mixing tank with motor driven stirrer and with dished bottom ends with flat top covers. Inspection doors with swivel bolts and wing nuts shall be provided for top cover. Volumetric capacity of both the tanks shall be suitable for 24 hours based on 1 % concentration of tri-sodium phosphate for HP dosing and 0.1 % for LP dosing. Each mixing tank shall have rubber linings from inside and shall be fitted with motorised stirrer. The capacity of each tank shall be of minimum 500 litres.

22) R C C CHIMNEY

One RCC Chimney of approx 3.5 m. inside dia. at the top and about 70 m. in height with ladder and guards will be constructed by purchaser, however refractory lining up to 20 m. height of suitable thickness shall be provided by seller, lightening arrestor, m. s. frames and fittings for flue gas inlet to chimney etc. shall be in the seller's scope of supply. The seller shall give chimney design calculations.

23) BOILER FEED WATER PUMPS

Three nos (2W+1S) each of 50 cub. m. /hr capacity at about 1050 m. head running at 2900 RPM shall be provided. In normal working two numbers of 50 cub. m. /hr. shall be in operation and one no. as standby. Each multistage electrical driven pump shall be suitable for pumping hot water at 105 to 120 Deg. C. from deaerator to boiler of 87 Kg /sq. Cm. pressure. Pumps shall be provided with mechanical seals and mechanical seals shall be with spare conversion kit. Each pump shall have an automatic recirculation (ARC) valve of Schroevdhal / Hora make and shall be sized for higher of maximum flow thermal and minimum flow stable value such that in any case maximum temperature rise of feed water is limited to 8 Deg. C.

Material of construction of pumps shall be as under;

Casing-SA216Gr. WCB, discharge casing—CA6NM, impeller—CA6NM, shaft—AISI 410, casing wearing ring —CA6NM, Pressure switch shall be provided in individual discharge piping of pump up stream of automatic re-circulating valve. Removable conical type suction strainers of SS304 material shall be provided for each pump with free flow area equal to four times flow area of pipe. Impeller size shall be one size lower than maximum. Each pump shall be driven by AC motor with VVFD drive. Re-circulated water shall lead to de-aerated water storage tank.



A - DESIGN DATA.

SR.NO.	DESIGN PARAMETER	BAGASSE 100% MCR (HP HEATER IN)	BAGASSE 100% MCR (HP HEATER OUT)
1	DESIGN GAS FLOW RATE IN M ³ /HR		
2	TEMPERATURE DEG.C (OPERATING)	241560	231480
3	CASING MECHANICAL DESIGN TEMPERATURE DEG.C	150	150
4	DUST TYPE	200	200
5	MAXIMUM INLET DUST LOADING (GM / NM ³)	FLY ASH	FLY ASH
6	OUTLET EMISSION FOR ESP (MGM / NM ³) ALL FIELD WORKING.	5	5
7	OUTLET EMISSION (MGM/NM ³) - FIRST FIELD OUT OF SERVICE	100	100
8	MOISTURE IN GAS (% V / V)	-	-
9	UNBURNT CARBON IN FLY ASH (%)	25.74	26.52
10	COLLECTION AREA M ²	45-55	45-55
11	SPECIFIC COLLECTION AREA M ² / M ³ / SEC.	2054.64	2054.6
12	NO OF GAS PASSAGES	30.62	31.95
13	EFFECTIVE C E WIDTH (METER)	19	19
14	EFFECTIVE C E HEIGHT (METER)	3.696	3.696
15	VELOCITY THROUGH ESP M/SEC.	7.315	7.315
16	TREATMENT TIME (SEC.)	1.19	1.14
17	NO OF FIELDS IN SERIES	6.2	6.5
18	MIGRATION VELOCITY (CM/SEC.)	2 MECH & 2 ELECT	2 MECH & 2 ELECT
19	DESIGN PRESSURE (mmWG)	12.77	12.24
20	DUST DENSITY FOR POWER (KG/M ³)	± 250	± 250
21	DUST DENSITY FOR DISCHARGE (KG/M ³)	600	600
22	FLG TO FLG PRESSURE DROP (mmWG)	250	250
23	EFFICIENCY (%)	25	25
-	-	98	98
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

B - ASH COLLECTION RATE IN EACH FIELD (KG/HR)

SR NO.	FUEL	BAGASSE 100% MCR (HP HEATER	BAGASSE 100% MCR (HP HEATER OUT)
1	FIELD-1		
2	FIELD-2	669 (0)	641 (0)
3	FIELD-3	95 (764)	91 (732)
4	FIELD-4	-	-
5	FIELD-5	-	-
6	FIELD-6	-	-
7	TOTAL DUST COLLECTED IN ESP (KG/HR)	764 (764)	732 (732)

VALUES IN PARENTHESIS ARE FOR FIRST FIELD OUT OF SERVICE.

ROTARY AIR LOCK VALVE CAPACITY IN M³/HR. AT 50 % FILLING EFFICIENCY.

MINIMUM WIDTH OF ASH HANDLING SYSTEM SHALL BE GREATER THAN 350 mm.

APPLICABLE

10

C - PRODUCT DATA

C - 1	CASING THK. mm.	4
C - 2	HOPPER WALL THK. mm.	4
C - 3	INLET & OUTLET NOZZLE THK. mm.	7
C - 4	PENTHOUSE SIDE WALL THK. mm.	3
C - 5	PENTHOUSE TOP SHEET CHQ. PLT. THK. mm.	4
C - 6	PERFORATED SHEET FOR NOZZLE THK. Mm	2.5
C - 7	INSULATION THK. mm	50
C - 8	INSULATION DENSITY Kg/M3	100
C - 9	CLADDING TYPE / THK. (SWG)	PL AL / 24
C - 10	HOPPER VOLUME M3 (100% FULL)	79
C - 11	INSULATION AREA M ² (APPROX)	875

D - TR SET DETAILS

D - 1	T.R. CONTROLL TYPE	MICROPROCESSOR CONTROLLED			
D - 2	T.R. SET RATING DETAILS -				
	a) OUTPUT VOLTAGE	120 KV D.C			
	b) OUTPUT CURRENT (mA)				
	1) TR SET NO.1	300		5) TR SET NO.5	NA
	2) TR SET NO.2	400		6) TR SET NO.6	NA
	3) TR SET NO.3	NA		7) TR SET NO.7	NA
	4) TR SET NO.4	NA			

NOTES FOR WATER WASHING ARRANGEMENT :-

1	CUSTOMER TO USE 20 Mtr. FLEXIBLE WATER RUBBER HOSE FOR CLEANING THE ESP FROM INSIDE ONLY DURING COMPLETE SHUTDOWN.
2	NO PERMANENT WATER CONNECTION TO BE CONNECTED. THIS IS TO BE USED ONLY DURING SHUTDOWN.
3	ESP SHOULD NOT BE STARTED UNLESS WATER IS DRIED WITH HOT GAS FOR APPROX 2 TO 3 HR.
4	DUST DISCHARGE EQUIPMENT TO BE REMOVED BEFORE WASHING.

E - LOAD DATA

DESIGN WIND PRESSURE		120		SEISMIC ZONE		III		AS PER		IS 1893		
ESP LOAD DATA ON RCC PEDESTAL TOP				ALL LOADS ARE IN TON / COLUMN								
SR NO.	COLUMN NUMBER	STATIC LOAD	DUST LOAD	HORIZONTAL		VERTICAL		HORIZONTAL		VERTICAL		LIVE LOAD
				+/- X	+/- Z	+/- X	+/- Z	+/- X	+/- Z	+/- X	+/- Z	
1	H8, H7	29	16	3	7	9	17	3	4	3	10	1.5
2	J8, J7	45	32	8	8	38	23	9	6	44	14	1.5
3	K8, K7	45	32	8	8	38	23	9	6	44	14	1.5
4	L8, L7	29	16	3	7	9	17	3	4	3	10	1.5
5	M10, M9	0.5	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-
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13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-

ASH DENSITY CONSIDERED =	800
CIVIL FOUNDATION DETAILS SHOWN IN THIS DRG. ARE PICTORIAL ONLY.	
CIVIL FOUNDATION DESIGN & DETAILING IS IN CUSTOMER SCOPE BASED ON LOAD DATA MENTIONED ABOVE	

F - PAINTING DETAILS

ASH DENSITY CONSIDERED =

800

CIVIL FOUNDATION DETAILS SHOWN IN THIS DRG. ARE PICTORIAL ONLY.

CIVIL FOUNDATION DESIGN & DETAILING IS IN CUSTOMER SCOPE BASED ON LOAD DATA MENTIONED ABOVE

F - PAINTING DETAILS

TYPE	INSULATED (INSIDE & OUTSIDE)	NON INSULATED
Components	Casing, Hopper, Nozzle, PentHouse/Insulator Box & misc.	Support Structure, Monorails, Staircase & Platforms, Ladder, Canopy if applicable
Surface Preparation	Mechanical Cleaning to ST-2 Grade	Mechanical Cleaning to ST-2 Grade
Primer	Two coats of Red Oxide Primer,	Two coats of Red Oxide Primer,
Intermediate Paint	DFT/Coat : 25-30 Microns,	DFT/Coat : 20-25 Microns,
Finish Paint	Not Applicable	Not Applicable
Finish Paint Shade	Not Applicable	Not Applicable
Grating for Staircase & Platform	As per Non-insulated scheme.	Not Applicable
Railing for Staircase & Platform	As per Non-insulated scheme.	Not Applicable
Internals	Rust preventive Oil Coating	
Bought outs	As per manufacturer STD	
Hardware	STD.	

CONSULTANT		VASANTDADA SUGAR INSTITUTE									
ACTUAL USER		BHIMASHANKAR SSK LTD.								DOMESTIC	
APPLICATION		ESP FOR 80 TPH BAGASSE FIRED TG BOILER									
PROJECT NO :-		E210259									
SIGN	PREPARED	CHECKED	APPROVED	SIZE	SCALE	CUSTOMER :-	B&H A/C BHIMASHANKAR SSK LTD.				
NAME	SD	SD	SD	A2	1 : 1	PRODUCT NAME	ELECTROSTATIC PRECIPITATOR				
DATE	SMG/DLP	PVM/DMD	PGD			TITLE -	GENERAL ARRANGEMENT OF ESP				
10.07.12	10.07.12	10.07.12	10.07.12			MODEL - TE1					
THERMAX LIMITED						EXCEL FILE NAME	EEAA010310-2-01 [E210259].xls				
						PROJECTION	SHEET	DRAWING NO		REV	
							2 OF 2	EEAA010310		1	
ENVIRO DIVISION											

Atatraynagar, Pargaon Via Awasari Bk.,
 far Ambegaon, Dist - Pune. 412 406
 TELE-FAX: (02133) 284231, 284232,
 284241, 284246, 284270, 9975568130

Telegram : Bhimashankar Sugar

E-mail : bsskltd@gmail.com / bsskl@rediffmail.com



BHIMASHANKAR
 SAHAKARI SAKHAR KARKHANA LTD.

(Regd.No: P.N.A. / A.G.N. / P.R.C.(A) S-47 1994 Dt.31-3-94)

BSSK/ Pur./ 237/ 2013 - 2014

Date :- 27 / 07 / 2013
 28

Work Order

To,

M/s. Niks Technical Services

1, white field Apartment, plot no. 20

Ashok Nagar, Pune - 411 007

Ph - 020 - 25510450

Mob - 9822014385

Sub:- Design, Supply, Erection, Commissioning of Wet Scrubber for Boiler.

Dear Sir,

With reference to your quotation for above we are pleased to place our order on you as follows.

1) Scope -

Wet scrubber Make - M/s. Aerochem Engineering co.

Design, Supply, Erection, Commissioning of Venture Wet type Scrubber following specification.

Boiler Capacity - 37 TPH

Type of scrubber - Venture Wet type Scrubber

Inlet gas Volume - 144000 CMH (2400 CMS)

Inlet gas Temp. - 180 deg. C

Efficiency - 97 - 99%

Type of Throat - Fixed

Dust Loading at Outlet - < 100 mg / Nm³

Material of Construction:-

Venturi Stainless Steel 304 10mm thk.

Plenum Chamber, scrubber & Other Connections MS 10mm thk

Scrubber bottom shell, Bottom cone, Cyclonic entry & Plenum inside lining with SS 304 1.6mm thk.

Scrubber shall be provided with with mist eliminator and sight and light glasses and manhole for inspection and maintenance.

Spray header with nozzles shall be provided in two sets in scrubber, One set in plenum and backwash for mist eliminator.....MOC SS304.

Date: 10/10/2018, Pargaon Via Awasari Bk.,
Ambegaon, Dist - Pune, 412 406
TELEFAX: (02133) 284231, 284232,
284241, 284246, 284270, 9975568130
Telegram: Bhimashankar Sugar
E-mail: bsskltd@gmail.com / bsskl@rediffmail.com



BHIMASHANKAR
SAHAKARI SAKHAR KARKHANA LTD.

(Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 1994 Dt.31-3-94)

Wet scrubber installation shall be such that it should be suitable for operation with both boilers, one at a time.

Required steel material for flue gas ducting from existing ducting upto venturi inlet and from scrubber outlet upto existing ducting is excluded from scope of supply and work.

6 Nos. flue gas ducting dampers are included in the scope of supply for wet scrubber.

Ash handling system is excluded from scope of supply.

Required pumps- 2 Nos. Clearwater pump with SS impeller, CI body self priming type.

Civil work is in the scope of BSSK Ltd.

All required valves are in the scope of supply.

Approval from pollution authorities. is in the scope of work. Necessary fees will be paid by BSSK Ltd.

2) Quantity – 1 Set ✓

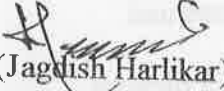
3) Rate – for supply Rs. 30,00,000/- (Rupyees Thirty Lakh Only)
for Erection Commissioning Rs. 5,00,000/- (Rupyees Five Lakh Only)

4) Payment –For Supply–30% Advance, 60% Against delivery, Balance after satisfactory trial. ✓
For Erection Commissioning – 90% After completion of work, 10% After satisfactory Trial. ✓

5) Taxes – Extra as applicable ✓

6) Transportation – Nil.

Thanking you,
Yours faithfully


(Jagdish Harlikar)
Managing Director

Da.agar, Pargaon Via Awasari Bk.,

ambegaon, Dist - Pune. 412 406

TELEFAX: (020) 284231, 284232,

284241, 284246, 284270, 9975568130

Telegram : Bhimashankar Sugar

E-mail : bssktd@gmail.com / bsskl@rediffmail.com



BHIMASHANKAR
SAHAKARI SAKHAR KARKHANA LTD.

(Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 1994 Dt.31-3-94)

Wet scrubber Make – M/s. Aerochem Engineering co.

Design, Supply, Erection, Commissioning of Venture Wet type Scrubber following specification.

Boiler Capacity – 37 TPH

Type of scrubber – Venture Wet type Scrubber

Inlet gas Volume – 144000CMH (2400CMS)

Inlet gas Temp. – 180 deg. C

Efficiency – 97 – 99%

Type of Throat – Fixed

Dust Loading at Outlet - < 100 mg / Nm³

Material of Construction:-

Venturi Stainless Steel 304 10mm thk.

Plenum Chamber, scrubber & Other ConnectionsMS 10mm thk

Scrubber bottom shell, Bottom cone, Cyclonic entry & Plenum inside lining with SS 304 1.6mm thk.

Scrubber shall be provided with with mist eliminator and sight and light glasses and manhole for inspection and maintenance.

Spray header with nozzles shall be provided in two sets in scrubber, One set in plenum and backwash for mist eliminator.....MOC SS304.

**Venturi Type Wet Scrubber installed at M/s Bhimashankar SSK Ltd.,
Tal.- Ambegaon, Dist.-Pune, common to Two Nos. 40 TPH Boilers.**

- 1) Reference Drawings - a) Drg. No.- 2148-103837/1, GA Drg. of Wet Scrubber,
b) Drg. No.- 2148- 103837/2, Venturi Details,
c) Drg. No.- 2148- 103837 R5, Wet Scrubber Layout
Details
d) Drg. No.- 2148-103837/14, Fresh Water Pump &
Piping Details

2) General arrangement of Venturi Type Wet Scrubber System.

Prior to installation of 'Airochem' make Wet Scrubber, there were two MDC's installed, one for each boiler independently. In the present system, one of the two existing MDC's is removed from it's place and One No. 'Airochem' Venturi Type Wet Scrubber is installed in it's place.

Inter-connecting flue gas ducting path is designed in such a way that when only one boiler in operation, flue gases from that boiler shall be routed Venturi through newly installed Venturi type Wet Scrubber. When both boilers are in operation, one Boiler shall be connected MDC and other Boiler shall be connected to newly installed Venturi type Wet Scrubber. Suitable multi-louvered are provided in the ducting to carry out this operation.

3) Design & Working of 'Airochem' make Venturi type Wet Scrubber.

The 'Airochem' Wet Scrubber consist of a Wet Venturi followed by a liquid entrainment separator. Ash particles laden flue gases enter the venture and instantly make contact with the radially introduced scrubbing liquid swirling down the venturi's convergent walls. At the venture throat, the flue gas and liquid streams collide and the liquid breaks down into droplets which trap fly ash particles. This gas/liquid mixture passes throu an elbow diffuser and enters the entrainment separator through a tangential inlet. Centrifugal action removes the heavy wetted particles from the gas stream.

Suitably designed mist eliminators are provided inside entrainment separator at it's top for removing fine water particles from the gas strean. Clean gases are let out from top of the entrainment separator, to ID Fan inlet. Wetted ash mixed with liquid, commonally called as Slurry, is let out at the bottom, to the suitably designed soak pits.



BHIMASHANKAR

SAHAKARI SAKHAR KARKHANA LTD.



भीमाशंकर

सहकारी साखर कारखाना लि.

Regd.No: P.N.A. / A.G.N. / P.R.G.(A) S-47 / 1994 Dt.31-3-1994

Dattatraynagar, Pargaon Via Awasari (Bk.), Tal- Ambegaon, Dist - Pune. 412 406

Tel.Fax: (02133) 284241, 284270, 9975568130, 8888846990 E-mail : bsskltd@gmail.com Web site: www.bhimashankarssk.com, www.bsskl.sets.co.in

BSSK/Pur./ 912. /2021 – 2022

Date :- 10/07/2021
13

Work Order

To,
M/s. ONSHA MANUFACTURES (3/77) ✓
A/P- MANCHAR, TAL- AMBEGAON,
DIST- PUNE.
Mob – 9960829840
Email- ashokhngencp@gmail.com

Sub:- Boiler Wet Scrubber Repairing Work . (Tender A-62) ✓

Dear Sir,

With reference to Board of Director Meeting negotiations dated 03/07/2021, we are pleased to place our order for Boiler Wet Scrubber Repairing Work as follows.

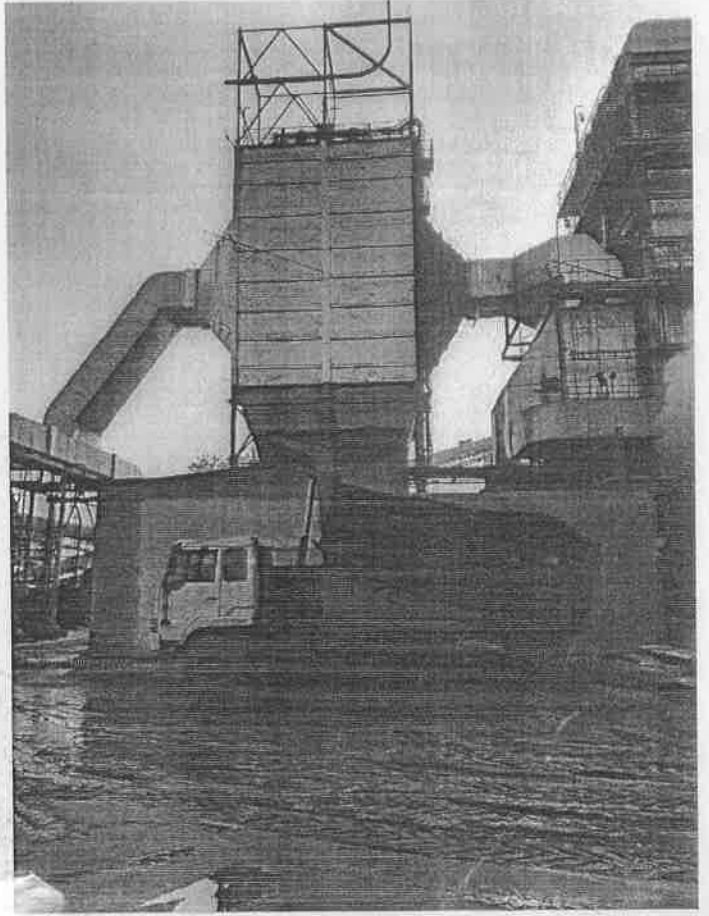
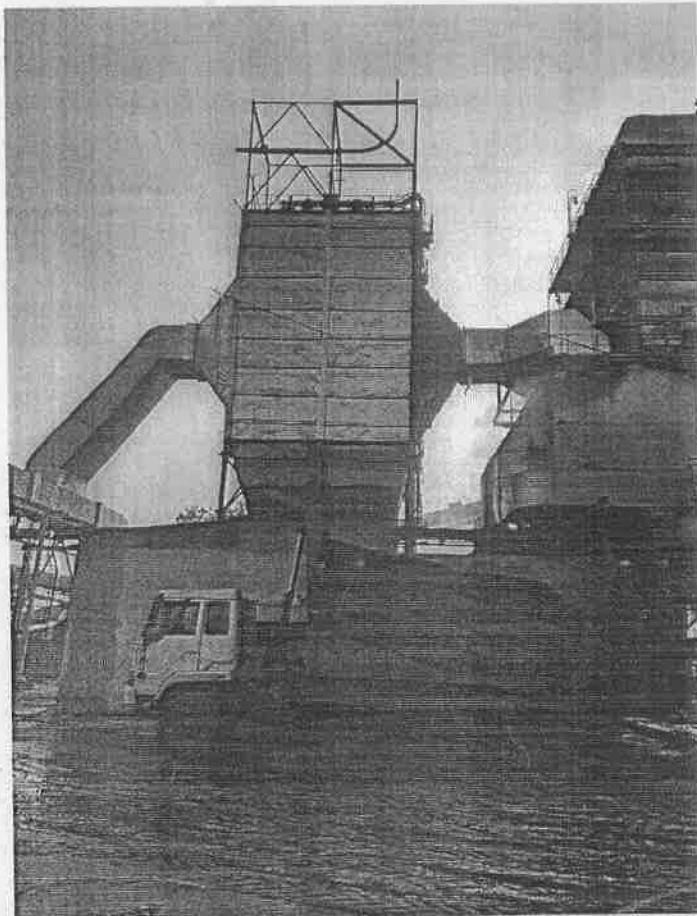
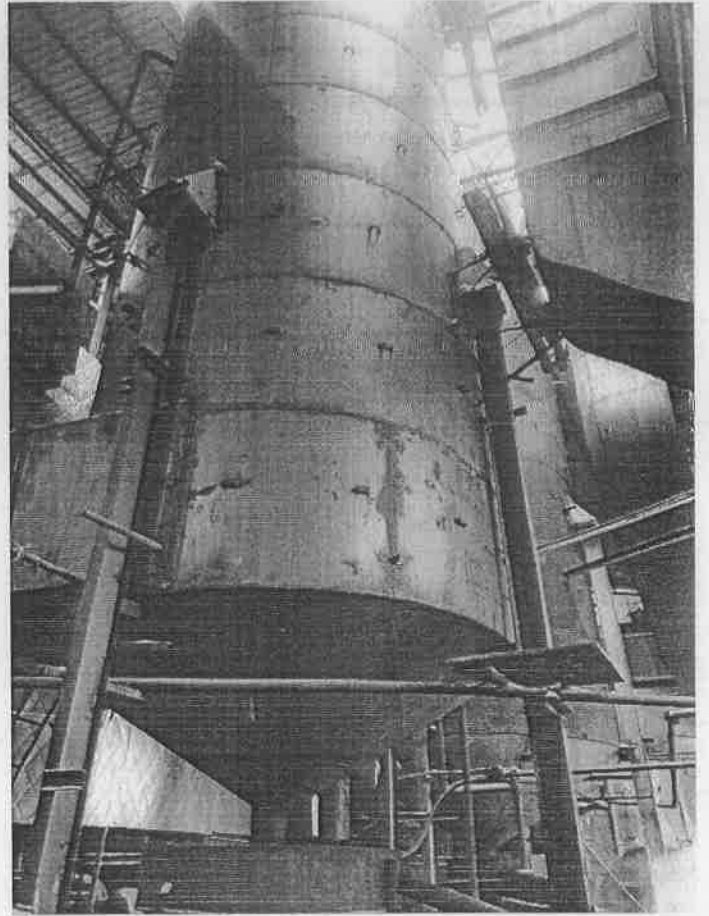
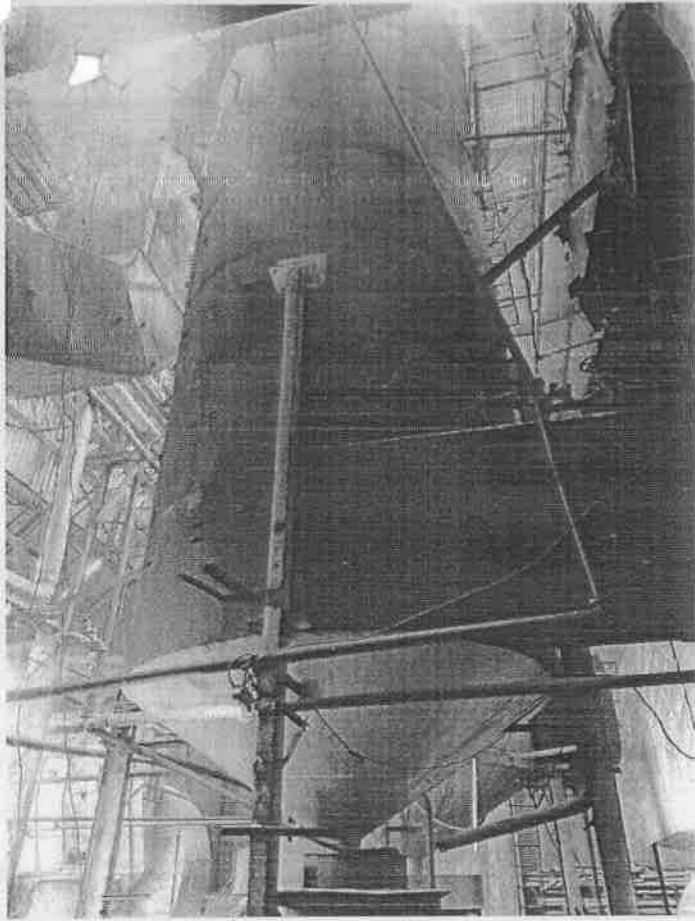
Sr. No.	Item code	Description	Unit	Qty	Rate /Unit INR
1	1274	Wet Scrubber repairing work for Boiler No MR 13151 Scope of Work Complete replacement of wet scrubber body, Top Plate & bottom cone Height of body – 14 Mtr Diameter – 4.600 Mtr Plate thickness for complete body, top plate & bottom cone – M.S. 10 mm	Job ✓	01 ✓	2700000/- (Rs. Twenty Seven Lakh Only)

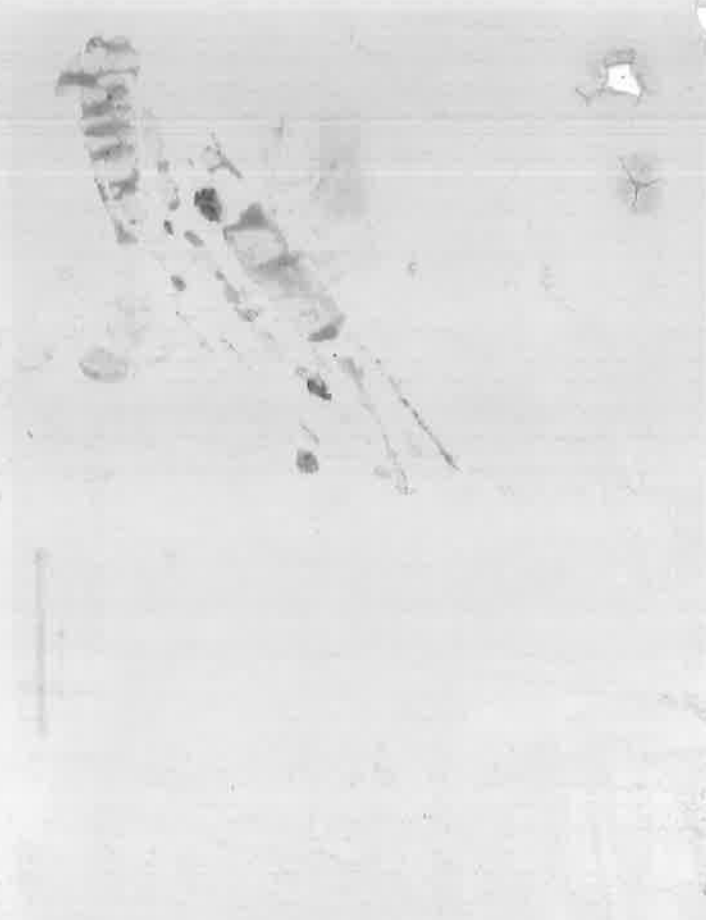
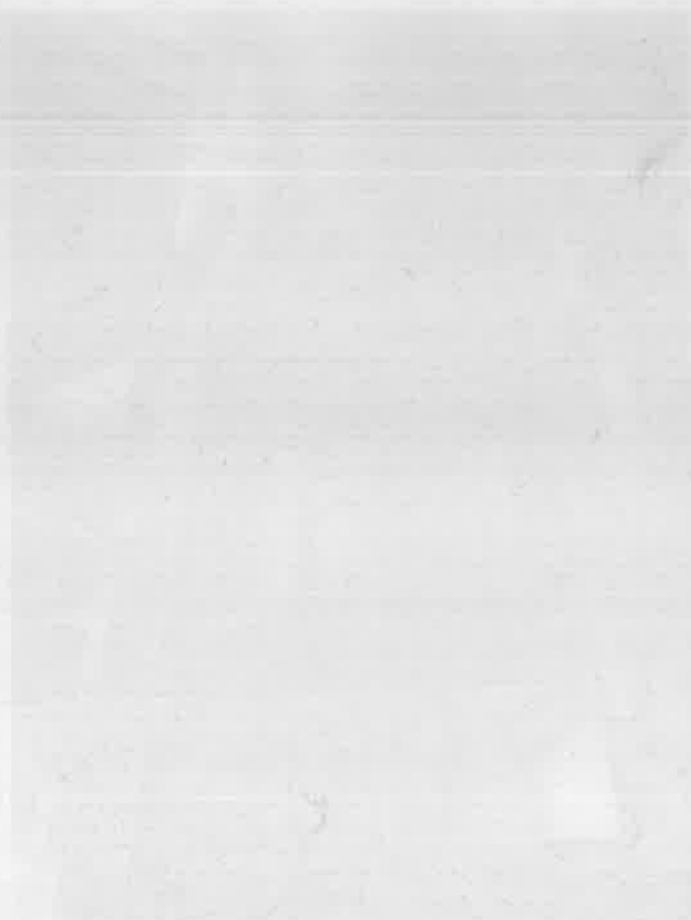
Terms and Conditions :-

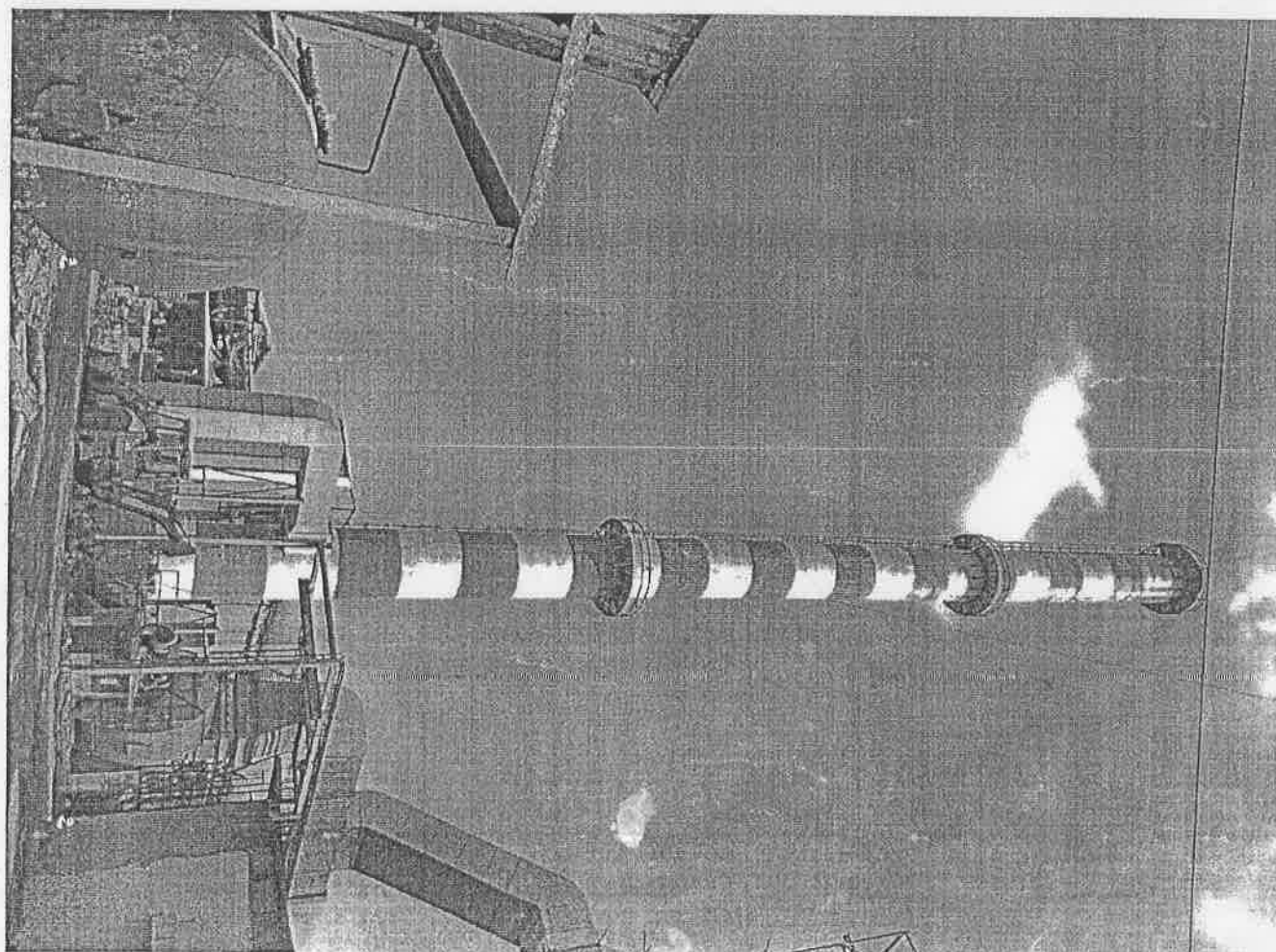
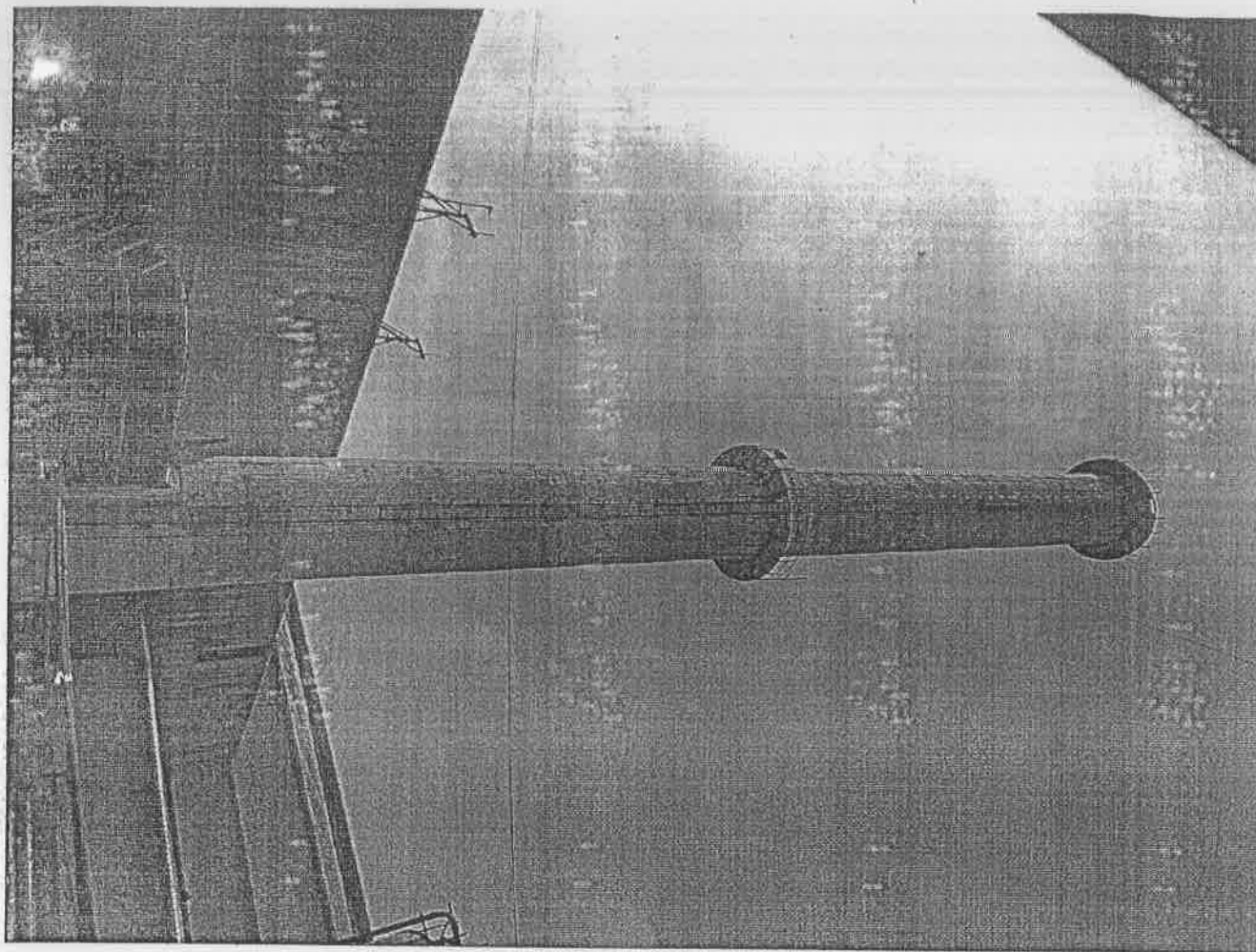
- 1) GST:- Extra As Applicable. ✓
- 2) Payment- 50% Advance, balance as per work progress. ✓
- 3) Transportation – Nil. ✓

Thanking You,
Yours faithfully,

(C.G. Dhage)
Managing Director











EnviroConnect Forbes Marshall Multi Station Report

From Date 01-11-2024 00:00
To Date 30-11-2024 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK1
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

28-11-2024 00:00 36.48 < MB
29-11-2024 00:00 44.66 < M
30-11-2024 00:00 44.76 < M

Average 42
Geom.Mean 41.8
Maximum 44.8
Median 44.7
Minimum 36.5
Mode 44.7
Std.Deviation 4.8
Total Active Duration

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-11-2024 00:00
To Date 30-11-2024 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK2
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

28-11-2024 00:00	2 < M
29-11-2024 00:00	2 < M
30-11-2024 00:00	2 < M
Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	0
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-12-2024 00:00
 To Date 31-12-2024 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK1
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-12-2024 00:00	44.3 < M
02-12-2024 00:00	44.14 < M
03-12-2024 00:00	44.11 < M
04-12-2024 00:00	44.11 < M
05-12-2024 00:00	43.65 < M
06-12-2024 00:00	44.31 < M
07-12-2024 00:00	44.53 < M
08-12-2024 00:00	45.48 < M
09-12-2024 00:00	45.42 < M
10-12-2024 00:00	45.14 < M
11-12-2024 00:00	45.3 < M
12-12-2024 00:00	45.22 < M
13-12-2024 00:00	45.41 < M
14-12-2024 00:00	45.66 < M
15-12-2024 00:00	45.42 < M
16-12-2024 00:00	45.14 < M
17-12-2024 00:00	44.94 < M
18-12-2024 00:00	45.09 < M
19-12-2024 00:00	45.12 < M
20-12-2024 00:00	45.2 < M
21-12-2024 00:00	44.94 < M
22-12-2024 00:00	45.3 < M
23-12-2024 00:00	45.72 < M
24-12-2024 00:00	45.32 < M
25-12-2024 00:00	45.85 < M
26-12-2024 00:00	45.62 < M
27-12-2024 00:00	46.19 < M
28-12-2024 00:00	44.91 < M
29-12-2024 00:00	45.76 < M
30-12-2024 00:00	45.64 < M
31-12-2024 00:00	44.95 < M

Average	45.1
Geom.Mean	45.1
Maximum	46.2
Median	45.2
Minimum	43.7
Mode	45.5
Std.Deviation	0.6

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-12-2024 00:00
 To Date 31-12-2024 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK2
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-12-2024 00:00	2 < M
02-12-2024 00:00	2 < M
03-12-2024 00:00	2 < M
04-12-2024 00:00	2 < M
05-12-2024 00:00	2 < M
06-12-2024 00:00	2 < M
07-12-2024 00:00	2 < M
08-12-2024 00:00	2 < M
09-12-2024 00:00	2 < M
10-12-2024 00:00	2 < M
11-12-2024 00:00	2 < M
12-12-2024 00:00	2 < M
13-12-2024 00:00	2 < M
14-12-2024 00:00	2 < M
15-12-2024 00:00	2 < M
16-12-2024 00:00	2 < M
17-12-2024 00:00	2 < M
18-12-2024 00:00	2 < M
19-12-2024 00:00	2 < M
20-12-2024 00:00	2 < M
21-12-2024 00:00	2 < M
22-12-2024 00:00	2 < M
23-12-2024 00:00	2 < M
24-12-2024 00:00	2 < M
25-12-2024 00:00	2 < M
26-12-2024 00:00	2 < M
27-12-2024 00:00	2 < M
28-12-2024 00:00	2 < M
29-12-2024 00:00	2 < M
30-12-2024 00:00	2 < M
31-12-2024 00:00	2 < M
Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	0

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-01-2025 00:00
 To Date 31-01-2025 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK1
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-01-2025 00:00	45.61 < M
02-01-2025 00:00	45.51 < M
03-01-2025 00:00	45.29 < M
04-01-2025 00:00	44.93 < M
05-01-2025 00:00	45.47 < M
06-01-2025 00:00	45.55 < M
07-01-2025 00:00	46.03 < M
08-01-2025 00:00	45.82 < M
09-01-2025 00:00	45.96 < M
10-01-2025 00:00	45.66 < M
11-01-2025 00:00	45.34 < M
12-01-2025 00:00	45.59 < M
13-01-2025 00:00	45.66 < M
14-01-2025 00:00	45.56 < M
15-01-2025 00:00	45.74 M
16-01-2025 00:00	45.48 < M
17-01-2025 00:00	45.2 < M
18-01-2025 00:00	45.9 < M
19-01-2025 00:00	45.75 < M
20-01-2025 00:00	45.36 < M
21-01-2025 00:00	45.1 < M
22-01-2025 00:00	45.65 < M
23-01-2025 00:00	45.27 < M
24-01-2025 00:00	45.23 < M
25-01-2025 00:00	45.16 < M
26-01-2025 00:00	45.05 < M
27-01-2025 00:00	44.98 < M
28-01-2025 00:00	44.93 < M
29-01-2025 00:00	45.51 < M
30-01-2025 00:00	45.02 < M
31-01-2025 00:00	45.08 < M
Average	45.4
Geom.Mean	45.4
Maximum	46
Median	45.5
Minimum	44.9
Mode	45.5
Std.Deviation	0.3

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-01-2025 00:00
 To Date 31-01-2025 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK2
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-01-2025 00:00	2 < M
02-01-2025 00:00	2 < M
03-01-2025 00:00	2 < M
04-01-2025 00:00	2 < M
05-01-2025 00:00	2 < M
06-01-2025 00:00	2 < M
07-01-2025 00:00	2 < M
08-01-2025 00:00	2 < M
09-01-2025 00:00	2 < M
10-01-2025 00:00	2 < M
11-01-2025 00:00	2 < M
12-01-2025 00:00	2 < M
13-01-2025 00:00	2 < M
14-01-2025 00:00	2 < M
15-01-2025 00:00	2 M
16-01-2025 00:00	2 < M
17-01-2025 00:00	2 < M
18-01-2025 00:00	2 < M
19-01-2025 00:00	2 < M
20-01-2025 00:00	2 < M
21-01-2025 00:00	2 < M
22-01-2025 00:00	2 < M
23-01-2025 00:00	2 < M
24-01-2025 00:00	2 < M
25-01-2025 00:00	2 < M
26-01-2025 00:00	2 < M
27-01-2025 00:00	2 < M
28-01-2025 00:00	2 < M
29-01-2025 00:00	2 < M
30-01-2025 00:00	2 < M
31-01-2025 00:00	2 < M
Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	0

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-02-2025 00:00
 To Date 28-02-2025 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK1
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-02-2025 00:00	45.45 < M
02-02-2025 00:00	45.43 < M
03-02-2025 00:00	45.14 < M
04-02-2025 00:00	45.09 < M
05-02-2025 00:00	45.45 < M
06-02-2025 00:00	45.62 < M
07-02-2025 00:00	45.29 < M
08-02-2025 00:00	45.72 < M
10-02-2025 00:00	44.27 < M
11-02-2025 00:00	45.3 < M
12-02-2025 00:00	45.44 < M
13-02-2025 00:00	45.51 < M
14-02-2025 00:00	44.98 < M
15-02-2025 00:00	44.97 < M
16-02-2025 00:00	45.47 < M
17-02-2025 00:00	45.06 < M
18-02-2025 00:00	45.32 < M
19-02-2025 00:00	45.45 < M
20-02-2025 00:00	45.1 < M
21-02-2025 00:00	44.78 < M
22-02-2025 00:00	45.1 < M
23-02-2025 00:00	45.1 < M
24-02-2025 00:00	44.95 < M
25-02-2025 00:00	44.79 < M
26-02-2025 00:00	45.21 < M
27-02-2025 00:00	45.22 < M
28-02-2025 00:00	45.27 < M
Average	45.2
Geom.Mean	45.2
Maximum	45.7
Median	45.2
Minimum	44.3
Mode	45.3
Std.Deviation	0.3
Total Active Duration	

EnviroConnect

Forbes Marshall

Multi Station Report

From Date

01-02-2025 00:00

To Date

28-02-2025 23:59

Interval

Daily

Function

Average

Plant

BSSK

Analyzer

STACK2

Parameter

PM

Unit

mg/Nm3

Limit

0.00 - 150.00

01-02-2025 00:00	2 < M
02-02-2025 00:00	2 < M
03-02-2025 00:00	2 < M
04-02-2025 00:00	2 < M
05-02-2025 00:00	2 < M
06-02-2025 00:00	2 < M
07-02-2025 00:00	2 < M
08-02-2025 00:00	2 < M
10-02-2025 00:00	2 < M
11-02-2025 00:00	2 < M
12-02-2025 00:00	2 < M
13-02-2025 00:00	2 < M
14-02-2025 00:00	2 < M
15-02-2025 00:00	2 < M
16-02-2025 00:00	2 < M
17-02-2025 00:00	2 < M
18-02-2025 00:00	2 < M
19-02-2025 00:00	2 < M
20-02-2025 00:00	2 < M
21-02-2025 00:00	2 < M
22-02-2025 00:00	2 < M
23-02-2025 00:00	2 < M
24-02-2025 00:00	2 < M
25-02-2025 00:00	2 < M
26-02-2025 00:00	2 < M
27-02-2025 00:00	2 < M
28-02-2025 00:00	2 < M
Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	2
Total Active Duration	0

From Date

01-03-2025 00:00

To Date

31-03-2025 23:59

Interval

Daily

Function

Average

Plant

BSSK

Analyzer

STACK1

Parameter

PM

Unit

mg/Nm3

Limit

0.00 - 150.00

01-03-2025 00:00	45.27 < M
02-03-2025 00:00	45.1 < M
03-03-2025 00:00	45.43 < M
04-03-2025 00:00	44.73 < M
05-03-2025 00:00	45.55 < M
06-03-2025 00:00	45.12 < M
07-03-2025 00:00	45.2 < M
08-03-2025 00:00	45.3 < M
09-03-2025 00:00	44.9 < M
10-03-2025 00:00	45.19 < M
11-03-2025 00:00	44.48 < M
12-03-2025 00:00	44.81 < M
13-03-2025 00:00	45.23 < M
14-03-2025 00:00	45.01 < M
15-03-2025 00:00	44.85 < M
16-03-2025 00:00	45.48 < M
17-03-2025 00:00	44.94 < M
18-03-2025 00:00	44.6 < M
19-03-2025 00:00	45.01 < M
20-03-2025 00:00	44.9 < M
21-03-2025 00:00	44.9 < M
22-03-2025 00:00	45.3 < M
23-03-2025 00:00	45.36 < M
24-03-2025 00:00	44.42 < M
25-03-2025 00:00	45.09 < M
26-03-2025 00:00	44.87 < M
27-03-2025 00:00	44.88 < M
28-03-2025 00:00	45.04 < M
29-03-2025 00:00	44.91 < M
30-03-2025 00:00	43.88 < M
31-03-2025 00:00	44.35 < M
Average	45
Geom.Mean	45
Maximum	45.6
Median	45
Minimum	43.9
Mode	45.1
Std.Deviation	0.4

EnviroConnect

Forbes Marshall

Multi Station Report

From Date 01-03-2025 00:00
 To Date 31-03-2025 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK2
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-03-2025 00:00	2 < M
02-03-2025 00:00	2 < M
03-03-2025 00:00	2 < M
04-03-2025 00:00	2 < M
05-03-2025 00:00	2 < M
06-03-2025 00:00	2 < M
07-03-2025 00:00	2 < M
08-03-2025 00:00	2 < M
09-03-2025 00:00	2 < M
10-03-2025 00:00	2 < M
11-03-2025 00:00	2 < M
12-03-2025 00:00	2 < M
13-03-2025 00:00	2 < M
14-03-2025 00:00	2 < M
15-03-2025 00:00	2 < M
16-03-2025 00:00	2 < M
17-03-2025 00:00	2 < M
18-03-2025 00:00	2 < M
19-03-2025 00:00	2 < M
20-03-2025 00:00	2 < M
21-03-2025 00:00	2 < M
22-03-2025 00:00	2 < M
23-03-2025 00:00	2 < M
24-03-2025 00:00	2 < M
25-03-2025 00:00	2 < M
26-03-2025 00:00	2 < M
27-03-2025 00:00	2 < M
28-03-2025 00:00	2 < M
29-03-2025 00:00	2 < M
30-03-2025 00:00	2 < M
31-03-2025 00:00	2 < M
Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	0

EnviroConnect

Forbes Marshall

Multi Station Report

From Date 01-04-2025 00:00
To Date 30-04-2025 23:59
Interval Daily
Function Average

Plant BSSK
Analyzer STACK1
Parameter PM
Unit mg/Nm3
Limit 0.00 - 150.00

01-04-2025 00:00	44.43 < M
02-04-2025 00:00	44.56 < M
03-04-2025 00:00	44.67 < M
04-04-2025 00:00	44.92 < M
05-04-2025 00:00	44.85 < M
06-04-2025 00:00	44.73 < M
07-04-2025 00:00	44.39 < M
08-04-2025 00:00	44.68 < M
09-04-2025 00:00	44.49 < M
10-04-2025 00:00	45.17 < M
11-04-2025 00:00	45.1 < M
12-04-2025 00:00	45.12 < M
13-04-2025 00:00	44.86 < M
14-04-2025 00:00	44.24 < M
15-04-2025 00:00	44.74 < M
16-04-2025 00:00	44.35 < M
17-04-2025 00:00	45.03 < M
18-04-2025 00:00	44.91 < M
19-04-2025 00:00	44.78 < M
20-04-2025 00:00	45.07 < M
21-04-2025 00:00	44.78 < M
22-04-2025 00:00	44.5 < M
23-04-2025 00:00	44.74 < M
25-04-2025 00:00	42.3 < M
Average	44.6
Geom.Mean	44.6
Maximum	45.2
Median	44.7
Minimum	42.3
Mode	44.8
Std.Deviation	0.6
Total Active Duration	

EnviroConnect Forbes Marshall Multi Station Report

From Date 01-04-2025 00:00
 To Date 30-04-2025 23:59
 Interval Daily
 Function Average

Plant BSSK
 Analyzer STACK2
 Parameter PM
 Unit mg/Nm3
 Limit 0.00 - 150.00

01-04-2025 00:00	2 < M
02-04-2025 00:00	2 < M
03-04-2025 00:00	2 < M
04-04-2025 00:00	2 < M
05-04-2025 00:00	2 < M
06-04-2025 00:00	2 < M
07-04-2025 00:00	2 < M
08-04-2025 00:00	2 < M
09-04-2025 00:00	2 < M
10-04-2025 00:00	2 < M
11-04-2025 00:00	2 < M
12-04-2025 00:00	2 < M
13-04-2025 00:00	2 < M
14-04-2025 00:00	2 < M
15-04-2025 00:00	2 < M
16-04-2025 00:00	2 < M
17-04-2025 00:00	2 < M
18-04-2025 00:00	2 < M
19-04-2025 00:00	2 < M
20-04-2025 00:00	2 < M
21-04-2025 00:00	2 < M
22-04-2025 00:00	2 < M
23-04-2025 00:00	2 < M
25-04-2025 00:00	2 < M
Average	2
Geom.Mean	2
Maximum	2
Median	2
Minimum	2
Mode	2
Std.Deviation	0
Total Active Duration	



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/86-587/2024-25	
		Report Date	28/03/2025	
		Inward No	AL/9-457/04/2024 25	
		Smpling Date	20/03/2025	
Sample Location	North West -Mr. Bharat Dhobale House	Sampling Time	12:10 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	31.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	30	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	26.91	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	28.17	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	53.60	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.40	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.79	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.70	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-05	2464573	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohile

Verified by
(Analyst)

Sipul

Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/86-586/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	28/03/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-457/03/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune 412 406		Sampling Date	20/03/2025	
Sample Location	South West- Mr. Pratik Ware House	Sampling Time	11:54 AM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	31.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	31	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	20.37	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	23.54	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	19.80	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.57	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.74	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-07	2464575	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARI/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

Signature

Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/86-585/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	28/03/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-457/02/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	20/03/2025	
Sample Location	North East -Mr. Pravin Dhobale House	Sampling Time	11:40 AM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	31.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	33	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	21.49	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.07	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	49.90	≤ 100 ¹	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.60	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.81	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.62	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-04	2464572	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

Cipul

Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/06-584/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	28/03/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-457/01/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sample Date	20/03/2025	
Sample Location	South East - Mr. Vinayak Jadhav House	Sampling Time	11:12 AM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	31.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	34	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	22.19	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.72	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	50.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.30	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.64	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.37	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method)
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	Method Of Air Sampling, 3 rd Edition
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 11)RA 2022
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	IS:5182 (Part 12)RA 2019
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate			
Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-01	2464569	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohile

Verified by
(Analyst)

Authorized Signatory

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/85-950/2024-25	
		Report Date	22/02/2025	
		Inward No	AL/9-405/03/2024-25	
		Sampling Date	14/02/2025	
Sample Location	South Side- Shri Yogesh Pingale House	Sampling Time	02:16 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	30	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	19.75	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	22.64	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	53.40	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.70	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.62	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.68	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzené (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-01	2464569	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARI./SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

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Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Report No	AL/TR/85-951/2024-25	
		Report Date	22/02/2025	
		Inward No	AL/9-405/04/2024-25	
		Smpling Date	14/02/2025	
Sample Location	North Side -Shri Bhausaheb Dhobale House	Sampling Time	02:35 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	34	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	25.84	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	27.39	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.90	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 mlcrön)	µg/m ³	19.60	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.87	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.79	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-07	2464575	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

...End of test report...

Cipul

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. -Ambegaon, Dist. Pune-412 406		Report No	AL/TR/85-949/2024-25
		Report Date	22/02/2025
		Inward No	AL/9-405/02/2024-25
		Sampling Date	14/02/2025
Sample Location	West Side -Shri Mayur Dhobale House	Sampling Time	01:42 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	32	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.14	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.07	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.30	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.74	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.57	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-02	2464570	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

Signature

Authorized Signatory

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-948/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	22/02/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-405/01/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Samplin Date	14/02/2025	
Sample Location	East Side - Shri Hosiram Dhobale House	Sampling Time	01:18 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	36	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	21.68	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	23.45	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	49.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	22.50	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.57	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.24	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate			
Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-05	2464573	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

Caipul

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. – Pune-412 406		Report No	AL/TR/85-517/2024-25
		Report Date	27/01/2025
		Inward No	AL/9-362/05/2024-25
		Sampling Date	20/01/2025
Sample Location	Near Kata Gate (Company Premises)	Sampling Time	01:30 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	29.53	≤ 80	IS:5182(Part-2/Sec-1)RA 2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	36.89	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	68.50	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	28.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.02	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.93	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-05	2464573	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

M. Amohide

Verified by
(Analyst)

Gipul

Authorized Signatory

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-516/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	27/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-362/04/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Smpling Date	20/01/2025	
Sample Location	South East-Shri Ramdas Nahare House	Sampling Time	12:00 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	47	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	26.19	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	28.89	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	51.30	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.50	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.92	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.71	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-02	2464570	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

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Authorized Signatory

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-515/2024-25
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	27/01/2025
Dattatraynagar, Pargaon,		Inward No	AL/9-362/03/2024-25
Village-Awasari Bk., Tal. - Ambegaon, Dist.- Pune-412 406		Sampling Date	20/01/2025
Sample Location	South West - Shri Balasaheb Dhobale House	Sampling Time	12:30 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	53	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	27.65	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	29.49	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	55.40	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	22.60	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.69	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.61	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-06	2464574	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohide

Verified by
(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-514/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	27/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-362/02/2024-25	
Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Sampling Date	20/01/2025	
Sample Location	North East -Shri Vitthal Dhobale House	Sampling Time	12:50 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	24.74	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	28.18	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	52.70	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.78	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.42	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-01	2464569	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Blk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-513/2024-25	
		Report Date	27/01/2025	
		Inward No	AL/9-362/01/2024-25	
		Samplin Date	20/01/2025	
Sample Location	North West - Shri Mauli Asware House	Sampling Time	01:00 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	52	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	19.16	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	22.33	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	46.90	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.40	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.36	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.12	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-04	2464572	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohide.

Verified by
(Analyst)

Authorized Signatory

...End of test report...

1. Name of the person	2. Address	3. Date of birth	4. Date of death
5. Name of the person	6. Address	7. Date of birth	8. Date of death
9. Name of the person	10. Address	11. Date of birth	12. Date of death
13. Name of the person	14. Address	15. Date of birth	16. Date of death
17. Name of the person	18. Address	19. Date of birth	20. Date of death

21. Name of the person	22. Address	23. Date of birth	24. Date of death
25. Name of the person	26. Address	27. Date of birth	28. Date of death
29. Name of the person	30. Address	31. Date of birth	32. Date of death
33. Name of the person	34. Address	35. Date of birth	36. Date of death
37. Name of the person	38. Address	39. Date of birth	40. Date of death
41. Name of the person	42. Address	43. Date of birth	44. Date of death
45. Name of the person	46. Address	47. Date of birth	48. Date of death
49. Name of the person	50. Address	51. Date of birth	52. Date of death
53. Name of the person	54. Address	55. Date of birth	56. Date of death
57. Name of the person	58. Address	59. Date of birth	60. Date of death
61. Name of the person	62. Address	63. Date of birth	64. Date of death
65. Name of the person	66. Address	67. Date of birth	68. Date of death
69. Name of the person	70. Address	71. Date of birth	72. Date of death
73. Name of the person	74. Address	75. Date of birth	76. Date of death
77. Name of the person	78. Address	79. Date of birth	80. Date of death
81. Name of the person	82. Address	83. Date of birth	84. Date of death
85. Name of the person	86. Address	87. Date of birth	88. Date of death
89. Name of the person	90. Address	91. Date of birth	92. Date of death
93. Name of the person	94. Address	95. Date of birth	96. Date of death
97. Name of the person	98. Address	99. Date of birth	100. Date of death

101. Name of the person	102. Address	103. Date of birth	104. Date of death
105. Name of the person	106. Address	107. Date of birth	108. Date of death
109. Name of the person	110. Address	111. Date of birth	112. Date of death
113. Name of the person	114. Address	115. Date of birth	116. Date of death
117. Name of the person	118. Address	119. Date of birth	120. Date of death

121. Name of the person	122. Address	123. Date of birth	124. Date of death
125. Name of the person	126. Address	127. Date of birth	128. Date of death
129. Name of the person	130. Address	131. Date of birth	132. Date of death
133. Name of the person	134. Address	135. Date of birth	136. Date of death
137. Name of the person	138. Address	139. Date of birth	140. Date of death

141. Name of the person	142. Address	143. Date of birth	144. Date of death
145. Name of the person	146. Address	147. Date of birth	148. Date of death
149. Name of the person	150. Address	151. Date of birth	152. Date of death
153. Name of the person	154. Address	155. Date of birth	156. Date of death
157. Name of the person	158. Address	159. Date of birth	160. Date of death

161. Name of the person	162. Address	163. Date of birth	164. Date of death
165. Name of the person	166. Address	167. Date of birth	168. Date of death
169. Name of the person	170. Address	171. Date of birth	172. Date of death
173. Name of the person	174. Address	175. Date of birth	176. Date of death
177. Name of the person	178. Address	179. Date of birth	180. Date of death

181. Name of the person	182. Address	183. Date of birth	184. Date of death
185. Name of the person	186. Address	187. Date of birth	188. Date of death
189. Name of the person	190. Address	191. Date of birth	192. Date of death
193. Name of the person	194. Address	195. Date of birth	196. Date of death
197. Name of the person	198. Address	199. Date of birth	200. Date of death

201. Name of the person	202. Address	203. Date of birth	204. Date of death
205. Name of the person	206. Address	207. Date of birth	208. Date of death
209. Name of the person	210. Address	211. Date of birth	212. Date of death
213. Name of the person	214. Address	215. Date of birth	216. Date of death
217. Name of the person	218. Address	219. Date of birth	220. Date of death



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-073/2024-25	
		Report Date	07/01/2025	
		Inward No	AL/9-312/05/2024-25	
		Sampling Date	30/12/2024	
Sample Location	Main Gate (Company Premises)	Sampling Time	12:15 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	44	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	26.53	≤ 80	IS:5182(Part 2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	27.85	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	56.70	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	24.10	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.82	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.76	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-03	2464571	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

M. Mahate.

Verified by
(Analyst)

[Signature]
Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-952/2024-25	
		Report Date	22/02/2025	
		Inward No	AL/9-405/05/2024-25	
		Sampling Date	30/12/2024	
Sample Location	Main Gate (Distillery)	Sampling Time	02:50 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	36	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.68	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	26.55	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	56.20	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	18.70	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.92	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.84	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-03	2464571	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

Cipuf

Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-072/2024-25
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	07/01/2025
Dattatraynagar, Pargaon,		Inward No	AL/9-312/04/2024-25
Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Smpling Date	30/12/2024
Sample Location	East-Shri Ramesh Gaikwad House	Sampling Time	01:30 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	47	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	24.41	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.83	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	49.60	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	20.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.70	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.62	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-07	2464575	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite.

Verified by
(Analyst)

Signature
Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dallatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-071/2024-25	
		Report Date	07/01/2025	
		Inward No	AL/9-312/03/2024-25	
		Sampling Date	30/12/2024	
Sample Location	South- Shri Satish Jadhav House	Sampling Time	01:15 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	50	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.89	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	24.68	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	53.10	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	21.80	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.59	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.64	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-01	2464569	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite.

Verified by
(Analyst)

Authorized Signatory

...End of test report...



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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-070/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karlkhana Ltd.		Report Date	07/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-312/02/2024-25	
Village-Awasari Bk., Tal. -Ambegaon, Dist.- Pune-412 406		Sampling Date	30/12/2024	
Sample Location	North -Near Tanishka Hotel	Sampling Time	12:55 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	53	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	25.32	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	26.09	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	54.70	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	22.90	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.65	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.52	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-05	2464573	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite.

Verified by
(Analyst)

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Authorized Signatory

...End of test report...

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भीमाशंकर सहकारी साखर कारखाना लि.

पत्र आवक नं. ३१६६

दिनांक - २४/०९/२०२५

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ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-069/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	07/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-312/01/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Samplin Date	30/12/2024	
Sample Location	West - Shri Nivrutti Dhobale House	Sampling Time	12:35 PM	
Sample Collected By	AARL	Time duration	08 Hr	

SR.NO.	PARAMETER	UNIT	RESULT	LIMITS	METHOD
1.	Ambient Temperature	°C	30.0	N.S.	EPA -454/R-99-005
2.	Relative Humidity	% rh	56	N.S.	EPA -454/R-99-005
3.	Sulphur Dioxide (SO ₂)	µg/m ³	23.18	≤ 80	IS:5182(Part-2/Sec-1)RA2023
4.	Oxides of Nitrogen (NO _x)	µg/m ³	25.61	≤ 80	IS:5182(Part-6)RA 2022
5.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	52.30	≤ 100	IS:5182(Part-23)RA 2022
6.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	23.80	≤ 60	IS:5182(Part-24):RA-2024
7.	Ozone (O ₃)	µg/m ³	16.72	≤ 180	IS:5182(Part-9)RA 2019
8.	Lead (Pb)	µg/m ³	BDL	≤ 1.0	IS:5182(Part-22)RA 2019
9.	Carbon Monoxide (CO)	mg/m ³	01.46	≤ 04	IS:5182(Part-10)RA 2019
10.	Ammonia as (NH ₃)	µg/m ³	BDL	≤ 400	Method No.401, (Indophenols method) Method Of Air Sampling, 3 rd Edition
11.	Benzene (C ₆ H ₆)	µg/m ³	BDL	≤ 05	IS:5182 (Part 11)RA 2022
12.	Benzo(a)Pyrene (BaP)	ng/m ³	BDL	≤ 01	IS:5182 (Part 12)RA 2019
13.	Arsenic (As)	ng/m ³	BDL	≤ 06	Lab Method/SOP/013/AAS EPM 2000 Equivalent filter paper
14.	Nickel (Ni)	ng/m ³	BDL	≤ 20	Lab Method/SOP/014/AAS EPM 2000 Equivalent filter paper

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-02	2464570	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025
Spectrophotometer	AARL/SPM/01	2464532	30/07/2025
Atomic Absorption Spectrometer	AARL/AAS/01	2464543	30/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per (NAAQS) National Ambient Air Quality Standards 2009.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. -Not Specified

Mamohite

Verified by
(Analyst)

Pragati
Authorized Signatory

...End of test report...

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No.	AL/TR/86-592/2024-25	
		Report Date	28/03/2025	
		Inward No	AI/9-457/09/2024-25	
		Sampling Date	20/03/2025	
Sample Location	Incineration Boiler (Distillery)-22 T/hr-No-1	Sampling Time	03:15 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A.	Stack Details				
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	01.52	N.S.	--
6.	Stack area	m ²	01.81	N.S.	--
B.	Parameters				
7.	Flue Gas Temperature	°C	238.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.24	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.83	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr	33653.27	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	44.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	65.10	N.S.	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	62.76	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	91.43	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-03	VAYU-098	29/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Mamohile

Verified by
(Analyst)

Cipuf

Authorized Signatory

...End of test report...



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SOURCE EMISSION MONITORING REPORT			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village - Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/86-591/2024-25
		Report Date	28/03/2025
		Inward No	AL/9-457/08/2024-25
		Sampling Date	20/03/2025
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	02:30 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A.	Stack Details				
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B.	Parameters				
7.	Flue Gas Temperature	°C	172.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.40	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.42	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	198813.90	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	105.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1157.11	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	247.21	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2431.54	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-03	VAYU-098	29/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

M. Amohite

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(Analyst)

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/86-590/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	28/03/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-457/07/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	20/03/2025	
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	01:45 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	152.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	05.01	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.76	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	277787.06	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	84.50	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	182.24	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	197.67	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2175.45	N.S.	IS:13270(Part-3):2008

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Flue Gas Analyzer	AK-VAYU-03	VAYU-098	29/05/2025
Stack Monitoring Kit Manual	AK-SMK-02	2464568	29/07/2025

REMARK, OPINION & INTERPRETATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

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SOURCE EMISSION MONITORING REPORT			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karichana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-956/2024-25
		Report Date	22/02/2025
		Inward No	AL/9-405/09/2024-25
Sample Location		Sampling Date	14/02/2025
Sample Collected By		Sampling Time	03:00 PM
		Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack		RCC	N.S.	
2.	Type of fuel		Bagasse	N.S.	
3.	Stack Height from G.L.	m	60.00	N.S.	
4.	Type of Stack		Round	N.S.	
5.	Dimensions of Stack	m	01.52	N.S.	
6.	Stack area	m ²	01.81	N.S.	
B. Parameters					
7.	Flue Gas Temperature	°C	231.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.19	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.72	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr	33685.77	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	45.30	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	70.35	N.S.	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	64.41	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	96.64	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-01	VAYU-096	06/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

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SOURCE EMISSION MONITORING REPORT			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-955/2024-25
		Report Date	22/02/2025
		Inward No	AL/9-405/08/2024-25
		Sampling Date	14/02/2025
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	04:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack		RCC	N.S.	--
2.	Type of fuel		Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	166.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.32	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.26	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr	198785.07	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	108.40	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1247.52	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	279.62	N.S.	IS 11255 (PART 7) RA 2022
14.	Carbon Monoxide	ppm	2610.17	N.S.	IS:13270(Part-3):2008

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Flue Gas Analyzer	AK-VAYU-01	VAYU-096	06/05/2025
Stack Monitoring Kit Manual	AK-SMK-02	2464568	29/07/2025

REMARK, OPINION & INTERPRITATION:-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-954/2024-25	
		Report Date	22/02/2025	
		Inward No	AI/9-405/07/2024 25	
		Sampling Date	14/02/2025	
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	03:30 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	148.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.95	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.66	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	277427.28	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	86.10	≤150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	195.21	≤3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	167.37	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2289.03	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-01	VAYU-096	06/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

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SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-520/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	27/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-362/08/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	20/01/2025	
Sample Location	Incineration Boiler (Distillery)-22 T/hr-No-1	Sampling Time	02:30 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR.NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	01.52	N.S.	--
6.	Stack area	m ²	01.81	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	225.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.02	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.49	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	33193.50	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	48.70	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	68.33	N.S.	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	63.21	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	98.62	N.S.	IS:13270(Part-3):2008

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Flue Gas Analyzer	AK-VAYU-03	VAYU-098	29/05/2025
Stack Monitoring Kit Manual	AK-SMK-02	2464568	29/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Mamohite

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(Analyst)

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SOURCE EMISSION MONITORING REPORT			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakar Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-519/2024-25
		Report Date	27/01/2025
		Inward No	AL/9-362/07/2024-25
		Sampling Date	20/01/2025
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	03:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	163.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.21	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.13	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	196911.90	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	105.60	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1356.31	≤ 3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	246.76	N.S.	IS 11255 (PART 7) RA 2022
14.	Carbon Monoxide	ppm	2575.42	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-03	VAYU-098	29/05/2025	
Stack Monitoring Kit Manual		AK-SMK-02	2464568	29/07/2025	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

M. Mohite.

Verified by
(Analyst)

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SOURCE EMISSION MONITORING REPORT			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatrayanagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune 412 406		Report No	AL/TR/85-518/2024-25
		Report Date	27/01/2025
		Inward No	AL/9-362/06/2024-25
		Sampling Date	20/01/2025
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	02:00 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	154.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	05.03	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.81	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr	276764.79	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	82.90	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	189.11	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	152.21	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2195.04	N.S.	IS:13270(Part-3):2008

Details of equipment used and its Calibration Certificate

Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Flue Gas Analyzer	AK-VAYU-03	VAYU-098	29/05/2025
Stack Monitoring Kit Manual	AK-SMK-02	2464568	29/07/2025

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

M. Amohite

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(Analyst)

C. Pipul

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SOURCE EMISSION MONITORING REPORT		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-077/2024-25
		Report Date	07/01/2025
		Inward No	AL/9-312/09/2024-25
		Sampling Date	30/12/2024
Sample Location	Incineration Boiler (Distillery)-22 T/hr-No-1	Sampling Time	03:20 PM
Sample Collected By	AARL	Time duration	30 Min

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	01.52	N.S.	--
6.	Stack area	m ²	01.81	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	° C	234.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.06	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.61	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	33060.83	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	38.90	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	56.98	N.S.	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	46.12	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	86.71	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-02	VAYU-097	09/06/2025	
Stack Monitoring Kit Manual		AK-SMK-01	2464567	29/07/2025	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Mamohite

Verified by
(Analyst)

Cipuf

Authorized Signatory

...End of test report...



AKANKSHA ANALYTICAL & RESEARCH LAB

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- ISO 9001:2015 Certified Organization
- ISO 45001:2018 Certified Organization

SOURCE EMISSION MONITORING REPORT			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-076/2024-25
		Report Date	07/01/2025
		Inward No	AL/9-312/08/2024-25
		Sampling Date	30/12/2024
Sample Location	New Boiler (80 T/hr)-1 No.	Sampling Time	02:45 PM
Sample Collected By	AARL	Time duration	30 Min

SR.NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	72.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	03.54	N.S.	--
6.	Stack area	m ²	09.83	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	157.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.12	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	07.99	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	196150.10	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	101.20	≤150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	1298.23	≤3120	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	209.74	N.S.	IS 11255 (PART 7) RA2022
14.	Carbon Monoxide	ppm	2496.29	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-02	VAYU-097	09/06/2025	
Stack Monitoring Kit Manual		AK-SMK-01	2464567	29/07/2025	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Mamohite

Verified by
(Analyst)

esipul

Authorized Signatory

...End of test report...



AKANKSHA ANALYTICAL & RESEARCH LAB

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- ISO 9001:2015 Certified Organization
- ISO 45001:2018 Certified Organization

SOURCE EMISSION MONITORING REPORT				Page 1 of 1
NAME OF COMPANY:-		Report No	AT/TR/85-075/2024-25	
M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	07/01/2025	
Dattatraynagar, Pargaon,		Inward No	AL/9-312/07/2024-25	
Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Sampling Date	30/12/2024	
Sample Location	Old Boiler (45 T/hr)-2 No.	Sampling Time	02:10 PM	
Sample Collected By	AARL	Time duration	30 Min	

SR. NO	DESCRIPTION	UNIT	RESULT	LIMITS	METHOD
A. Stack Details					
1.	Material of stack	--	RCC	N.S.	--
2.	Type of fuel	--	Bagasse	N.S.	--
3.	Stack Height from G.L.	m	60.00	N.S.	--
4.	Type of Stack	--	Round	N.S.	--
5.	Dimensions of Stack	m	04.00	N.S.	--
6.	Stack area	m ²	12.56	N.S.	--
B. Parameters					
7.	Flue Gas Temperature	°C	148.0	N.S.	IS 11255 (PART 3) RA 2013
8.	Differential Pressure	mmwg	04.96	N.S.	IS 11255 (PART 3) RA 2013
9.	Velocity	m/s	08.67	N.S.	IS 11255 (PART 3) RA 2013
10.	Gas volume	Nm ³ /hr.	277707.37	N.S.	IS 11255 (PART 3) RA 2013
11.	Particulate Matter	mg/Nm ³	86.50	≤ 150	IS 11255 (PART 1) RA 2019
12.	Sulphur Dioxide	kg/day	163.74	≤ 3920	IS 11255 (PART 2) RA 2019
13.	Oxide of Nitrogen	mg/Nm ³	162.41	N.S.	IS 11255 (PART 7) RA 2022
14.	Carbon Monoxide	ppm	2245.01	N.S.	IS:13270(Part-3):2008
Details of equipment used and its Calibration Certificate					
Name of Equipment		Lab ID No.	Calibration Certificate No.	Validity	
Flue Gas Analyzer		AK-VAYU-02	VAYU-097	09/06/2025	
Stack Monitoring Kit Manual		AK-SMK-01	2464567	29/07/2025	

REMARK, OPINION & INTERPRITATION-

- ❖ All above results are within limits as per MPCB Consent.
- ❖ BDL-Below Detectable Limit.
- ❖ N.S. - Not Specified

Mamohite

Verified by
(Analyst)

Cipm
Authorized Signatory

...End of test report...

कार्यकारी संचालक, भीमाशंकर सहकारी साखर कारखाना लि. दत्तात्रयनगर पारगांव तर्फे अवसरी बु., ता. आंबेगांव, जि. पुणे यांनी Corporate Environment Responsibility (CER) अंतर्गत करावयाच्या प्रस्तावित केलेल्या कामाबाबत मा. जिल्हाधिकारी पुणे यांचे अध्यक्षतेखाली दिनांक २४/०८/२०२३ रोजी झालेल्या बैठकीचा इतिवृत्तांत.

१. कार्यकारी संचालक, भीमाशंकर सहकारी साखर कारखाना लि. दत्तात्रयनगर पारगांव तर्फे अवसरी बु., ता. आंबेगांव, जि. पुणे यांनी Corporate Environment Responsibility (CER) अंतर्गत करावयाच्या प्रस्तावित केलेल्या कामाबाबतच्या प्रस्तावाचे अनुषंगाने मा. जिल्हाधिकारी पुणे यांचे अध्यक्षतेखाली दिनांक २४/०८/२०२३ रोजी बैठक आयोजित करणेत आली. सदर बैठकीस खालील अधिकारी उपस्थित होते:-

अ.क्र.	अधिकार्यांचे नांव व पदनाम	कार्यालयाचे नांव
१.	डॉ. राजेश देशमुख, मा. जिल्हाधिकारी	जिल्हाधिकारी कार्यालय पुणे
२	श्रीमती. एस.डी.दबडे, अधीक्षक	माध्यमिक शिक्षण विभाग पुणे विभाग पुणे
३	श्री. अजित कुन्हाडे, तहसिलदार महसूल	जिल्हाधिकारी कार्यालय पुणे
४	श्री. किशोर पांडुरंग तिजारे	भीमाशंकर सहकारी साखर कारखाना पारगांव तर्फे अवसरी बु.

२. सर्वप्रथम मा. जिल्हाधिकारी यांनी उपस्थितांचे स्वागत करून बैठकीस सुरुवात केली.

३. तद्नंतर श्री. किशोर पांडुरंग तिजारे यांनी CER अंतर्गत प्रस्तावित केलेल्या कामाबाबतच्या प्रस्तावाबाबत नमूद केले.

४. तसेच पर्यावरण, वन एवं जल वायु परिवर्तन मंत्रालय, नवी दिल्ली यांचे परिपत्रक दिनांक १/०५/२०१८ बाबत सविस्तर माहिती बैठकीत दिली. सदर परिपत्रकामध्ये स्थानिक गरजेनुसार नवीन कामे व अस्तित्वातील कामांमध्ये बदल करण्याचे अधिकार जिल्हाधिकारी यांना देण्यात आले असलेबाबत नमूद केले.

५. सदर प्रस्तावित कामाबाबत बैठकीमध्ये सविस्तर चर्चा करणेत येवून त्यानुसार खालील प्रमाणे कामांस मंजूरी देणेत आली :-

अ.क्र.	कामाचे नांव	गावाचे नांव	करावयाच्या कामाचा तपशिल	कामासाठी अंदाजित रक्कम (करविरहीत)
१	न्यू इंग्लिश स्कूलकरीता शौचालय युनिट बांधणे	लाखनगांव	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन) व मुलांसाठी १ टॉयलेस ब्लॉक (२ टॉयलेट व युरीनल-३, वॉशबेसिन-१)	८,६१,००८/-
२	संगमेश्वर माध्य. व उच्च माध्य. विद्यालयासाठी शौचालय युनिट बांधणे	पारगांव	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन) व मुलांसाठी १ टॉयलेस ब्लॉक (२ टॉयलेट व युरीनल-३, वॉशबेसिन-१)	८,६१,००८/-
३.	भैरवनाथ माध्य. व उच्च माध्य. विद्यालयासाठी शौचालय युनिट बांधणे	लोणी	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन) व मुलांसाठी १ टॉयलेस ब्लॉक (२ टॉयलेट व युरीनल-३, वॉशबेसिन-१)	८,६१,००८/-

४.	जिल्हा परिषद प्राथमिक शाळा काठापूर बु.	काठापूर बु.	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन)	५,००,०००/-
५.	जिल्हा परिषद प्राथमिक शाळा शिंगवे	शिंगवे	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन) व मुलांसाठी १ टॉयलेट ब्लॉक (२ टॉयलेट व युरीनल-३, वॉशबेसिन-१)	८,६१,००८/-
६.	मामासाहेब मोहोळ माध्य. विद्यालयासाठी शौचालय युनिट बांधणे	पोंदेवाडी	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन) व मुलांसाठी १ टॉयलेट ब्लॉक (२ टॉयलेट व युरीनल-३, वॉशबेसिन-१)	८,६१,००८/-
७.	नरसिंह विद्यालय रांजणी भाग शाळा वळती येथे शौचालय युनिट बांधणे	वळती	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन) व मुलांसाठी १ टॉयलेट ब्लॉक (२ टॉयलेट व युरीनल-३, वॉशबेसिन-१)	८,६१,००८/-
८.	विद्या विकास मंदीर माध्य. विद्यालयासाठी शौचालय युनिट बांधणे	अवसरी बु.	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन) व मुलांसाठी १ टॉयलेट ब्लॉक (२ टॉयलेट व युरीनल-३, वॉशबेसिन-१)	८,६१,००८/-
९.	काळभैरवनाथ माध्य. विद्यालयासाठी (सौ. लक्ष्मीबाई बाबुराव बांगर) शौचालय युनिट बांधणे	खडकी	मुलींसाठी १ टॉयलेट ब्लॉक (३ टॉयलेट व चेंजिंग रुम-१, वॉशबेसिन) व मुलांसाठी १ टॉयलेट ब्लॉक (२ टॉयलेट व युरीनल-३, वॉशबेसिन-१)	८,६१,००८/-
१०.	पंडीत जवाहरलाल नेहरू माध्य. व द.गो.वळसे पाटील उच्च माध्यमिक विद्यालयासाठी शौचालय युनिट बांधणे	निरगुडसर	इमारतीचे पत्रे बदलणे, कलरिंग करणे, फरशी बसविणे इ. सुधारणा करणे.	१०,००,०००/-
११.	जिल्हा परिषद शाळा	नागापूर	वृक्षारोपन करणे	१०,००,०००/-
			एकुण -	९३,८८,०६४/-

६. वरीलप्रमाणे Corporate Environment Responsibility (CER) अंतर्गत करावयाच्या प्रस्तावित केलेल्या कामास सदरचा निधी खर्च करणेस बैठकीमध्ये मान्यता देणेत आलेली आहे.

८. तसेच वरील प्रस्तावित कामांचे संनियंत्रण व अगिलेख हे मुख्य कार्यकारी अधिकारी, जिल्हा परिषद पुणे व उपसंचालक, माध्यमिक शिक्षण विभाग पुणे यांनी ठेवावयाचे असून त्याबाबतचा अहवाल यथावकाश जिल्हाधिकारी पुणे यांचेकडे सादर करावयाचा आहे.

वरीलप्रमाणे सदर बैठकीत चर्चा होऊन तदनंतर जिल्हाधिकारी यांनी उपस्थितांचे आभार मानून बैठक संपल्याचे जाहीर केले.

दिनांक :- २४/०८/२०२३

ठिकाण :- पुणे

सही/-X-X-X

(डॉ. राजेश देशमुख)

जिल्हाधिकारी पुणे

जिल्हाधिकारी कार्यालय पुणे

(महसूल शाखा)

जा.क्र. पमन/CER/एसआर/०२/२०२३

दिनांक : ०९/०९/२०२३

प्रत: १. मुख्य कार्यकारी अधिकारी, जिल्हा परिषद पुणे

२. उपसंचालक, माध्यमिक शिक्षण विभाग, पुणे विभाग पुणे

३. कार्यकारी संचालक, भीमाशंकर सहकारी साखर कारखाना लि. दत्तात्रयनगर, पारगांव तर्फे अवसरी बु., ता. आंबेगांव, जि. पुणे

स्थळप्रतीवर मा. जिल्हाधिकारी सो.

यांची स्वाक्षरी असे.



(ज्योती कदम)

निवासी उपजिल्हाधिकारी

जिल्हाधिकारी कार्यालय पुणे

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Phone No. 9975568130/8888846990 E-mail: bshs@rediffmail.com, Website: www.bhimashankarskh.com

Tender Notice for Civil Works

Sealed percentage rate tenders in B-1 form are invited for the following works from reputed & experienced Contractors registered with Government Department in appropriate class and having similar type of work experience on or before 12/07/2024 upto 4.00 pm. The Terms & Conditions are as follows:

Sr. No.	Name of Work	Estimated Cost Rs.	EMD Rs.
1	Repairing work for Garbage office	236,771/-	2,370/-
2	Construction of Nava Sheel For College At Karkhana	108,790/-	2,090/-
3	Providing & fixing G.I. sheet at Garbage yard compound	313,516/-	3,135/-
4	Construction of electric tank and Plumbing, sanitary work at E-type Colony	127,090/-	3,270/-
5	Construction of Toilet Block unit for Z.P. School at Karhapur BK	5,00,000/-	5,000/-
6	Construction of new minor Road and Ramp for 80 Wagon Luggage	6,81,942/-	6,820/-
7	Construction of R.C.C. Maxomay Chamber for Drainage Line Near English Medium School At Karkhana	6,54,540/-	6,545/-
8	Construction of Toilet Block unit for New English School at Lekhanagaon	8,61,008/-	8,610/-
9	Construction of Toilet Block unit for Sagemeshwar Secondary and Higher Secondary School at Bargaon Shivec	8,61,008/-	8,610/-
10	Construction of Toilet Block unit for Bharwanth Secondary and Higher Secondary School at Lam	8,61,008/-	8,610/-
11	Construction of Toilet Block unit for Z.P. School at Shingye	8,61,008/-	8,610/-
12	Construction of Toilet Block unit for Manasahen Mihol Vidhyalya at Pondewadi	8,61,008/-	8,610/-
13	Construction of Toilet Block unit for Marsha Vidhyalya at Wahan	8,61,008/-	8,610/-
14	Construction of Toilet Block unit for Vidya Vilas Mandir at Awasari BK	8,61,008/-	8,610/-
15	Construction of Toilet Block unit for K. Bhairavsinh Vidhyalya at Kadaka	8,61,008/-	8,610/-
16	Repairing work of school Building at P.J.N.V. Vidhyalya and P.G. Walke Path Higher Secondary school at Nargol	10,00,000/-	10,000/-
17	Construction of R.C.C. Guard Wall to Santosh Asware House At Site	5,64,946/-	5,550/-

Terms & Conditions - (1) Details of the work to be carried out along with the blank tender forms will be available during working hours from 03/07/2024 to 16/07/2024 upto 4.00 PM on payment of tender Cost - Rs. 500/- for each work + GST 18 % extra in cash RTGS from Karkhana office (including Holiday) Thursday is our holiday (2) Time limit is 30 Days (3) Class of registration should be Sr No. 1 to 24, Sr No. 25 to 5, VIII and Sr No. 6 to 18, VII & above (4) The Tenders will be accepted in Two envelopes enclosed in third sealed envelope at Karkhana Office (5) The contractor should apply in writing giving details of his registration, past experience & Income Tax Clearance Certificate (6) Conditional tenders will not be accepted in any case (7) Karkhana reserves the right to reject any or all tenders without assuming any reason (8) Sealed tenders opening date will be communicated separately

Managing Director

Vice Chairman

Chairman



(REGD. NO.:P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

Dattatraynagar, Pargaon Via Awasarl (Bk.) Tal : Ambegaon, Dist : Pune. 412 406

Tel.fax : (02133) 284241, 284270, 9975568130, 8888846990 Email : bsskltd@gmail.com, Website : www.bhimashankarssk.com, www.bsskl.sets.co.in

जा.क्र.:- भीमाशंकर / सिव्हील / १४८४ / २०२४-२५

दि.१९/०७/२०२४

वर्कऑर्डर

प्रति,

श्री प्रमोद भगवान वाघ,
मु.पहाडदरा, पो. धामणी
ता.आंबेगाव, जि.पुणे

विषय :- मौजे काठापूर बु. येथील जि. प. प्राथमिक शाळेसाठी शौचालय युनिटचे बांधकाम करणेच्या कामाबाबत..

महोदय,

वरील विषयास अनुसरून, कारखान्यामार्फत मौजे काठापूर बु. येथील जि. प. प्राथमिक शाळेसाठी शौचालय युनिटचे बांधकाम करणेच्या कामासाठी आपण सादर केलेली निविदा व त्यावर मा. कार्यकारी समिती सभा दि.२२/०७/२०२४ मध्ये आपणाशी समक्ष झालेल्या चर्चेनुसार सदर काम आपणास एस्टिमेट रक्कम रु. ५,००,०००/- पेक्षा ११.५०% कमी दराने मंजूर करण्यात आले आहे

कामाच्या अटी व शर्ती खालीलप्रमाणे राहतील

१) कामाची मुदत १ महिना राहिल.

२) कामासाठी लागणारे सर्व साहित्य व मजूर आपण स्वतः आणावयाचे आहेत.

३) काम चालू असताना कारखाना मालमत्तेचे नुकसान झाल्यास त्याची भरपाई आपणाकडून करण्यात येईल. मजुरांचा अपघात झाल्यास त्याची सर्वस्वी जबाबदारी आपली राहिल कारखान्याची कोणतीही जबाबदारी राहणार नाही.

४) कामाच्या बिलाच्या एकूण ५% रक्कम रेग्युलर सिक्युरिटी डिपॉझिट म्हणून कपात करण्यात येईल. सदर सिक्युरिटी डिपॉझिट रक्कम १२ महिन्यांचा डिफेक्ट लायबिलिटी पिरियड संपल्यानंतर अदा केली जाईल.

५) सदर निविदा एस्टिमेट रक्कमेच्या उणे १०% पेक्षा जास्त (उणे ११.५०%) असल्याने १०% कमी दरापर्यंत १% व १५% कमी दरापर्यंत १५.००% -१०% =५.००% नुसार ११.५०% -१०% =१.५०% असे एकूण १+१.५०= २.५०% अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझिट रु. १२,५००/- रक्कमेचा भरणा करावा. अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझिट रक्कम भरणा केल्यानंतरच काम सुरु करण्यास परवानगी देण्यात येईल. सदरची रक्कम काम पूर्ण झाल्यानंतर कामाच्या अंतिम बिलासोबत अदा करण्यात येईल.

६) केंद्र व राज्य शासनाच्या कर विषयक धोरणानुसार वरील कामास लागू असलेला जी.एस.टी.

आपणास स्वतंत्र अदा केला जाईल याकरीता जी.एस.टी.साठी विहित नमुन्यात बिल सादर करावे लागेल व जी.एस.टी.चा भरणा करून भरणा रिसीट कारखान्याकडे जमा करावी.

Bhush
30/10



(REGD. NO.:P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

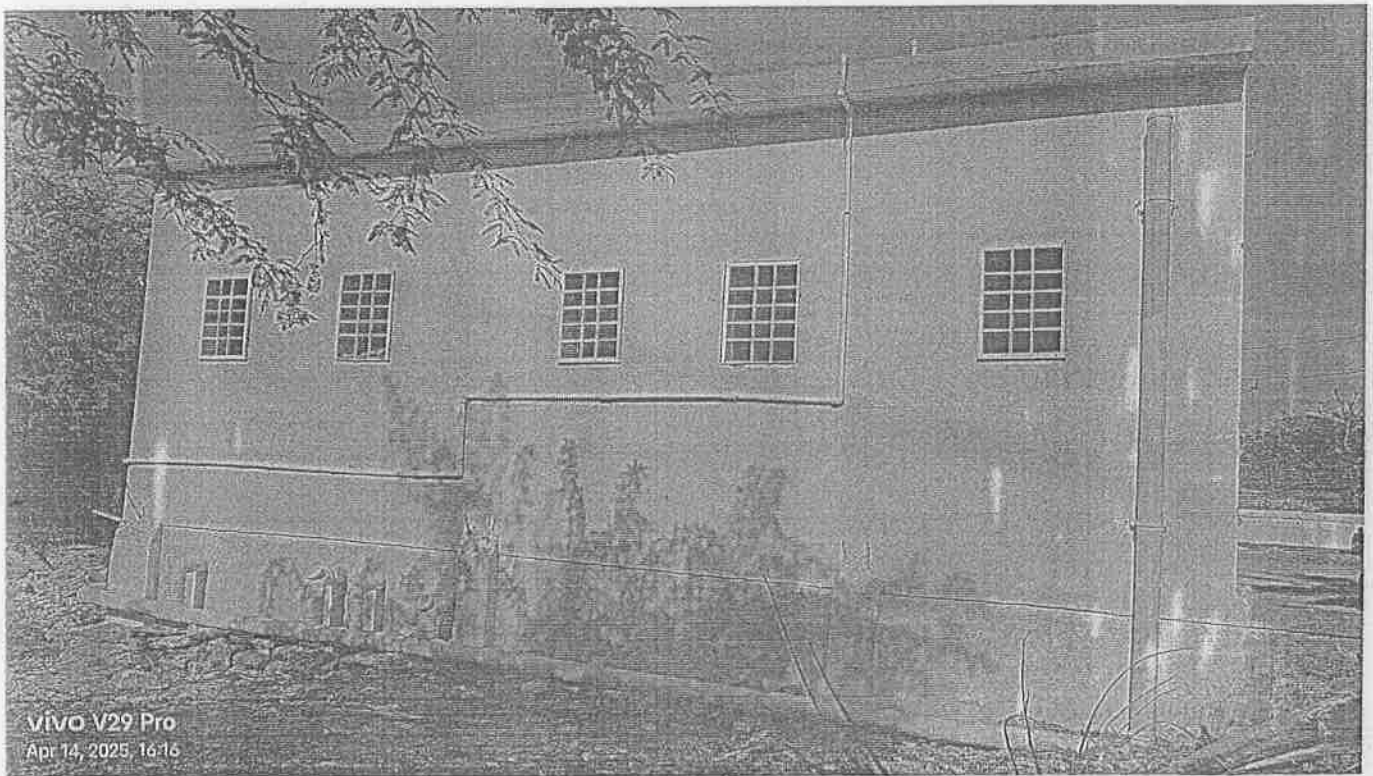
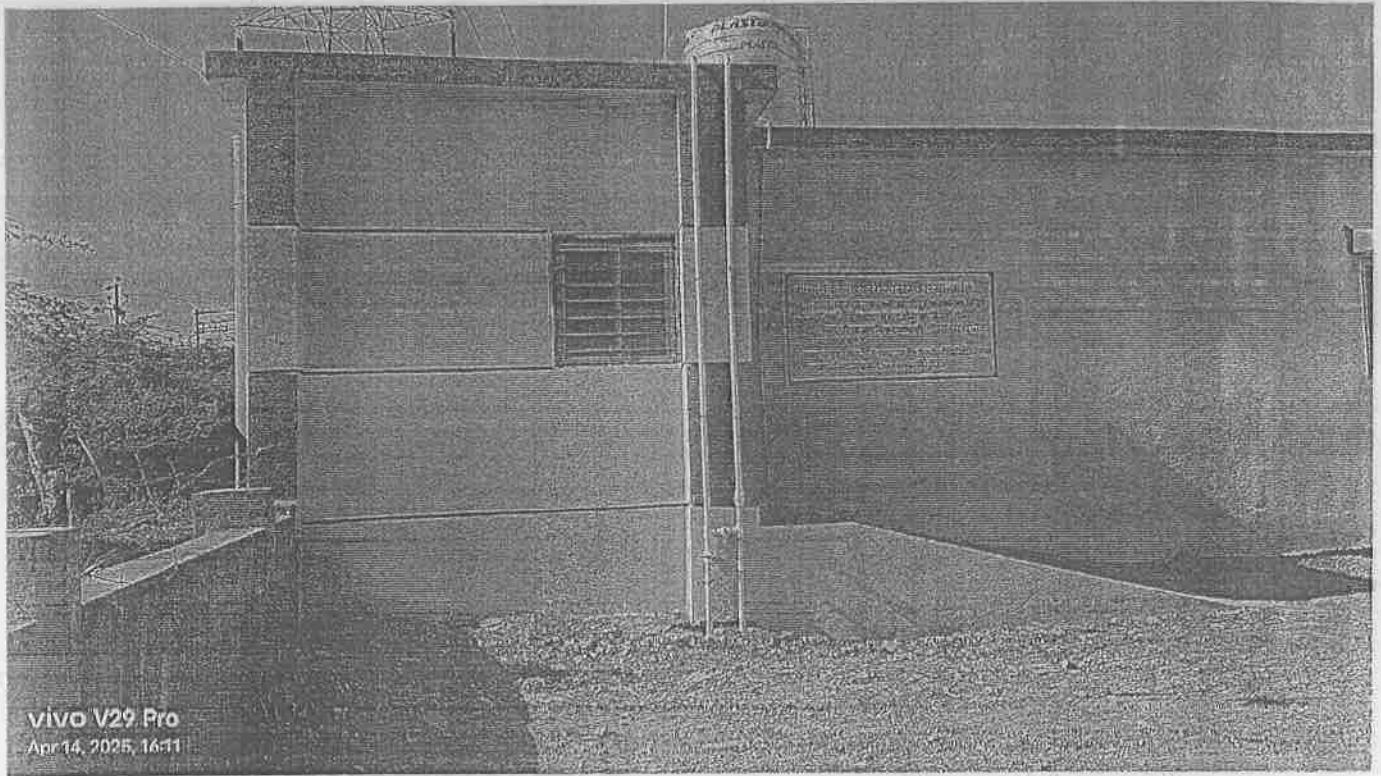
Dattatraynagar, Pargaon Via Awasari (Bk.) Tal : Ambegaon, Dist : Pune. 412 406

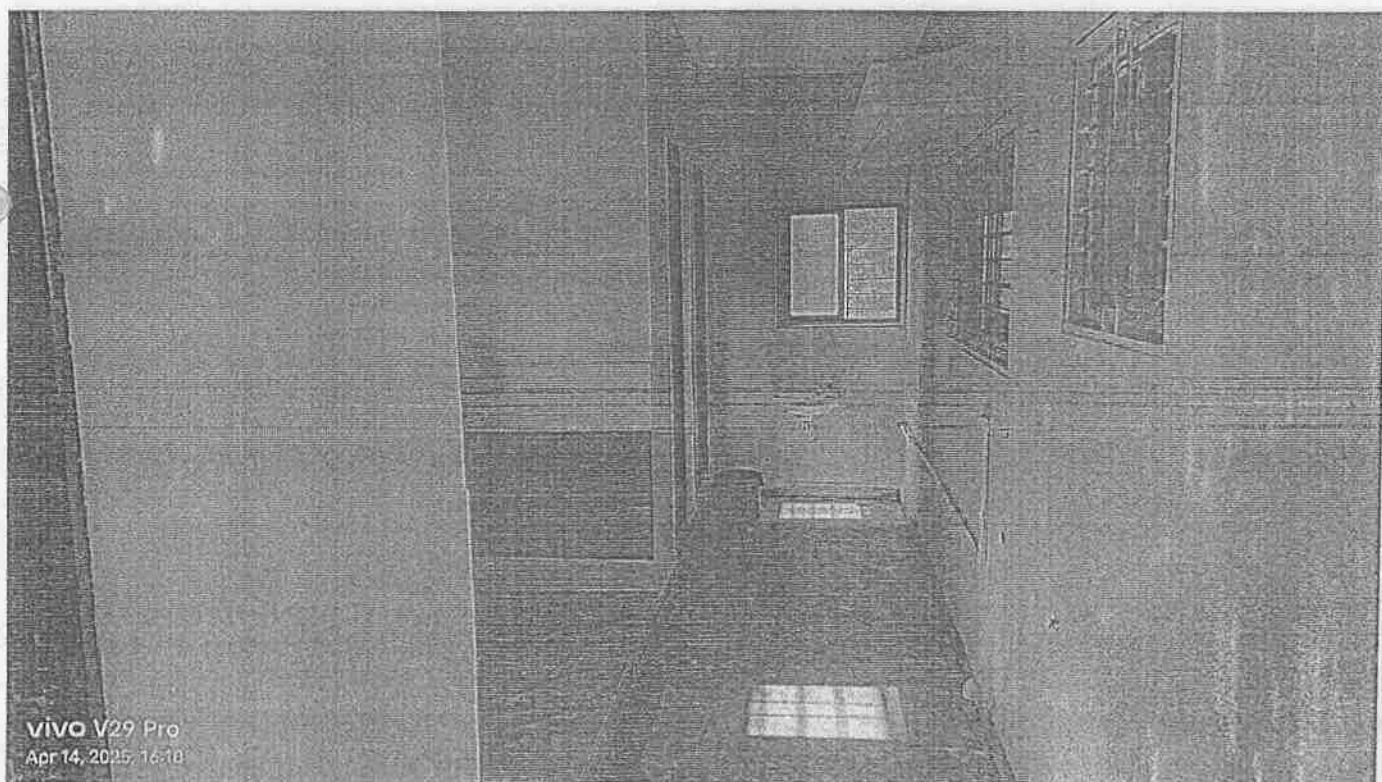
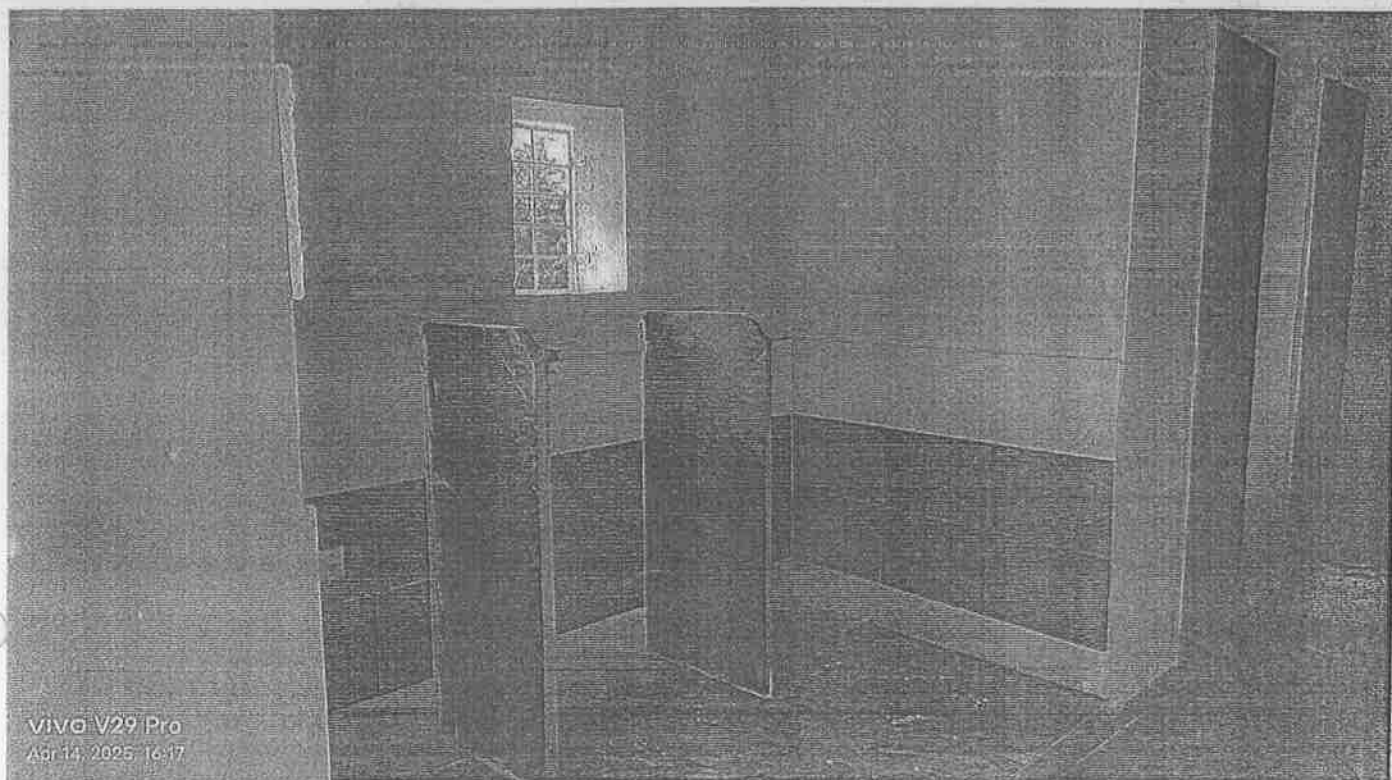
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- ७) कामासाठी लागणारे आवश्यक मटेरियल कारखाना स्टोअर्समध्ये उपलब्ध असल्यास कारखाना दराने देण्यात येईल व त्याची वसुली बिलातून करण्यात येईल.
 - ८) कामाचे कालावधीत आपण लेखी स्वरूपात मागणी केल्यास कामाच्या आवश्यकतेनुसार डिझेल पंपावरून कारखान्याने ठरविलेल्या दराप्रमाणे उधारीने डिझेल देण्यात येईल व डिझेलची होणारी रक्कम बिलातून वसूल केली जाईल.
 - ९) कामासाठी लागणारे पाणी व लाईटची व्यवस्था आपण स्वतः करावयाची आहे.
 - १०) आपलेकडे काम करणाऱ्या सर्व कामगारांच्या सुरक्षिततेच्या दृष्टीने आवश्यक असणारी साधने उदा. सेफ्टी बेल्ट, हेल्मेट, हँड ग्लोज इ. वापरणे आपणास बंधनकारक आहे.
 - ११) आपलेकडे काम करणाऱ्या सर्व मजुरांचा एम्प्लॉयमेंट कॉम्पेन्सेशन ॲक्टनुसार विमा घ्यावा लागेल व विमाकागदपत्रे सादर केल्यानंतरच काम सुरु करणेस परवानगी दिली जाईल.
 - १२) करारनामा करणेसाठी रु.५००/- चा स्टॅप पेपर त्वरीत सादर करावा.
- तरी आपण सिव्हील विभागाशी संपर्क साधून त्वरीत कामास सुरुवात करावी.

प्रत:- अकौंट / सिव्हील / मास्टर

प्र. कार्यकारी संचालक





Bhimashankar Sahakari Sakhar Karkhana Ltd

Dattatrayanagar, Pargann, Via Awasuri Bk, Tal-Ambegaon, Dist-Pune

Name of Work : Construction of Toilet Block for ZP School At- Kathapur Bk Tal-Ambegaon Dist-Pune

Name of Contractor : PRAMOD BHAGWAN WAGH AT-PAHADDARA

ABSTRACT SHEET

ESTIMATED COST-500000.00

RA BILL NO: 1st and Final RA BILL

Item No.	Tender Qty	Description	Quantity			Rate	Unit	Previous Bill Amt	This Bill Amount	Up to Date Amount
			Previous Bill Qty	This Bill Qty	Up to Date Qty					
1	8.608	ITEM NO. : 1 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m, beyond	0.00	9.43	9.43	207.00	Cum	0.00	1952.01	1952.01
2	4.493	ITEM NO. : 2 Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and	0.00	4.34	4.34	227.00	Cum	0.00	985.18	985.18
3	1.380	ITEM NO. : 3 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of Irap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out	0.00	2.49	2.49	6029.35	Cum	0.00	15013.08	15013.08
4	8.366	ITEM NO. : 4 Providing uncoursed rubble masonry of Irap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in	0.00	9.73	9.73	5410.55	Cum	0.00	52644.65	52644.65
5	1.992	ITEM NO. : 5 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external	0.00	1.86	1.86	8084.80	Cum	0.00	15037.73	15037.73
6	12.431	ITEM NO. : 6 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints,	0.00	11.97	11.97	8323.80	Cum	0.00	99635.89	99635.89
7	4.493	ITEM NO. : 7 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. (INo21-35)	0.00	2.17	2.17	120.00	Cum	0.00	260.40	260.40
8	3.481	ITEM NO. : 8 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering and	0.00	14.42	14.42	599.00	Cum	0.00	8637.58	8637.58
9	0.768	ITEM NO. : 9 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of Irap / granite/ quartzite/ gneiss metal for R.C.C.	0.00	1.75	1.75	12461.50	Cum	0.00	21807.63	21807.63
10	1.915	ITEM NO. : 10 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of Irap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed	0.00	3.63	3.63	14135.50	Cum	0.00	51311.87	51311.87
11	0.233	ITEM NO. : 11 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps,	0.00	0.31	0.31	89823.00	MT	0.00	28202.35	28202.35
12	6.060	ITEM NO. : 12 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or	0.00	85.28	85.28	281.85	SQMT	0.00	24036.17	24036.17
13	56.998	ITEM NO. : 13 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including	0.00	47.56	47.56	647.50	SQMT	0.00	30795.10	30795.10
14	33.902	ITEM NO. : 14 Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete. (INo32-	0.00	51.56	51.56	65.00	SQMT	0.00	3351.40	3351.40
15	9.990	ITEM NO. : 15 Providing and fixing Black granite of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6	0.00	9.42	9.42	2367.00	SQMT	0.00	22297.14	22297.14
16	0.038	ITEM NO. : 16 Providing and fixing frame with / without ventilator of size as specified with Country non teak wood for doors and	0.00	0.00	0.00	107112.00	Cum	0.00	0.00	0.00
17	1.890	ITEM NO. : 17 Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial	0.00	0.00	0.00	2913.00	SQMT	0.00	0.00	0.00
18	6.300	ITEM NO. : 18 Providing and fixing Solid fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000)	0.00	3.15	3.15	3495.00	SQMT	0.00	11009.25	11009.25
19	1.350	ITEM NO. : 19 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with	0.00	2.97	2.97	3467.00	SQMT	0.00	10296.99	10296.99
20	33.902	ITEM NO. : 20 Providing and applying plastic emulsion paint of approved quality, colour and shade to old & new surfaces in two	0.00	51.56	51.56	80.00	SQMT	0.00	4124.80	4124.80
21	56.998	ITEM NO. : 21 Providing and applying two coats of exterior acrylic emulsion paint confirming to corresponding I.S. of approved	0.00	47.56	47.56	261.00	SQMT	0.00	12413.16	12413.16
22	0.000	ITEM NO. : 22 Providing and applying texture plaster with finishing with Purina / Rustic texture material (with texture material	0.00	0.00	0.00	628.00	SQMT	0.00	0.00	0.00

23	10.896	ITEM NO. : 23 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-	0.00	16.43	18.43	1295.45	SQMT	0.00	22216.44	22216.44
24	41.286	ITEM NO. : 24 Providing and laying ceramic tiles having size 30 cm X 30 cm, For dado and skirting in required position with	0.00	27.04	27.04	1260.35	SQMT	0.00	34079.86	34079.86
25	0.000	ITEM NO. : 25 Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black / Armba White / Cat bary	0.00	0.00	0.00	4010.00	SQMT	0.00	0.00	0.00
26	1.000	ITEM NO. : 26 Providing and fixing C.P. BIR cock with wall flange of approved make including necessary sockets/ union nut etc.	0.00	1.00	1.00	1193.00	Nos	0.00	1193.00	1193.00
27	4.000	ITEM NO. : 27 Providing and fixing 15 mm dia. Screw down bib/ stop tap of brass including necessary socket union nut	0.00	5.00	5.00	671.00	Nos	0.00	3355.00	3355.00
28	3.000	ITEM NO. : 28 Providing and fixing Orissa type white glazed earthenware 575 mm water closet pan including S trap with	0.00	2.00	2.00	4007.00	Nos	0.00	8014.00	8014.00
29	3.000	ITEM NO. : 29 Providing and Fixing half turn 25 mm dia gun metal flushing cock including all accessories etc.	0.00	0.00	0.00	953.00	Nos	0.00	0.00	0.00
30	8.400	ITEM NO. : 30 Providing and fixing 75 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting	0.00	0.00	0.00	607.00	RMT	0.00	0.00	0.00
31	4.611	ITEM NO. : 31 Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting	0.00	10.68	10.68	788.00	RMT	0.00	8415.84	8415.84
32	500.000	ITEM NO. : 32 Providing and fixing H.D.P container Synlex or alike one piece moulded water tank made out of low density polythylene	0.00	500.00	500.00	11.00	LIT	0.00	5500.00	5500.00
33	15.000	ITEM NO. : 33 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the	0.00	15.00	15.00	266.00	RMT	0.00	3990.00	3990.00
34	10.000	ITEM NO. : 34 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the	0.00	10.00	10.00	375.00	RMT	0.00	3750.00	3750.00
35	1.000	ITEM NO. : 35 providing and fixing oval type under counter wash hand basin of 16 inch x 22 inch size and of special colour shade	0.00	1.00	1.00	8799.00	Nos	0.00	8799.00	8799.00
36	1.000	ITEM NO. : 36 Providing and fixing hume pipe septic tank 900mm diameter with vent pipe and cap including necessary (including	0.00	1.00	1.00	16726.00	Nos	0.00	16726.00	16726.00
						Total Amount		0.00	529851.52	529851.52
						Limited to say Total Amount		0.00	500000.00	500000.00
						As Per Agreement (- 11.50%)		0.00	57500.00	57500.00
						Total Amount		0.00	442500.00	442500.00
						Add 18% GST		0.00	79650.00	79650.00
						Total Amount		0.00	522150.00	522150.00
						By Rounding Amount		0.00	522150.00	522150.00

B. Singh
CONTRACTOR

CIVIL ENGINEER



(REGD. NO.:P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

Dattatraynagar, Pargaon Via Awasari (Bk.) Tal : Ambegaon, Dist : Pune. 412 406

Tel.fax : (02133) 284241, 284270, 9975568130, 8888846990 Email : bsskltd@gmail.com, Website : www.bhimashankarssk.com, www.bsskl.sets.co.in

जा.क्र.: भीमाशंकर / सिव्हील / १५०६ / २०२४-२५

दि. २९/०७/२०२४

वर्कऑर्डर

प्रति,

मे.गुरुदया एंटरप्रायजेस

मु.पो.खडकवाडी

ता.आंबेगाव, जि.पुणे

विषय :- मौजे पोंदेवाडी येथील मामासाहेब मोहोळ माध्यमिक विद्यालयासाठी शौचालय युनिटचे बांधकाम करणेच्या कामाबाबत..

महोदय,

वरील विषयास अनुसरून, कारखान्यामार्फत मौजे पोंदेवाडी येथील मामासाहेब मोहोळ माध्यमिक विद्यालयासाठी शौचालय युनिट बांधकाम करणेच्या कामासाठी आपण सादर केलेली निविदा व त्यावर मा. कार्यकारी समिती सभा दि.२२/०७/२०२४ मध्ये आपणाशी समक्ष झालेल्या चर्चेनुसार सदर काम आपणास एस्टिमेट रक्कम रु. ८,६१,००८/- पेक्षा १८.१०% कमी दराने मंजूर करण्यात आले आहे

कामाच्या अटी व शर्ती खालीलप्रमाणे राहतील

- १) कामाची मुदत १ महिना राहिल.
- २) कामासाठी लागणारे सर्व साहित्य व मजूर आपण स्वतः आणावयाचे आहेत.
- ३) काम चालू असताना कारखाना मालमत्तेचे नुकसान झाल्यास त्याची भरपाई आपणाकडून करण्यात येईल. मजुरांचा अपघात झाल्यास त्याची सर्वस्वी जबाबदारी आपली राहिल कारखान्याची कोणतीही जबाबदारी राहणार नाही.
- ४) कामाच्या बिलाच्या एकूण ५% रक्कम रेग्युलर सिक्युरिटी डिपॉझिट म्हणून कपात करण्यात येईल. सदर सिक्युरिटी डिपॉझिट रक्कम १२ महिन्यांचा डिफेक्ट लायबिलिटी पिरियड संपल्यानंतर अदा केली जाईल.
- ५) सदर निविदा एस्टिमेट रक्कमेच्या उणे १०% पेक्षा जास्त (उणे १८.१०%) असल्याने १०% कमी दरापर्यंत १% व १५% कमी दरापर्यंत १५.००% -१०% = ५.००% तसेच (१८.१०%-१५%) = ३.१०% करिता (३.१० x २) = ६.२०% असे एकूण १+५+६.२० = १२.२०% अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझिट रु. १,०५,०४३/- रक्कमेचा भरणा करावा. अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझिट रक्कम भरणा केल्यानंतरच काम सुरु करण्यास परवानगी देण्यात येईल. सदरची रक्कम काम पूर्ण झाल्यानंतर कामाच्या अंतिम बिलासोबत अदा करण्यात येईल.
- ६) केंद्र व राज्य शासनाच्या कर विषयक धोरणानुसार वरील कामास लागू असलेला जी.एस.टी. आपणास स्वतंत्र अदा केला जाईल याकरीता जी.एस.टी.साठी विहित नमुन्यात बिल सादर करावे लागेल व जी.एस.टी.चा भरणा करून भरणा रिसीट कारखान्याकडे जमा करावी.



(REGD. NO.:P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

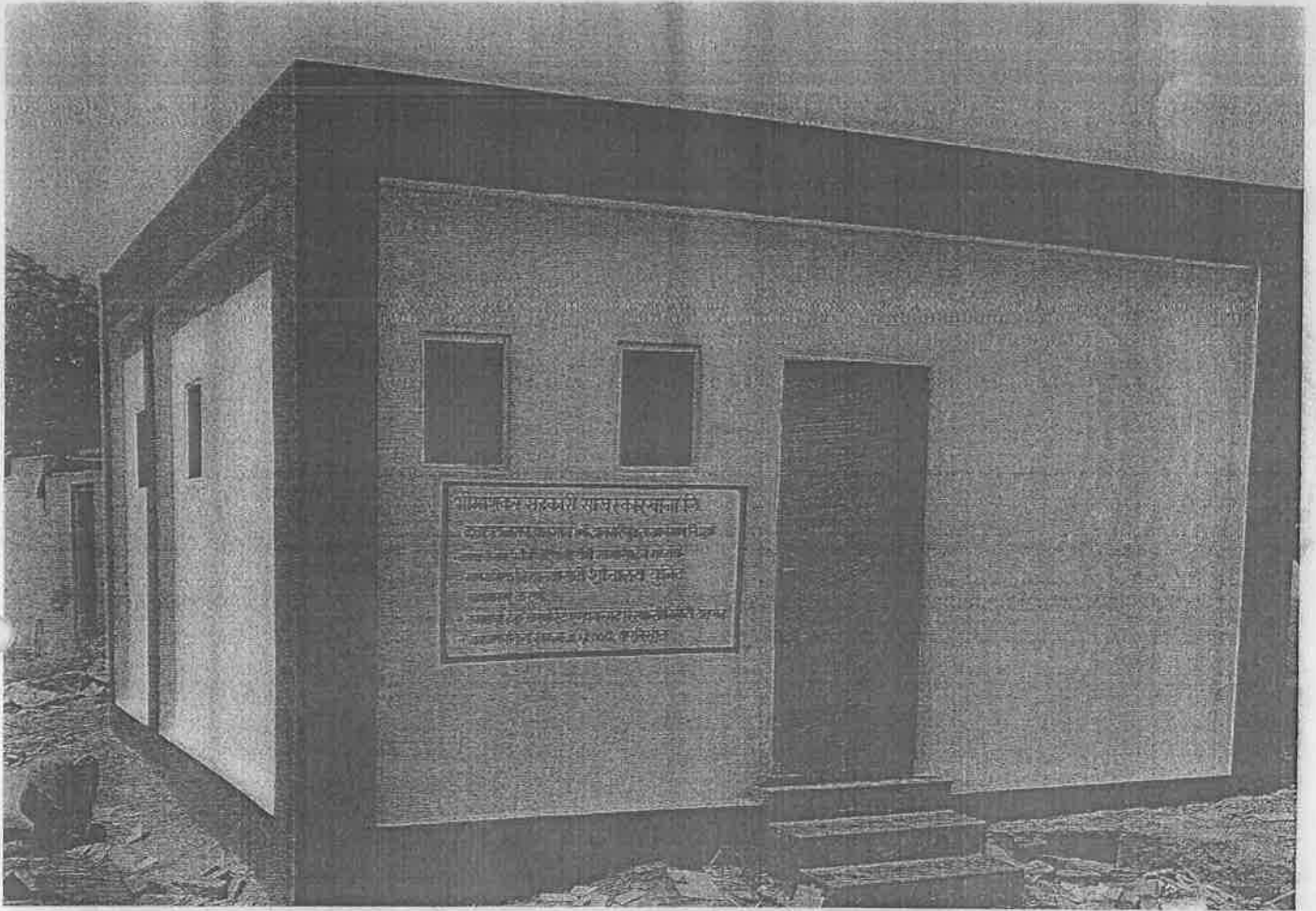
Dattatraynagar, Pargaon Via Awasari (Bk.) Tal : Ambegaon, Dist : Pune. 412 406

Tel.fax : (02133) 284241, 284270, 9975568130, 8888846990 Email : bsskltd@gmail.com, Website : www.bhlmashankarssk.com, www.bsskl.sets.co.in

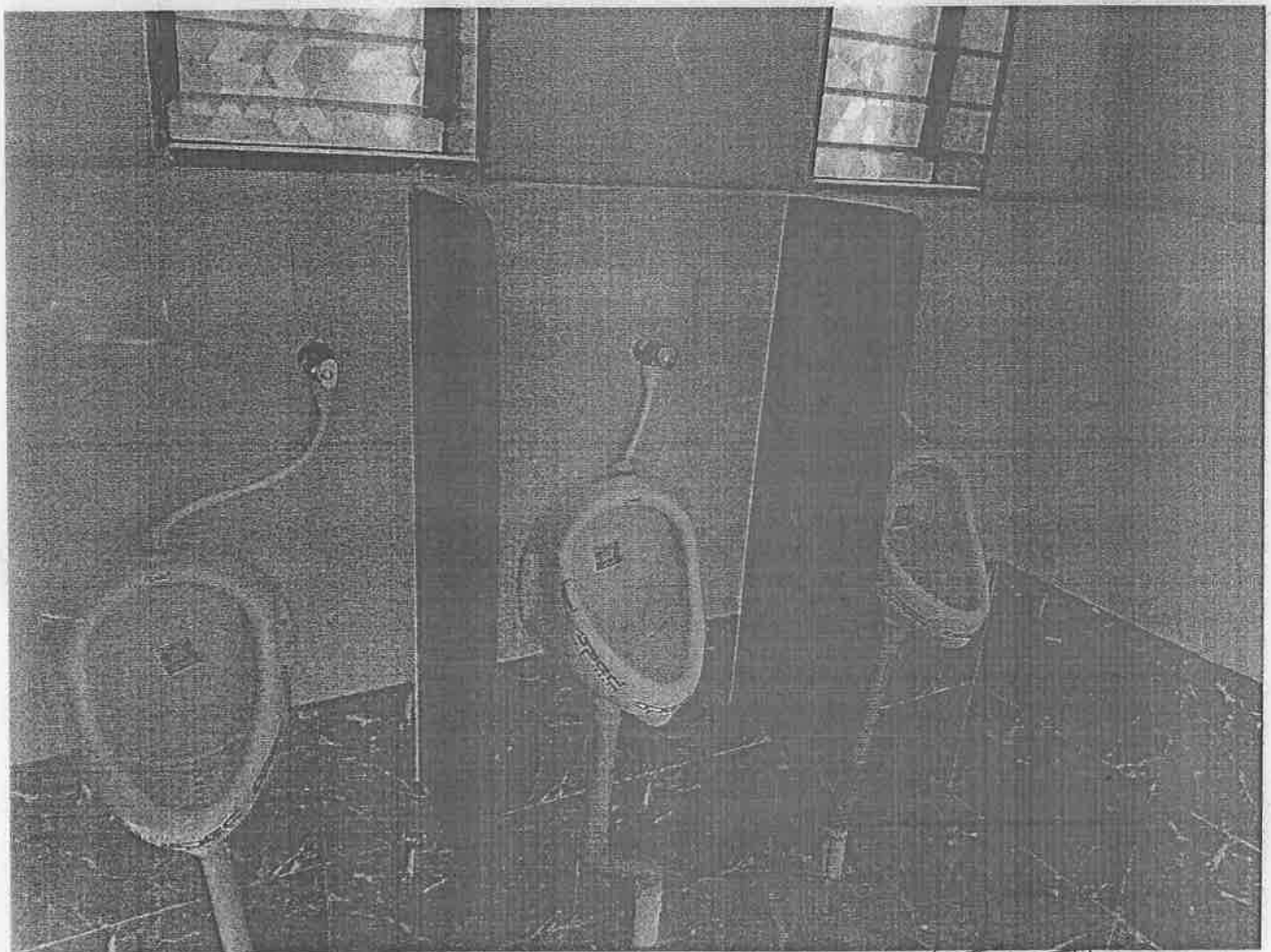
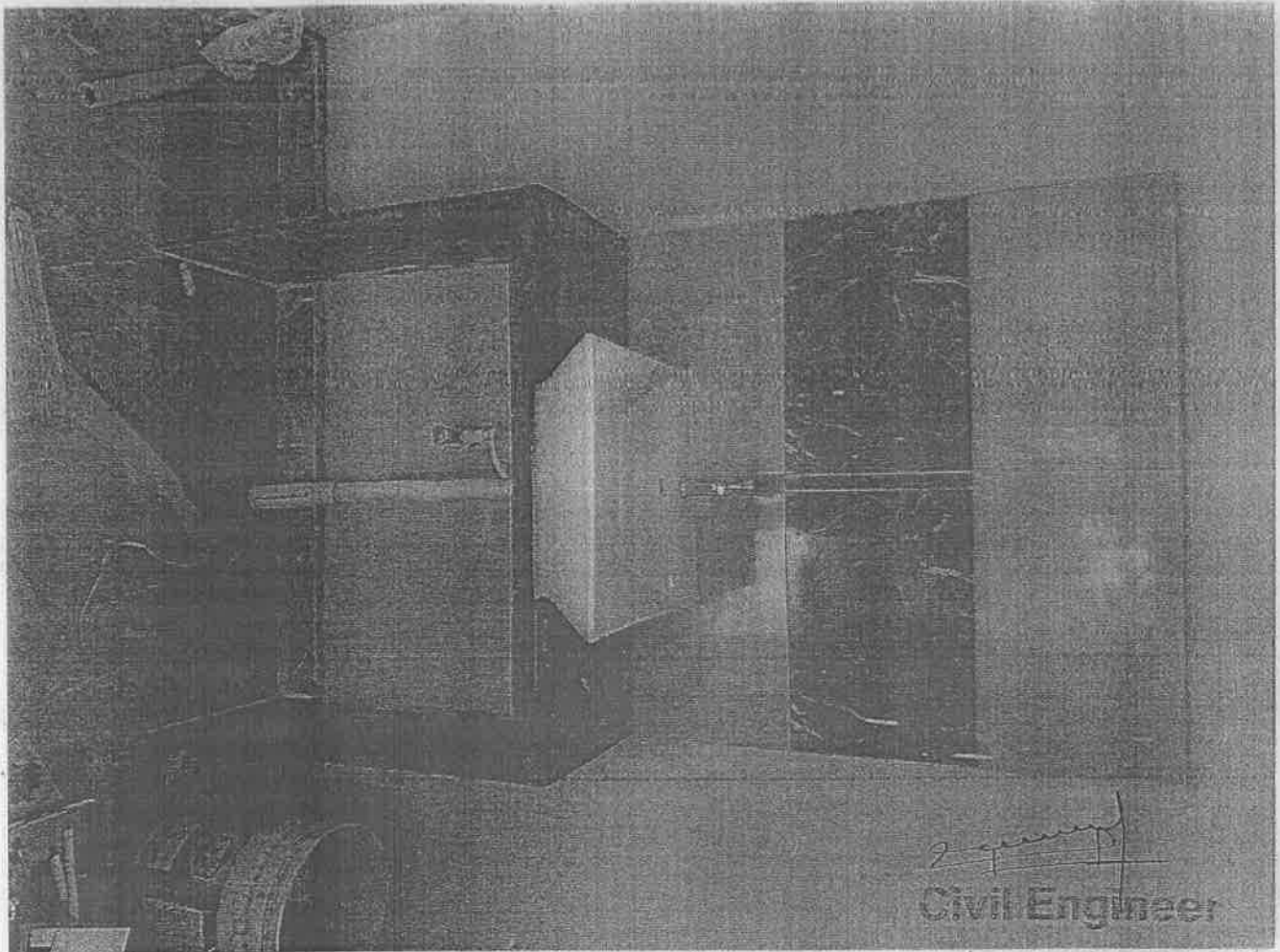
- ७) कामासाठी लागणारे आवश्यक गटोरियल कारखाना रटोअर्समध्ये उपलब्ध असल्यास कारखाना दराने देण्यात येईल व त्याची वसुली बिलातून करण्यात येईल.
 - ८) कामाचे कालावधीत आपण लेखी स्वरूपात मागणी केल्यास कामाच्या आवश्यकतेनुसार डिझेल पंपावरून कारखान्याने ठरविलेल्या दराप्रमाणे उधारीने डिझेल देण्यात येईल व डिझेलची होणारी रक्कम बिलातून वसूल केली जाईल.
 - ९) कामासाठी लागणारे पाणी व लाईटची व्यवस्था आपण स्वतः करावयाची आहे.
 - १०) आपलेकडे काम करणाऱ्या सर्व कामगारांच्या सुरक्षिततेच्या दृष्टीने आवश्यक असणारी साधने उदा. सेफ्टी बेल्ट, हेल्मेट, हँड ग्लोज इ. वापरणे आपणास बंधनकारक आहे.
 - ११) आपलेकडे काम करणाऱ्या सर्व मजुरांचा एम्प्लॉयमेंट कॉम्पेन्सेशन ॲक्टनुसार विमा घ्यावा लागेल व विमाकागदपत्रे सादर केल्यानंतरच काम सुरु करणेस परवानगी दिली जाईल.
 - १२) करारनामा करणेसाठी रु.५००/- चा स्टॅंप पेपर त्वरीत सादर करावा.
- तरी आपण सिव्हील विभागाशी संपर्क साधून त्वरीत कामास सुरुवात करावी.

प्र. कार्यकारी संचालक

प्रत:- अकौंट / सिव्हील / मास्टर




Civil Engineer



Bhimashankar Sahakari Sakhar Karkhana Ltd										
Dattatrayanagar, Pargaon, Via Awasan BK, Tal-Ambegaon, Dist-Pune										
Name of Work : Construction of Toilet block unit for Mamasahab Mohol Vidyalaya At- Pondewadi Tal-Ambegaon Dist-Pune										
Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI										
ABSTRACT SHEET										
ESTIMATED COST-8,61,008										
RA BILL NO: 1st and Final RA BILL										
Item. No.	Tender Qty	Description	Quantity			Rate	Unit	Previous Bill Amt	This Bill Amount	Up to Date Amount
			Previous Bill Qty	This Bill Qty	Up to Date Qty					
1	14.966	ITEM NO. : 1 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond	0.00	14.62	14.62	207.00	Cum	0.00	3026.34	3026.34
2	6.827	ITEM NO. : 2 Excavation for foundation in hard murum including removing the excavated material upto distance of 50	0.00	6.77	6.77	227.00	Cum	0.00	1536.79	1536.79
3	2.422	ITEM NO. : 3 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out	0.00	3.98	3.98	6313.20	Cum	0.00	25126.54	25126.54
4	10.670	ITEM NO. : 4 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in	0.00	13.97	13.97	5742.45	Cum	0.00	80222.03	80222.03
5	3.158	ITEM NO. : 5 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external	0.00	6.50	6.50	8238.50	Cum	0.00	53550.25	53550.25
6	19.891	ITEM NO. : 6 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out joints,	0.00	20.27	20.27	8477.50	Cum	0.00	171838.93	171838.93
7	6.827	ITEM NO. : 7 Filling in plinth and floor with approved excavated material in 15cm. to 20cm. layers including watering and compacting etc. complete. (INo21-36)	0.00	3.39	3.39	120.00	Cum	0.00	406.80	406.80
8	2.932	ITEM NO. : 8 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer incharge in layers of 15cm. to 20cm. including watering	0.00	2.60	2.60	599.00	Cum	0.00	1557.40	1557.40
9	0.689	ITEM NO. : 9 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite / quartzite/ gneiss metal for R.C.C.	0.00	2.20	2.20	12730.20	Cum	0.00	28006.44	28006.44
10	4.162	ITEM NO. : 10 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed	0.00	4.15	4.15	14404.20	Cum	0.00	59777.43	59777.43
11	0.446	ITEM NO. : 11 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps,	0.00	0.59	0.59	89868.00	MT	0.00	53376.92	53376.92
12	121.528	ITEM NO. : 12 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or	0.00	155.35	155.35	284.10	SQMT	0.00	44134.94	44134.94
13	80.482	ITEM NO. : 13 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including	0.00	66.07	66.07	652.45	SQMT	0.00	43107.37	43107.37
14	53.074	ITEM NO. : 14 Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete. (INo32-	0.00	122.95	122.95	65.00	SQMT	0.00	7991.75	7991.75
15	20.160	ITEM NO. : 15 Providing and fixing Black granite of 18 to 20 mm thick for door frame/ door/ window boxing etc. On C.M. 1:6	0.00	21.90	21.90	2367.00	SQMT	0.00	51837.30	51837.30
16	0.079	ITEM NO. : 16 Providing and fixing frame with / without ventilator of size as specified with Country non teak wood for doors and	0.00	0.00	0.00	107112.00	Cum	0.00	0.00	0.00
17	3.780	ITEM NO. : 17 Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator	0.00	3.57	3.57	2913.00	SQMT	0.00	10399.41	10399.41
18	9.450	ITEM NO. : 18 Providing and fixing Solid fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000)	0.00	9.45	9.45	3495.00	SQMT	0.00	33027.75	33027.75
19	2.700	ITEM NO. : 19 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with	0.00	2.09	2.09	3467.00	SQMT	0.00	7246.03	7246.03
20	53.074	ITEM NO. : 20 Providing and applying plastic emulsion paint of approved quality, colour and shade to old & new surfaces in	0.00	119.91	119.91	80.00	SQMT	0.00	9592.80	9592.80
21	80.482	ITEM NO. : 21 Providing and applying two coats of exterior acrylic emulsion paint conforming to corresponding I.S. of approved	0.00	66.07	66.07	261.00	SQMT	0.00	17244.27	17244.27
22	13.592	ITEM NO. : 22 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006	0.00	19.95	19.95	1208.55	SQMT	0.00	24110.57	24110.57

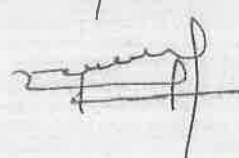
Name of Work : Construction of Toilet block unit for Mamasahab Mohol Vidyalaya At- Pondewadi Tal-Ambegaon Dist-Pune										
Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI										
ABSTRACT SHEET						ESTIMATED COST-8,81,008				
RA BILL NO. 1st and Final RA BILL										
Item No.	Tender Qty	Description	Quantity			Rate	Unit	Previous Bill Amt	This Bill Amount	Up to Date Amount
			Previous Bill Qty	This Bill Qty	Up to Date Qty					
23	81.774	ITEM NO. : 23 Providing and laying ceramic tiles having size 30 cm. X 30 cm. For dado and skirting in required position with	0.00	33.60	33.60	1263.45	SQMT	0.00	42451.92	42451.92
24	1.620	ITEM NO. : 24 Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary.	0.00	0.81	0.81	4010.00	SQMT	0.00	3248.10	3248.10
25	4.000	ITEM NO. : 25 Providing and fixing C.P. Bib cock with wall flange of approved make including necessary sockets/ union nut etc.	0.00	2.00	2.00	1193.00	Nos	0.00	2386.00	2386.00
26	5.000	ITEM NO. : 26 Providing and fixing 15 mm dia. Screw down bib/ stop tap of brass including necessary socket union nut	0.00	0.59	0.59	671.00	Nos	0.00	390.54	398.54
27	3.000	ITEM NO. : 27 Providing and fixing white glazed earthenware lipped flat/corner type Urinal with PVC 5 Liters flushing cister	0.00	3.00	3.00	4788.00	Nos	0.00	14364.00	14364.00
28	5.000	ITEM NO. : 28 Providing and fixing Orissa type white glazed earthenware 575 mm water closet pan including S trap with	0.00	5.00	5.00	4007.00	Nos	0.00	20035.00	20035.00
29	3.000	ITEM NO. : 29 Providing and Fixing half turn 25 mm dia gun metal flushing cock including all accessories etc.	0.00	0.00	0.00	953.00	Nos	0.00	0.00	0.00
30	10.500	ITEM NO. : 30 Providing and fixing 75 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting	0.00	0.00	0.00	607.00	RMT	0.00	0.00	0.00
31	18.000	ITEM NO. : 31 Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting	0.00	13.00	13.00	788.00	RMT	0.00	10244.00	10244.00
32	500.000	ITEM NO. : 32 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density	0.00	500.00	500.00	11.00	LIT	0.00	5500.00	5500.00
33	20.000	ITEM NO. : 33 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the	0.00	20.00	20.00	245.00	RMT	0.00	4900.00	4900.00
34	20.000	ITEM NO. : 34 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the	0.00	20.00	20.00	355.00	RMT	0.00	7100.00	7100.00
35	2.000	ITEM NO. : 35 providing and fixing oval type under counter wash hand basin of 16 inch x 22 inch size and of special colour shade	0.00	2.00	2.00	8799.00	Nos	0.00	17598.00	17598.00
36	1.000	ITEM NO. : 36 Providing and fixing hume pipe septic tank 900mm diameter with vent pipe and cap including necessary (including	0.00	1.00	1.00	16726.00	Nos	0.00	16726.00	16726.00
						Total Amount		0.00	872069.61	872069.61
						Limited to say Total Amount		0.00	861008.00	861008.00
						As Per Agreement (- 18.10%)		0.0	155842.4	155842.4
						Total Amount		0.00	705165.55	705165.55
						Add 18% GST		0.00	126929.80	126929.80
						Total Amount		0.00	832095.35	832095.35
						By Rounding Amount		0.00	832095.00	832095.00

CONTRACTOR

CIVIL OVERSEER

CIVIL ENGINEER

गुरु-दया एंटरप्रायझेस

S. G. Pokharna
प्रोप्रायटरchecked by me


Bhimashankar Sahakari Sakhar Karkhana Ltd

Dattatrayanagar, Pargaon, Via Awasari Bk, Tal-Ambegaon, Dist-Pune

Name of Work : Construction of Toilet block unit for Mamasahab Mohol Vidyalyaya At- Pondewadi Tal-Ambegaon Dist-Pune

Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI

RA BILL NO: 1st and Final RA BILL

MEASUREMENT SHEET

Item. No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
1	ITEM NO. : 1 Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed.							
	LW	1.000	3.000	5.053	0.600	0.600	5.457	CUM
	LW CHANGING ROOM	1.000	1.000	1.430	0.600	0.600	0.515	CUM
	GENTS W.C LW	1.000	1.000	1.510	0.600	0.600	0.544	CUM
	LEDIES W.C LW	1.000	1.000	3.920	0.600	0.600	1.411	CUM
	S/W	1.000	13.000	1.200	0.600	0.600	5.616	CUM
	STEPS	1.000	2.000	1.200	1.500	0.300	1.080	CUM
				TOTAL QTY			14.620	CUM
				PRE BILL QTY			0.00	CUM
				UP TO DATE QTY			14.620	CUM
2	ITEM NO. : 2 Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and							
	LW	1.000	3.000	5.053	0.600	0.300	2.729	CUM
	LW CHANGING ROOM	1.000	1.000	1.430	0.600	0.300	0.257	CUM
	GENTS W.C LW	1.000	1.000	1.510	0.600	0.300	0.272	CUM
	LEDIES W.C LW	1.000	1.000	3.920	0.600	0.300	0.706	CUM
	S/W	1.000	13.000	1.200	0.600	0.300	2.808	CUM
				TOTAL QTY			6.770	CUM
				PRE BILL QTY			0.00	CUM
				UP TO DATE QTY			6.770	CUM
3	ITEM NO. : 3 Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping.							
	LW	1.000	3.000	5.053	0.600	0.100	0.910	CUM
	LW CHANGING ROOM	1.000	1.000	1.430	0.600	0.100	0.086	CUM
	GENTS W.C LW	1.000	1.000	1.510	0.600	0.100	0.091	CUM
	LEDIES W.C LW	1.000	1.000	3.920	0.600	0.100	0.235	CUM
	S/W	1.000	13.000	1.200	0.600	0.100	0.936	CUM
	GENTS BLOCK PASSAGE	1.000	1.000	1.883	2.630	0.075	0.371	CUM
	LEDIES W.C LW	1.000	1.000	1.430	1.350	0.075	0.145	CUM
	CHANGING ROOM	1.000	1.000	1.050	0.600	0.075	0.047	CUM
	LEDIES BLOCK PASSAGE	1.000	1.000	4.590	1.200	0.075	0.413	CUM
	TOILET BLOCOK	1.000	5.000	1.050	1.200	0.075	0.473	CUM
	STEPS	1.000	2.000	1.200	1.500	0.075	0.270	CUM
				TOTAL QTY			3.980	CUM
				PRE BILL QTY			0.00	CUM
				UP TO DATE QTY			3.980	CUM
4	ITEM NO. : 4 Providing uncoursed rubble masonry of trap / granite / quartzite / gneiss stones in cement mortar 1:6 in foundation and plinth of inner walls / in							
	LW	1.000	3.000	5.053	0.450	0.825	5.628	CUM
	LW CHANGING ROOM	1.000	1.000	1.430	0.450	0.825	0.531	CUM
	GENTS W.C LW	1.000	1.000	1.510	0.450	0.825	0.561	CUM
	LEDIES W.C LW	1.000	1.000	3.920	0.450	0.825	1.455	CUM
	S/W	1.000	13.000	1.200	0.450	0.825	5.792	CUM
				TOTAL QTY			13.970	CUM
				PRE BILL QTY			0.00	CUM
				UP TO DATE QTY			13.970	CUM

Name of Work : Construction of Toilet block unit for Mamasahab Mohol Vidyalaya At- Pondewadi Jal-Ambegaon Dist-Pune								
Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI								
RA BILL NO: 1st and Final RA BILL								
MEASUREMENT SHEET								
Item. No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
5	ITEM NO. : 5 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/ in plinth external walls including bailing out water manually							
	LW	1.000	3.000	5.053	0.355	0.450	2.422	CUM
	LW CHANGING ROOM	1.000	1.000	1.430	0.355	0.450	0.228	CUM
	GENTS W.C LW	1.000	1.000	1.510	0.355	0.450	0.241	CUM
	LADIES W.C LW	1.000	1.000	3.920	0.355	0.450	0.626	CUM
	S/W	1.000	13.000	1.200	0.355	0.450	2.492	CUM
	STEPS	1.000	2.000	0.300	0.150	1.200	0.108	CUM
	STEPS	1.000	2.000	0.600	0.150	1.200	0.216	CUM
	STEPS	1.000	1.000	0.900	0.150	1.200	0.162	CUM
				TOTAL QTY			6.500	CUM
				PRE BILL QTY			0.00	CUM
				UP TO DATE QTY			6.500	CUM
6	ITEM NO. : 6 Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in foundations including bailing out water manually							
	LW	1.000	3.000	5.053	0.230	2.700	9.414	CUM
	LW CHANGING ROOM	1.000	1.000	1.430	0.230	2.700	0.888	CUM
	GENTS W.C LW	1.000	1.000	1.510	0.230	2.700	0.938	CUM
	LADIES W.C LW	1.000	1.000	3.920	0.230	2.700	2.434	CUM
	S/W	1.000	13.000	1.200	0.230	2.700	9.688	CUM
	DED V	1.000	-10.000	0.380	0.230	0.530	-0.463	CUM
	D1	1.000	-2.000	0.850	0.230	2.100	-0.821	CUM
	D2	1.000	-5.000	0.750	0.230	2.100	-1.811	CUM
				TOTAL QTY			20.270	CUM
				PRE.BILL QTY			0.00	CUM
				UP TO DATE QTY			20.270	CUM
7	ITEM NO. : 7 Filling in plinth and floors with approved excavated material in 15cm. to 20cm. layers including							
	EQUAL TO QTY OF HARD MURUM 50%	1.000	1.000	6.770	0.500		3.385	CUM
								CUM
				TOTAL QTY			3.390	CUM
				PRE.BILL QTY			0.00	CUM
				UP TO DATE QTY			3.390	CUM
8	ITEM NO. : 8 Filling in plinth and floors with contractors material/brought from outside and approved by Engineer							
	PASSAGE	1.000	1.000	1.883	2.630	0.300	1.486	SQMT
		1.000	1.000	1.430	1.350	0.300	0.579	SQMT
	PASSAGE	1.000	1.000	4.590	1.200	0.300	1.652	SQMT
	W.C	1.000	6.000	1.050	1.200	0.300	2.268	SQMT
	DED ITEM NO 7 QTY						-3.390	SQMT
				TOTAL QTY			2.600	SQMT
				PRE.BILL QTY			0.00	SQMT
				UP TO DATE QTY			2.600	SQMT
9	ITEM NO. : 9 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs and drawings or as directed including							
	DOOR LINTEL	1.000	2.000	5.053	0.230	0.150	0.349	CUM
		1.000	1.000	3.920	0.230	0.150	0.135	CUM
		1.000	8.000	1.200	0.230	0.150	0.331	CUM
	LW	1.000	2.000	5.053	0.230	0.255	0.593	CUM
	LW	1.000	1.000	3.920	0.230	0.255	0.230	CUM
	S/W	1.000	8.000	1.200	0.230	0.255	0.563	CUM
				TOTAL QTY			2.200	CUM

Name of Work : Construction of Toilet block unit for Mamasahab Mohol Vidyalaya At- Pondewadi Tal-Ambegaon Dist-Pune

Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI

RA BILL NO: 1st and Final RA BILL

MEASUREMENT SHEET								
Item. No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
				PRE-BILL QTY			0.00	SQMT
				UP TO DATE QTY			2.200	SQMT
10	ITEM NO : 10 Providing and laying Cast in situ/Ready Mix cement concrete M-20 of trap/ granite / quartzite/ gneiss metal for R.C.C. slabs and landings as per detailed designs and drawings including steel centering, formwork, cover blocks, laying/pumping, compaction finishing the							
	SLAB	1.000	1.000	5.353	4.820	0.130	3.354	CUM
	SLAB	1.000	1.000	4.223	1.443	0.130	0.792	CUM
							0.000	CUM
							0.000	CUM
							0.000	CUM
							4.150	CUM
							0.00	CUM
							4.150	CUM
11	ITEM NO : 11 Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams/columns,	NOS	DIA OF BAR	LENGTH	TOTAL	KG/M	TOTAL KG	
	L/W DOOR LINTEL MAIN BAR TOP AND BOTTOM	8.000	10	5.053	40.424	0.617	24.950	KG
	STIRRUPS	68.000	8	0.600	40.800	0.395	16.116	KG
	L/W VENTILATOR MAIN BAR	4.000	10	3.920	15.680	0.617	9.675	KG
	STIRRUPS	27.000	8	0.600	16.200	0.395	6.399	KG
	L/W DOOR CHANGING ROOM	4.000	10	1.200	4.800	0.617	2.962	KG
	STIRRUPS	8.000	8	0.600	4.800	0.395	1.896	KG
	S/W W.C	4.000	10	5.950	23.800	0.617	14.685	KG
	STIRRUPS	40.000	8	0.600	24.000	0.395	9.480	KG
	S/W	8.000	10	2.630	21.040	0.617	12.982	KG
	STIRRUPS	18.000	8	0.600	10.800	0.395	4.266	KG
	SLAB BEAM BEAM BOTTOM	4.000	12	5.053	20.212	0.890	17.989	KG
	BEAM TOP	4.000	10	5.053	20.212	0.617	12.471	KG
	STIRRUPS	34.000	8	1.220	41.480	0.395	16.385	KG
	CURTAIN BAR	4.000	10	1.500	6.000	0.617	3.702	KG
	SLAB BEAM BEAM BOTTOM	4.000	12	3.920	15.680	0.890	13.955	KG
	BEAM TOP	4.000	10	3.920	15.680	0.617	9.675	KG
	STIRRUPS	52.000	8	1.220	63.440	0.395	25.059	KG
	CURTAIN BAR	4.000	10	1.500	6.000	0.617	3.702	KG
	S/W SLAB BEAM BEAM BOTTOM	4.000	12	5.950	23.800	0.890	21.182	KG
	BEAM TOP	4.000	10	5.950	23.800	0.617	14.685	KG
	STIRRUPS	80.000	8	1.220	97.600	0.395	38.552	KG
	CURTAIN BAR	4.000	10	1.500	6.000	0.617	3.702	KG
	SLAB LX	47.000	10	5.353	251.591	0.617	155.232	KG
	SLAB LY	40.000	10	6.250	250.000	0.617	154.250	KG
							593.948	KG
							0.594	MT
							0.00	MT
							0.594	MT
12	ITEM NO : 12 Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc.							
	GENTS BLOCK CEILING	1.000	1.000	1.883	2.630		4.952	SQMT
		1.000	1.000	1.430	1.350		1.931	SQMT
	LADIES BLOCK PASSAGE CEILING	1.000	1.000	4.590	1.200		5.508	SQMT
	W.C	1.000	6.000	1.050	1.200		7.560	SQMT
	WALL	1.000	2.000	3.313	3.000		19.878	SQMT
	WALL	1.000	2.000	2.630	3.000		15.780	SQMT
	WALL	1.000	2.000	4.590	3.000		27.540	SQMT

Name of Work : Construction of Toilet block unit for Mamasahab Mohol Vidyalaya At- Pondewadi Tal-Ambegaon Dist-Pune

Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI

RA BILL NO: 1st and Final RA BILL

MEASUREMENT SHEET

Item. No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
		1.000	2.000	1.200	3.000		7.200	SQMT
	W.C	1.000	6.000	4.500	3.000		81.000	SQMT
	DED D1	1.000	-2.000	0.850	2.100		-3.570	SQMT
	D 2	1.000	-6.000	0.750	2.100		-9.450	SQMT
	V	1.000	-10.000	0.350	0.850		-2.975	SQMT
							TOTAL QTY	155.350
							PRE.BILL QTY	0.00
							UP TO DATE QTY	155.350
13	ITEM NO. : 13 Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface							
	LW	1.000	2.000	5.053		3.300	33.350	SQMT
	S/W	1.000	2.000	5.950		3.300	39.270	SQMT
	DED D1	1.000	-2.000	0.850		2.100	-3.570	SQMT
	V	1.000	-10.000	0.350		0.850	-2.975	SQMT
							0.000	SQMT
							TOTAL QTY	66.070
							PRE.BILL QTY	0.00
							UP TO DATE QTY	66.070

Name of Work : Construction of Toilet block unit for Mamasahab Mohol Vidyalaya At- Pondewadi Tal-Ambegaon Dist-Pune

Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI

RA BILL NO: 1st and Final RA BILL

MEASUREMENT SHEET

Item. No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
14	ITEM NO. : 14 Providing neeru finish to plastered surfaces in all positions including scaffolding and curing etc. complete. (INo32-15, PgNo 210) (STATE SSR) Item Spec: (Bd. L.10, Page No.370)							
	GENTS BLOCK CEILING	1.000	1.000	1.883	2.630		4.952	SQMT
		1.000	1.000	1.430	1.350		1.931	SQMT
	LADIES BLOCK PASSAGE CEILING	1.000	1.000	4.590	1.200		5.508	SQMT
	W.C	1.000	6.000	1.050	1.200		7.560	SQMT
	WALL	1.000	2.000	3.313	3.000		19.878	SQMT
	WALL	1.000	2.000	2.630	3.000		15.780	SQMT
	WALL	1.000	2.000	4.590	3.000		27.540	SQMT
		1.000	2.000	1.200	3.000		7.200	SQMT
	W.C	1.000	6.000	4.500	3.000		81.000	SQMT
	DED D1	1.000	-2.000	0.850	2.100		-3.570	SQMT
	D 2	1.000	-6.000	0.750	2.100		-9.450	SQMT
	V	1.000	-10.000	0.350	0.850		-2.975	SQMT
	DED WALL TILES OF W.C	1.000	-6.000	4.500	1.200		-32.400	SQMT
	URINAL AREA	1.000	-1.000	2.100	1.450		-3.045	SQMT
							TOTAL QTY	122.950
							PRE.BILL QTY	0.00
							UP TO DATE QTY	122.950
15	ITEM NO. : 15 Providing and fixing Black granite of 18 to 20 mm thick for door frame/ dado/ window boxing etc. On C.M. 1:6 including filling joints with polymer base filler nosing the sharp edges wherever necessary , curing, etc.complete.....(INo33-							
	MAIN DOOR	2.000	2.000	2.100		0.300	2.520	SQMT
		2.000	2.000	0.850		0.300	1.020	SQMT
	W.C DOOR	6.000	2.000	2.100		0.300	7.560	SQMT
		6.000	2.000	0.750		0.300	2.700	SQMT
	V	10.000	2.000	0.550		0.300	3.300	SQMT
		10.000	2.000	0.350		0.300	2.100	SQMT
	STEPS TREADERS	1.000	5.000	1.200		0.300	1.800	SQMT
		1.000	5.000	1.200		0.150	0.900	SQMT
							TOTAL QTY	21.900
							PRE.BILL QTY	0.00
							UP TO DATE QTY	21.900
16	ITEM NO. : 16 Providing and fixing frame with / without ventilator of size as specified with Country non teak wood for doors and windows including chamfering, rounding, rebating, iron holdfast of size 300mm x 40mm x 5mm with oil painting, etc. complete							
	NOT EXECUTED						0.000	SQMT
							TOTAL QTY	0.000
							PRE.BILL QTY	0.00
							UP TO DATE QTY	0.000
17	ITEM NO. : 17 Providing and fixing solid core flush door shutter commercial in single leaf 32 mm thick without ventilator commercial type of exterior grade as per							
	D1	1.000	2.000	0.850		2.100	3.570	SQMT
							0.000	SQMT
							TOTAL QTY	3.570
							PRE.BILL QTY	0.00
							UP TO DATE QTY	3.570

Name of Work : Construction of Toilet block unit for Mamasahab Mulhol Vidyalaya At- Pondewadi-Tal Ambegaon Dist-Pune								
Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI								
RA BILL NO: 1st and Final RA BILL								
MEASUREMENT SHEET								
Item. No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
18	ITEM NO. : 18 Providing and fixing Solid fiber glass reinforced polyster door shutter 35 mm thick as per IS 14856 (2000) (Reaffirmed 2006) without ventilator including chromium plated fixtures and fastening with chromium plated handles on both sides, etc complete.....(INo39-59 , PgNo 258) (STATE SSR D2	1.000	6.000	0.750		2.100	9.450	SQMT
							0.000	SQMT
							9.450	SQMT
							0.00	SQMT
							9.450	SQMT
19	ITEM NO. : 19 Providing and fixing in position powder coated aluminium louvered windows / ventilator of various sizes with powder coating as per detailed drawing and specifications including aluminium frames 80 x 38 mm x 1.22 mm box type 5mm thick chest V	1.000	10.000	0.380		0.550	2.090	SQMT
	LW						0.000	SQMT
							2.090	SQMT
							0.00	SQMT
							2.090	SQMT
20	ITEM NO. : 20 Providing and applying plastic emulsion paint of approved quality, colour and shade to old & new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat)etc.							
	GENTS BLOCK CEILING	1.000	1.000	1.883	2.630		4.952	SQMT
		1.000	1.000	1.430	1.350		1.931	SQMT
	LADIES BLOCK PASSAGE CEILING	1.000	1.000	4.590	1.200		5.508	SQMT
	W.C	1.000	6.000	1.050	1.200		7.560	SQMT
	WALL	1.000	2.000	3.313	3.000		19.878	SQMT
	WALL	1.000	2.000	2.630	3.000		15.780	SQMT
	WALL	1.000	2.000	4.590	3.000		27.540	SQMT
		1.000	2.000	1.200	3.000		7.200	SQMT
	W.C	1.000	6.000	4.500	3.000		81.000	SQMT
	DED D1	1.000	-2.000	0.850	2.100		-3.570	SQMT
	D 2	1.000	-6.000	0.750	2.100		-9.450	SQMT
	V	1.000	-10.000	0.350	0.850		-2.975	SQMT
	DED WALL TILES OF W.C	1.000	-6.000	4.500	1.200		-32.400	SQMT
	URINAL AREA	1.000	-1.000	2.100	1.450		-3.045	SQMT
							119.910	SQMT
							0.00	SQMT
							119.910	SQMT
21	ITEM NO. : 21 Providing and applying two coats of exterior acryaic emulsion paint conforming to corresponding I.S. of approved manufacture and of approved colour to the plastered surfaces including							
	LW	1.000	2.000	5.053		3.300	33.350	SQMT
	S/W	1.000	2.000	5.950		3.300	39.270	SQMT
	DED D1	1.000	-2.000	0.850		2.100	-3.570	SQMT
	V	1.000	-10.000	0.350		0.850	-2.975	SQMT
							0.000	SQMT
							66.070	SQMT
							0.00	SQMT
							66.070	SQMT

Name of Work : Construction of Toilet block unit for Mamasheh Mohol Vidyalaya At- Pondewadi Tal-Ambegaon Dist-Pune

Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI

RA BILL NO: 1st and Final RA BILL

MEASUREMENT SHEET

Item, No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
22	ITEM NO. : 22 Providing and laying Antiskid Ceramic tiles of approved quality of size 30 cm x 30 cm and confirming to IS 15622-2006 (Group-B IIA) for antiskid flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with cement slurry cleaning curing etc. Complete.							
	GENTS TOILET PASSAGE	1.000	1.000	1.883	2.630		4.952	SQMT
		1.000	1.000	1.430	1.350		1.931	SQMT
	LADIES BLOCK PASSAGE	1.000	1.000	4.590	1.200		5.508	SQMT
	W.C	1.000	6.000	1.050	1.200		7.560	SQMT
							0.000	SQMT
						TOTAL QTY	19.950	SQMT
						PRE.BILL QTY	0.00	SQMT
						UP TO DATE QTY	19.950	SQMT
23	ITEM NO. : 23 Providing and laying ceramic tiles having size 30 cm. X 30 cm. For dado and skirting in required position with readymade adhesive mortar of approved quality on plaster of 1:2 cement mortar including joint filling with white/ colour cement slurry cleaning curing etc. Complete.							
	SKIRTING	1.000	1.000	2.630		0.230	0.605	SQMT
		1.000	1.000	2.100		0.230	0.483	SQMT
		1.000	1.000	3.690		0.230	0.849	SQMT
	URINAL WALL	1.000	1.000	2.100		1.450	3.045	SQMT
	WASH BASIN	2.000	1.000	0.900		0.900	1.620	SQMT
	W.C	1.000	6.000	4.500		1.200	32.400	SQMT
	DED D1	1.000	-6.000	0.750		1.200	-5.400	SQMT
						TOTAL QTY	33.800	SQMT
						PRE.BILL QTY	0.00	SQMT
						UP TO DATE QTY	33.600	SQMT
24	ITEM NO. : 24 Providing and fixing machine cut mirror polished 18 mm to 20 mm thick telephone black / Amba White / Cat bary brown / RBI red / Ocean Brown granite stone partition with rounding the edges etc. complete. One side polish..							
	URINAL PARTITION	1.000	3.000	0.900		0.300	0.810	SQMT
							0.000	SQMT
						TOTAL QTY	0.810	SQMT
						PRE.BILL QTY	0.00	SQMT
						UP TO DATE QTY	0.810	SQMT
25	ITEM NO. : 25 Providing and fixing C.P. BIB cock with wall flange of approved make including necessary sockets/ union nut etc. complete as directed by Engineer in charge.							
	BELOW WASH BASIN	1.000	2.000				2.000	Nos
						TOTAL QTY	2.000	Nos
						PRE.BILL QTY	0.00	Nos
						UP TO DATE QTY	2.000	Nos
26	ITEM NO. : 26 Providing and fixing 15 mm dia. Screw down bib/ stop tap of brass including necessary socket union nut complete							
	W.C	1.000	5.000				5.000	Nos
						TOTAL QTY	5.000	Nos
						PRE.BILL QTY	0.00	Nos
						UP TO DATE QTY	5.000	Nos
27	ITEM NO. : 27 Providing and fixing white glazed earthenware lipped flat/corner type Urinal with PVC 5 Liters flushing cister							

Name of Work : Constrution of Toilet block unit for Mamasahab Mohol Vidyalyaya At- Pondewadi Tal-Ambegaon Dist-Pune

Name of Contractor : M/S GURUDAYA ENTERPRISES AT-KHADAKWADI

RA BILL NO: 1st and Final RA BILL

MEASUREMENT SHEET

Item. No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
	URINAL POT	1.000	3.000				3.000	Nos
							TOTAL QTY	3.000 Nos
							PRE.BILL QTY	0.00 Nos
							UP TO DATE QTY	3.000 Nos
28	ITEM NO. : 28 Providing and fixing Orissa type white glazed earthenware 575 mm water closet pan including S trap with earthenware foot rests, cast iron soil and vent pipe upto outside face of the wall 1:2:4 brick bat lime W.C	1.000	5.000				5.000	Nos
							TOTAL QTY	5.000 Nos
							PRE.BILL QTY	0.00 Nos
							UP TO DATE QTY	5.000 Nos
29	ITEM NO. : 29 Providing and Fixing half turn 25 mm dia gun metal flushing cock including all accessories etc, complete.....							
	NOT EXECUTED	1.000	0.000				0.000	Nos
							TOTAL QTY	0.000 Nos
							PRE.BILL QTY	0.00 Nos
							UP TO DATE QTY	0.000 Nos
30	ITEM NO. : 30 Providing and fixing 75 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete.....(INo42-51 , PgNo 279) (STATE SSR)							
	VENT PIPE NOT EXECUTED	1.000	0.000				0.000	RMT
							TOTAL QTY	0.000 RMT
							PRE.BILL QTY	0.00 RMT
							UP TO DATE QTY	0.000 RMT
31	ITEM NO. : 31 Providing and fixing 100 mm dia stabiliser pipe/ P.V.C. soil vent/waste pipe and with necessary fixtures and fitting such as bends, tees, single junctions, slotted vent, clamps etc. complete.....(INo42-52 , PgNo 279)							
	W.C TO SEPTIK TANK	1.000	8.000				8.000	RMT
	W.C TO SEPTIK TANK	1.000	5.000				5.000	RMT
							TOTAL QTY	13.000 RMT
							PRE.BILL QTY	0.00 RMT
							UP TO DATE QTY	13.000 RMT
32	ITEM NO. : 32 Providing and fixing H.D.P container Syntex or alike one piece moulded water tank made out of low density polythylene and built corrugation including of delivery up to destination hoisting and fixing of							
	PLASTO TANK	1.000	500.000				500.000	LITR
							TOTAL QTY	500.000 LITR
							PRE.BILL QTY	0.00 LITR
							UP TO DATE QTY	500.000 LITR
33	ITEM NO. : 33 Providing and fixing on walls/ ceiling/ floor 15 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and							
	W.C	1.000	20.000				20.000	RMT
							TOTAL QTY	20.000 RMT
							PRE.BILL QTY	0.00 RMT
							UP TO DATE QTY	20.000 RMT
34	ITEM NO. : 34 Providing and fixing on walls/ ceiling/ floor 25 mm dia. CPVC pipe with necessary fittings, remaking good the demolished portion etc. complete. Including removing existing pipe line if necessary and							

RA BILL NO: 1st and Final RA BILL

MEASUREMENT SHEET

Item. No.	Description	Nos	Member	Length	Breadth	Height	Qty	Unit
	W.C	1.000	20.000				20.000	RMT
						TOTAL QTY	20.000	RMT
						PRE.BILL QTY	0.00	RMT
						UP TO DATE QTY	20.000	RMT
35	ITEM NO. : 35 providing and fixing oval type under counter wash hand basin of 16 inch x 22 inch size and of special colour shade having telephonic black / coloured granite of 180 mm thick stone black kadappa framework							
	WASH BASIN	1.000	2.000				2.000	Nos
						TOTAL QTY	2.000	Nos
						PRE.BILL QTY	0.00	Nos
						UP TO DATE QTY	2.000	Nos
36	ITEM NO. : 36 Providing and fixing hume pipe septic tank 900mm diameter with vent pipe and cap including necessary (including excavation and laying)....(INo42-18 ,							
	SEPTIK TANK	1.000	1.000				1.000	Nos
						TOTAL QTY	1.000	Nos
						PRE.BILL QTY	0.00	Nos
						UP TO DATE QTY	1.000	Nos

गुरू-दया एंटरप्रायझेस

S. G. Pokharel
प्रोप्रायटर



महाराष्ट्र शासन
जिल्हा नियोजन समिती
जिल्हाधिकारी कार्यालय, पुणे



दूरध्वनी क्र.: 020-26121012

ई-मेल: dpopune85@gmail.com

जा.क्र.जिनिसपुनि-४/CRE/२०२५/E-965426

दि. ०३/०३/२०२५

आदेश

विषय :- Corporate Environment Responsibility (CER) अंतर्गत करण्यात येणाऱ्या कामांना मान्यता देणेबाबत....

संदर्भ: १. दि. २४/०८/२०२३ चे बैठकीचे इतिवृत्त मा. जिल्हाधिकारी कार्यालय पुणे (महसूल शाखा) जा.क्र.पमन/CER/एसआर/०२/२०२३,

दि. ०१/०९/२०२३

२. भीमाशंकर सहकारी साखर कारखाना लि. ता. आंबेगाव, जि. पुणे यांचे पत्र क्र. भीमाशंकर/उत्पादन/३६१९, दि. २९/०९/२०२५

भीमाशंकर कारखान्यापासून १० किमी परिसरातील ११ गावांमध्ये Corporate Environment Responsibility (CER) अंतर्गत येणाऱ्या पर्यावरणपूरक कामांसाठी रु. ९३,८८,०६४/- खर्चाचे अंदाजपत्रक तयार करून सदरील कामांना मंजूरी मिळाली आहे.

उपरोक्त संदर्भ क्र. १ अन्वये भैरवनाथ माध्यमिक आणि उच्च माध्यमिक विद्यालय, लोणी हया शाळेस स्वच्छतागृह देणे या रु. ८,६१,००८ लाख किमतीच्या कामास मंजूरी मिळालेली आहे.

उपरोक्त संदर्भ क्र. २ चे पत्रान्वये, भीमाशंकर सहकारी साखर कारखाना लि. ता. आंबेगाव, जि. पुणे यांनी Corporate Environment Responsibility (CER) अंतर्गत यापूर्वी मंजूर काम भैरवनाथ माध्यमिक आणि उच्च माध्यमिक विद्यालय, लोणी हया शाळेस स्वच्छतागृह देणे या कामाऐवजी भैरवनाथ माध्यमिक आणि उच्च माध्यमिक विद्यालय, लोणी येथील मुलांना बसण्याकरीता बेंचेस देणे असा काम बदलाचा प्रस्ताव या कार्यालयास प्राप्त झालेला आहे. सदर कामाच्या रक्कमेमध्ये कोणताही बदल दिसून येत नाही.

पर्यावरण, वन एवं जल वायु परिवर्तन मंत्रालय, नवी दिल्ली यांचे परिपत्रक दि. ०१/०५/२०१८ नुसार स्थानिक गरजेनुसार नवीन कामे व अस्तित्वातील कामांमध्ये बदल करण्याचे अधिकार जिल्हाधिकारी यांना देण्यात आले आहेत.

त्यास अधिन राहून खालीलप्रमाणे पूर्वी प्रस्तावित करण्यात आलेल्या कामात बदल करून सुधारित कामास मान्यता देण्यात येत आहे.

अ.क्र.	पूर्वी प्रस्तावित करण्यात आलेले काम	रक्कम रु.	सुधारीत प्रस्तावित करण्यात आलेले काम	रक्कम रु.
१	भैरवनाथ माध्यमिक आणि उच्च माध्यमिक विद्यालय, लोणी हया शाळेस स्वच्छतागृह देणे	८,६१,००८	भैरवनाथ माध्यमिक आणि उच्च माध्यमिक विद्यालय, लोणी येथील मुलांना बसण्याकरीता बेंचेस देणे	८,६१,००८

वरील सुधारीत प्रस्तावित कामाचे सनियंत्रण व अभिलेख हे उपसंचालक, माध्यमिक शिक्षण विभाग पुणे, मे. सुलभ इंटरनॅशनल ऑर्गनायझेशन मुंबई यांनी ठेवावयाचे असून त्याबाबतचा अहवाल या कार्यालयास सदर करण्यात यावा.

Signed by

Jitendra Dudli

(जितेंद्र दुदली)

Date: 03-03-2025 21:49:40

जिल्हाधिकारी, पुणे

प्रति :- उपसंचालक, माध्यमिक शिक्षण विभाग, पुणे विभाग, पुणे

प्रत:- १. मे. सुलभ इंटरनॅशनल ऑर्गनायझेशन मुंबई

२. कार्यकारी संचालक, भीमाशंकर सहकारी साखर कारखाना लि. दत्तात्रयनगर, पारगाव तर्फे अवसरी चु., ता. आंबेगाव, जि. पुणे

1. Name of the person or organization 2. Address 3. City, State, and Zip	
--	--

4. Date of birth or date of organization's formation

5. Purpose of the organization or the nature of the business

6. Name of the person or organization to whom the report is being submitted

7. Name of the person or organization that provided the information

8. Signature of the person or organization providing the information

9. Date of the report

10. Name of the person or organization that received the report

11. Name of the person or organization that provided the information

12. Name of the person or organization that provided the information	13. Name of the person or organization that provided the information	14. Name of the person or organization that provided the information	15. Name of the person or organization that provided the information
16. Name of the person or organization that provided the information	17. Name of the person or organization that provided the information	18. Name of the person or organization that provided the information	19. Name of the person or organization that provided the information
20. Name of the person or organization that provided the information	21. Name of the person or organization that provided the information	22. Name of the person or organization that provided the information	23. Name of the person or organization that provided the information

24. Name of the person or organization that provided the information

25. Name of the person or organization that provided the information

26. Name of the person or organization that provided the information

27. Name of the person or organization that provided the information

28. Name of the person or organization that provided the information

BHIMASHANKAR

SAHAKARI SAKHAR KARKHANA LTD,

Dattatray Nagar, Pargaon via Avasari Bk, Tal: Ambegaon, Dist: Pune. Phone: (02133) 284270, Fax No: 284381

PURCHASE ORDER

Req No :

199/

To, Vendor Code : 4364
M/S GURUMAU LI KRUPA ENTERPRISES ✓

S.NO. 152/32, LAYGUDEMALA, NEAR RAJ
GARDEN, DHAYARI, PUNE 411 041

pune

Phone No: 9637273145

Mobile : 9/64183642

E-Mail Id : jotiba_malavi@rediffmail.com

BSSK/PO/490/2025-26
Purchase Order. No: 29

Date :- 26/05/2025
Date:- 26/05/2025

VAT TIN No: 27640410585-V DL1/4/2006 CST TIN No: 27640410585-C DL1/4/2006
E.C.C. No : AAAABO949G-XM-001/PAN No : AAAABO949G

GSTIN : 27AAAAB0949G1ZZ

E-mail :- bsskltd@gmail.com

SUBJECT TO GHODEGAON JURISDICTION

Ref :- SCHOOL BENCH BOD MEETING DT. 26/04/2025

We are pleased to place with you our order as shown below subject to the terms & conditions mentioned.

Note: 1. Compulsory Mention HSN code no. & Itemwise Tax details in GST Tax Invoice

2. Purchase Order No. must appear on all invoices, packing slips & /boxes. Packing slip must accompany each delivery and be attached to outside of at least one packages.

Delivery : UP TO 15/06/2025 ✓

Ship To : SITE DELIVERY ✓

Payment : AFTER RECEIPT & APPROVAL OF THE MATERIAL ✓

No	Item cd / HSN	Particulars	Quantity	Unit	Rate	Tax	Amount
1	20607	1ST- 4TH STD. TWO SEATER BENCH SIZE-L32"XW28"XH26" TOP AND SEAT IN 18MM COMMERCIAL PLY WITH ONE SIDE LAMINATE. SIDE IN LIPPING PATTI WITH NATURAL POLISH FRAME IN 18G "2X1","1X1"SQURE PIPE. FRANT IN 18G PERFORATED SHEET WITH BLACK POWDER COATING	54.00	numbers	2800.00	18%	151200.00
2	20608	5TH- 8TH STD. TWO SEATER BENCH SIZE-L36"XW30"XH30" TOP AND SEAT IN 18MM COMMERCIAL PLY WITH ONE SIDE LAMINATE. SIDE IN LIPPING PATTI WITH NATURAL POLISH FRAME IN 18G "2X1","1X1"SQURE PIPE. FRANT IN 18G PERFORATED SHEET WITH BLACK POWDER COATING	100.00	numbers	3400.00	18%	340000.00
3	20609	9TH-12TH STD. TWO SEATER BENCH SIZE-L42"XW32"XH32" TOP AND SEAT IN 18MM COMMERCIAL PLY WITH ONE SIDE LAMINATE. SIDE IN LIPPING PATTI WITH NATURAL POLISH FRAME IN 18G "2X1","1X1"SQURE PIPE. FRANT IN 18G PERFORATED SHEET WITH BLACK POWDER COATING	100.00	numbers	3700.00	18%	370000.00

Total Amount: 861,200.00 ✓

CGST

CGST

9.000 %

77508.00 ✓

SGST

SGST

9.000 %

77508.00 ✓

BHIMASHANKAR

SAHAKARI SAKHAR KARKHANA LTD,

Dattatray Nagar, Pargaon via Avasari Bk, Tal: Ambegaon, Dist: Pune. Phone: (02133) 284270, Fax No: 284381

PURCHASE ORDER

Req No :-

199/

To, Vendor Code: 4364
M/S GURUMAIJI KRIIPA ENTERPRISES

S.NO. 152/32, LAYGUDEMALA, NEAR RAJ
GARDEN, DHAYARI, PUNE 411 041

pune
Phone No: 9637273145
Mobile : 9764 183642
E-Mail Id : jotiba_malavi@rediffmail.com

BSSK/PO/
Purchase Order. No: 29

Date :-
Date:- 26/05/2025

VAT TIN No: 27640410585-V Dt. 1/4/2006 CST TIN No: 27640410585-C Dt. 1/4/2006
E.C.C. No : AAAABO949G-XM-001/PAN No : AAAABO949G

GSTIN : 27AAAAB0949G1ZZ

E-mail :- bsskltd@gmail.com

SUBJECT TO GHODEGAON JURISDICTION

Ref :- SCHOOL BENCH BOD MEETING DT. 20/04/2025

We are pleased to place with you our order as shown below subject to the terms & conditions mentioned.

Note: 1. Compulsory Mention HSN code no. & Itemwise Tax details in GST Tax Invoice.
2. Purchase Order No. must appear on all invoices, packing slips & /boxes. Packing slip must accompany each delivery and be attached to outside of at least one packages.

Delivery : UP TO 15/06/2025

Ship To : SITE DELIVERY

Payment : AFTER RECEIPT & APPROVAL OF THE MATERIAL

Total Values (Rs.): 1016216.00

Net Payable Amount: 1016216.00

ACCEPTANCE BY VENDOR

This order is hereby accepted as per requirement & specification shown above

Firm Name :

By : Time :

Date :

FOR BHIMASHANKAR SAHAKARI
SAKHAR KARKHANA LTD.



Purchase Officer



Head of the Department



MANAGING DIRECTOR

Note: Material will not be accepted without Original GST Invoice / Bill.

Copy To:- Purchase/Account/Store/Engg./Agri./Mfg./Civil/Admin./Master.



(REGD. NO.:P.N./A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

Dattatraynagar, Pargaon Via Awasari (Bk.) Tal : Ambegaon, Dist : Pune. 412 406

Tel.fax : (02133) 284241, 284270, 9975568130, 8888846990 Email : bsskltd@gmail.com, Website : www.bhimashankarssk.com, www.bsskl.sets.co.in

जा.क्र.: भीमाशंकर / सिव्हील / १५०३ / २०२४-२५

दि.२९/०७/२०२४

वर्कऑर्डर

प्रति,

मे.नंदादीप कंस्ट्रक्शन

मु.पो.राजुरी

ता.जुन्नर, जि.पुणे

विषय :- मौजे पारगाव येथे संगमेश्वर माध्य. व उच्च माध्य. विद्यालयासाठी शौचालय युनिटचे बांधकाम करणेच्या कामाबाबत..

महोदय,

वरील विषयास अनुसरून, कारखान्यामार्फत मौजे पारगाव येथे संगमेश्वर माध्य. व उच्च माध्य. विद्यालयासाठी शौचालय युनिटचे बांधकाम करणेच्या कामासाठी आपण सादर केलेली निविदा व त्यावर मा. कार्यकारी समिती सभा दि.२२/०७/२०२४ मध्ये आपणाशी समक्ष झालेल्या चर्चेनुसार सदर काम आपणास एस्टिमेट रक्कम रु. ८,६१,००८/- पेक्षा १८.६०% कमी दराने मंजूर करण्यात आले आहे

कामाच्या अटी व शर्ती खालीलप्रमाणे राहतील

- १) कामाची मुदत १ महिना राहिल.
- २) कामासाठी लागणारे सर्व साहित्य व मजूर आपण स्वतः आणावयाचे आहेत.
- ३) काग चालू असताना कारखाना मालमत्तेचे गुकसान झाल्यास त्याची भरपाई आपणाकडून करण्यात येईल. मजुरांचा अपघात झाल्यास त्याची सर्वस्वी जबाबदारी आपली राहिल कारखान्याची कोणतीही जबाबदारी राहणार नाही.
- ४) कामाच्या बिलाच्या एकूण ५% रक्कम रेग्युलर सिक्युरिटी डिपॉझीट म्हणून कपात करण्यात येईल. सदर सिक्युरिटी डिपॉझीट रक्कम १२ महिन्यांचा डिफेक्ट लायबिलिटी पिरियड संपल्यानंतर अदा केली जाईल.
- ५) सदर निविदा एस्टिमेट रक्कमेच्या उणे १०% पेक्षा जास्त (उणे १८.६०%) असल्याने १०% कमी दरापर्यंत १% व १५% कमी दरापर्यंत १५.००% -१०% = ५.००% तसेच (१८.६०%-१५%) = ३.६०% करिता (३.६० x २) = ७.२०% असे एकूण १+५+७.२० = १३.२०% अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझीट रु. १,१३,६५३/- रक्कमेचा भरणा करावा. अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझीट रक्कम भरणा केल्यानंतरच काम सुरु करण्यास परवानगी देण्यात येईल. सदरची रक्कम काम पूर्ण झाल्यानंतर कागाच्या अंतिम बिलारोबत अदा करण्यात येईल.
- ६) केंद्र व राज्य शासनाच्या कर विषयक धोरणानुसार वरील कामास लागू असलेला जी.एस.टी. आपणास स्वतंत्र अदा केला जाईल याकरीता जी.एस.टी.साठी विहीत नमुन्यात बिल सादर करावे लागेल व जी.एस.टी.चा भरणा करून भरणा रिसीट कारखान्याकडे जमा करावी.



(REGD. NO.:P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

Dattatraynagar, Pargaon Vla Awasari (Bk.) Tal : Ambegaon, Dist : Pune. 412 406

Tel.fax : (02133) 284241, 284270, 9975568130, 8888846990 Email : bsskltd@gmail.com, Website : www.bhimashankarssk.com, www.bsskl.sets.co.in

- ७) कामासाठी लागणारे आवश्यक गटेरियल कारखाना स्टोअर्समध्ये उपलब्ध असल्यास कारखाना दराने देण्यात येईल व त्याची वसुली बिलातून करण्यात येईल.
 - ८) कामाचे कालावधीत आपण लेखी स्वरूपात मागणी केल्यास कामाच्या आवश्यकतेनुसार डिझेल पंपावरून कारखान्याने ठरविलेल्या दराप्रमाणे उधारीने डिझेल देण्यात येईल व डिझेलची होणारी रक्कम बिलातून वसूल केली जाईल.
 - ९) कामासाठी लागणारे पाणी व लाईटची व्यवस्था आपण स्वतः करावयाची आहे.
 - १०) आपलेकडे काम करणाऱ्या सर्व कामगारांच्या सुरक्षिततेच्या दृष्टीने आवश्यक असणारी साधने उदा. सेफ्टी बेल्ट, हेल्मेट, हँड ग्लोज इ. वापरणे आपणास बंधनकारक आहे.
 - ११) आपलेकडे काम करणाऱ्या सर्व मजुरांचा एम्प्लॉयमेंट कॉम्पेन्सेशन ॲक्टनुसार विमा घ्यावा लागेल व विमाकागदपत्रे सादर केल्यानंतरच काम सुरु करणेस परवानगी दिली जाईल.
 - १२) करारनामा करणेसाठी रु.५००/- चा स्टॅम्प पेपर त्वरीत सादर करावा.
- तरी आपण सिव्हील विभागाशी संपर्क साधून त्वरीत कामास सुरुवात करावी.

प्रत:- अकौंट / सिव्हील / मास्टर

प्र. कार्यकारी संचालक



(REGD. NO.:P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

Dattatraynagar, Pargaon Via Awasari (Bk.) Tal : Ambegaon, Dist : Pune. 412 406

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जा.क्र.: - भीमाशंकर / सिव्हील / १५०५

/ २०२४-२५

दि.२२/०७/२०२४

वर्कऑर्डर

प्रति,

श्री यश अभय भंडारी,

मु.पो.शिंगवे

ता.आंबेगाव, जि.पुणे

विषय :- मौजे शिंगवे येथील जि.प.प्राथमिक शाळेसाठी शौचालय युनिटचे बांधकाम करणेच्या कामाबाबत..
महोदय,

वरील विषयास अनुसरून, कारखान्यामार्फत मौजे शिंगवे येथील जि.प.प्राथमिक शाळेसाठी शौचालय युनिटचे बांधकाम करणेच्या कामासाठी आपण सादर केलेली निविदा व त्यावर मा. कार्यकारी समिती सभा दि.२२/०७/२०२४ मध्ये आपणाशी समक्ष झालेल्या चर्चेनुसार सदर काम आपणास एस्टिमेट रक्कम रु. ८,६१,००८/- पेक्षा १७.८०% कमी दराने मंजूर करण्यात आले आहे

कामाच्या अटी व शर्ती खालीलप्रमाणे राहतील

१) कामाची मुदत १ महिना राहिल.

२) कामासाठी लागणारे सर्व साहित्य व मजूर आपण स्वतः आणावयाचे आहेत.

३) काम चालू असताना कारखाना मालमत्तेचे नुकसान झाल्यास त्याची भरपाई आपणाकडून करण्यात येईल.
मजुरांचा अपघात झाल्यास त्याची सर्वस्वी जबाबदारी आपली राहिल कारखान्याची कोणतीही जबाबदारी राहणार नाही.

४) कामाच्या बिलाच्या एकूण ५% रक्कम रेग्युलर सिक्युरिटी डिपॉझिट म्हणून कपात करण्यात येईल.
सदर सिक्युरिटी डिपॉझिट रक्कम १२ महिन्यांचा डिफेक्ट लायबिलिटी पिरियड संपल्यानंतर अदा केली जाईल.

५) सदर निविदा एस्टिमेट रक्कमेच्या उणे १०% पेक्षा जास्त (उणे १७.८०%) असल्याने १०% कमी दरापर्यंत १% व १५% कमी दरापर्यंत १५.००% -१०% = ५.००% तसेच (१७.८०%-१५%) = २.८०% करिता (२.८० x २) = ५.६०% असे एकूण १+५+५.६० = ११.६०% अॅडिशनल परफॉर्मन्स सिक्युरिटी डिपॉझिट रु. ९९,८७७/- रक्कमेचा भरणा करावा. अॅडिशनल परफॉर्मन्स सिक्युरिटी डिपॉझिट रक्कम भरणा केल्यानंतरच काम सुरु करण्यास परवानगी देण्यात येईल. सदरची रक्कम काम पूर्ण झाल्यानंतर कामाच्या अंतिम बिलासोबत अदा करण्यात येईल.

६) केंद्र व राज्य शासनाच्या कर विषयक धोरणानुसार वरील कामास लागू असलेला जी.एस.टी.

आपणास स्वतंत्र अदा केला जाईल याकरीता जी.एस.टी.साठी विहित नमुन्यात बिल सादर करावे लागेल व जी.एस.टी.चा भरणा करून भरणा रिसीट कारखान्याकडे जमा करावी.



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- ७) कामासाठी लागणारे आवश्यक मटेरियल कारखाना स्टोअर्समध्ये उपलब्ध असल्यास कारखाना दराने देण्यात येईल व त्याची वसुली बिलातून करण्यात येईल.
- ८) कामाचे कालावधीत आपण लेखी स्वरूपात मागणी केल्यास कामाच्या आवश्यकतेनुसार डिझेल पंपावरून कारखान्याने ठरविलेल्या दराप्रमाणे उधारीने डिझेल देण्यात येईल व डिझेलची होणारी रक्कम बिलातून वसूल केली जाईल.
- ९) कामासाठी लागणारे पाणी व लाईटची व्यवस्था आपण स्वतः करावयाची आहे.
- १०) आपलेकडे काम करणाऱ्या सर्व कामगारांच्या सुरक्षिततेच्या दृष्टीने आवश्यक असणारी साधने उदा. सेफ्टी बेल्ट, हेल्मेट, हँड ग्लोज इ. वापरणे आपणास बंधनकारक आहे.
- ११) आपलेकडे काम करणाऱ्या सर्व मजुरांचा एम्प्लॉयमेंट कॉम्पेन्सेशन ॲक्टनुसार विमा घ्यावा लागेल व विमाकागदपत्रे सादर केल्यानंतरच काम सुरु करणेस परवानगी दिली जाईल.
- १२) करारनामा करणेसाठी रु.५००/- चा स्टॅप पेपर त्वरीत सादर करावा.

तरी आपण सिव्हील विभागाशी संपर्क साधून त्वरीत कामास सुरुवात करावी.

प्र. कार्यकारी संचालक

प्रत:- अकौंट / सिव्हील / मास्टर



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दि.२९/०७/२०२४

वर्कऑर्डर

प्रति,

श्री सुमित दत्तात्रय भोर,

मु.पो.रांजणी

ता.आंबेगाव, जि.पुणे

विषय :- नरसिंह विद्यालय रांजणी भाग शाळा वळती येथे शौचालय युनिटचे बांधकाम करणेच्या कामाबाबत..

महोदय,

वरील विषयास अनुसरून, कारखान्यामार्फत नरसिंह विद्यालय रांजणी भाग शाळा वळती येथे शौचालय युनिटचे बांधकाम करणेच्या कामासाठी आपण सादर केलेली निविदा व त्यावर मा. कार्यकारी समिती सभा दि.२२/०७/२०२४ मध्ये आपणाशी समक्ष झालेल्या चर्चेनुसार सदर काम आपणास एस्टिमेट रक्कम रु. ८,६१,००८/- पेक्षा १९.१०% कमी दराने मंजूर करण्यात आले आहे

कामाच्या अटी व शर्ती खालीलप्रमाणे राहतील

१) कामाची मुदत १ महिना राहिल.

२) कामासाठी लागणारे सर्व साहित्य व मंजूर आपण स्वतः आणावयाचे आहेत.

३) काम चालू असताना कारखाना मालमत्तेचें नुकसान झाल्यास त्याची भरपाई आपणाकडून करण्यात येईल. मजुरांचा अपघात झाल्यास त्याची सर्वस्वी जबाबदारी आपली राहिल कारखान्याची कोणतीही जबाबदारी राहणार नाही.

४) कामाच्या बिलाच्या एकूण ५% रक्कम रेग्युलर सिक्युरिटी डिपॉझीट म्हणून कपात करण्यात येईल.

सदर सिक्युरिटी डिपॉझीट रक्कम १२ महिन्यांचा डिफेक्ट लायबिलिटी पिरियड संपल्यानंतर अदा केली जाईल.

५) सदर निविदा एस्टिमेट रक्कमेच्या उणे १०% पेक्षा जास्त (उणे १९.१०%) असल्याने १०% कमी दरापर्यंत १% व १५% कमी दरापर्यंत १५.००% - १०% = ५.००% तसेच (१९.१०% - १५%) = ४.१०% करीता (४.१० x २) = ८.२०% असे एकूण १ + ५ + ८.२० = १४.२०% अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझीट रु. १,२२,२६३/- रक्कमेचा भरणा करावा. अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझीट रक्कम भरणा केल्यानंतरच काम सुरु करण्यास परवानगी देण्यात येईल. सदरची रक्कम काम पूर्ण झाल्यानंतर कामाच्या अंतिम बिलासोबत अदा करण्यात येईल.

६) केंद्र व राज्य शासनाच्या कर विषयक धोरणानुसार वरील कामास लागू असलेला जी.एस.टी.

आपणास स्वतंत्र अदा केला जाईल याकरीता जी.एस.टी.साठी विहीत नमुन्यात बिल सादर करावे लागेल व जी.एस.टी.चा भरणा करून भरणा रिसीट कारखान्याकडे जमा करावी.



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- ७) कामासाठी लागणारे आवश्यक मटेरियल कारखाना स्तोभासमध्ये उपलब्ध असल्यास कारखाना दराने देण्यात येईल व त्याची वसुली बिलातून करण्यात येईल.
 - ८) कामाचे कालावधीत आपण लेखी स्वरुपात मागणी केल्यास कामाच्या आवश्यकतेनुसार डिझेल पंपावरून कारखान्याने ठरविलेल्या दराप्रमाणे उधारीने डिझेल देण्यात येईल व डिझेलची होणारी रक्कम बिलातून वसूल केली जाईल.
 - ९) कामासाठी लागणारे पाणी व लाईटची सोय आपण स्वतः करावयाची आहे.
 - १०) आपलेकडे काम करणाऱ्या सर्व कामगारांच्या सुरक्षिततेच्या दृष्टीने आवश्यक असणारी साधने उदा. सेफ्टी बेल्ट, हेल्मेट, हॅड ग्लोज इ. वापरणे आपणास बंधनकारक आहे.
 - ११) आपलेकडे काम करणाऱ्या सर्व मजुरांचा एम्प्लॉयमेंट कॉम्प्लायन्स अॅक्टनुसार विगा घ्यावा लागेल व विमाकागदपत्रे सादर केल्यानंतरच काम सुरु करणेस परवानगी दिली जाईल.
 - १२) करारनामा करणेसाठी रु.५००/- चा स्टॅम्प पेपर त्वरीत सादर करावा.
- तरी आपण सिव्हील विभागाशी संपर्क साधून त्वरीत कामास सुरुवात करावी.

प्र. कार्यकारी संचालक

प्रत:- अकौंट / सिव्हील / मास्टर



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वर्कऑर्डर

प्रति,

प्रतिक्षा मधुसूदन शिंदे,

मु.पो.अवसरी बु.

ता.आंबेगाव , जि.पुणे

विषय :- मौजे अवसरी बु. येथील विद्या विकास मंदीर माध्यमिक विद्यालयासाठी शौचालय युनिटचे बांधकाम करणेच्या कामाबाबत..

महोदय,

वरील विषयास अनुसरून, कारखान्यामार्फत मौजे अवसरी बु. येथील विद्या विकास मंदीर माध्यमिक विद्यालयासाठी शौचालय युनिटचे बांधकाम करणेच्या कामासाठी आपण सादर केलेली निविदा व त्यावर मा. कार्यकारी समिती सभा दि.२२/०७/२०२४ मध्ये आपणाशी समक्ष झालेल्या चर्चेनुसार सदर काम आपणास एस्टिमेट रक्कम रु. ८,६१,००८/- पेक्षा १५.१०% कमी दराने मंजूर करण्यात आले आहे

कामाच्या अटी व शर्ती खालीलप्रमाणे राहतील

१) कामाची मुदत १ महिना राहिल.

२) कामासाठी लागणारे सर्व साहित्य व मजूर आपण स्वतः आणावयाचे आहेत.

३) काम चालू असताना कारखाना मालमत्तेचे नुकसान झाल्यास त्याची भरपाई आपणाकडून करण्यात येईल.

मजुरांचा अपघात झाल्यास त्याची सर्वस्वी जबाबदारी आपली राहिल कारखान्याची कोणतीही जबाबदारी राहणार नाही.

४) कामाच्या बिलाच्या एकूण ५% रक्कम रेग्युलर सिक्युरिटी डिपॉझीट म्हणून कपात करण्यात येईल.

सदर सिक्युरिटी डिपॉझीट रक्कम १२ महिन्यांचा डिफेक्ट लायबिलिटी पिरियड संपल्यानंतर अदा केली जाईल.

५) सदर निविदा एस्टिमेट रक्कमेच्या उणे १०% पेक्षा जास्त (उणे १५.१०%) असल्याने १०% कमी

दरापर्यंत १% व १५.१% कमी दरापर्यंत १५.००% - १०% = ५.००% तसेच (१५.१०% - १५%) = ०.१०%

करीता (०.१० x २) = ०.२०% असे एकूण १ + ५ + ०.२० = ६.२०% अॅडिशनल परफॉर्मन्स सिक्युरिटी

डिपॉझीट रु. ५३,३८३/- रक्कमेचा भरणा करावा. अॅडिशनल परफॉर्मन्स सिक्युरिटी डिपॉझीट रक्कम

भरणा केल्यानंतरच काम सुरू करण्यास परवानगी देण्यात येईल. सदरची रक्कम काम पूर्ण झाल्यानंतर

कामाच्या अंतिम बिलासोबत अदा करण्यात येईल.

६) केंद्र व राज्य शासनाच्या कर विषयक धोरणानुसार वरील कामास लागू असलेला जी.एस.टी.

आपणास स्वतंत्र अदा केला जाईल याकरीता जी.एस.टी.साठी विहित नमुन्यात बिल सादर करावे .

लागेल व जी.एस.टी.चा भरणा करून भरणा रिसीट कारखान्याकडे जमा करावी.

१५/०७/२४



(REGD. NO.:P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

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- ७) कामासाठी लागणारे आवश्यक मटेरियल कारखाना स्टोअर्समध्ये उपलब्ध असल्यास कारखाना दराने देण्यात येईल व त्याची वसुली बिलातून करण्यात येईल.
 - ८) कामाचे कालावधीत आपण लेखी स्वरूपात मागणी केल्यास कामाच्या आवश्यकतेनुसार डिझेल पंपावरून कारखान्याने ठरविलेल्या दराप्रमाणे उधारीने डिझेल देण्यात येईल व डिझेलची होणारी रक्कम बिलातून वसूल केली जाईल.
 - ९) कामासाठी लागणारे पाणी व लाईटची सोय आपण स्वतः करावयाची आहे.
 - १०) आपलेकडे काम करणाऱ्या सर्व कामगारांच्या सुरक्षिततेच्या दृष्टीने आवश्यक असणारी साधने उदा. सेफ्टी बेल्ट, हेल्मेट, हँड ग्लोज इ. वापरणे आपणास बंधनकारक आहे.
 - ११) आपलेकडे काम करणाऱ्या सर्व मजुरांचा एम्प्लॉयमेंट कॉम्पेन्सेशन ॲक्टनुसार विमा घ्यावा लागेल व विमाकागदपत्रे सादर केल्यानंतरच काम सुरु करणेस परवानगी दिली जाईल.
 - १२) करारनामा करणेसाठी रु.५००/- चा स्टॅम्प पेपर त्वरीत सादर करावा.
- तरी आपण सिव्हील विभागाशी संपर्क साधून त्वरीत कामास सुरुवात करावी.

प्र. कार्यकारी संचालक

प्रत:- अकौंट / सिव्हील / मास्टर



(REGD. NO.:P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1ZZ**

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जा.क्र.: भीमाशंकर / सिव्हील / १५०९ / २०२४-२५

दि.२९/०७/२०२४

वर्कऑर्डर

प्रति,

श्री प्रमोद भगवान वाघ,

मु.पहाडदरा, पो. धामणी

ता.आंबेगाव, जि.पुणे

विषय :- मौजे निरगुडसर येथील पंडीत जवाहरलाल नेहरू माध्य. व द.गो.वळसे पाटील उच्च माध्यमिक विध्यालयाच्या ईमारतीची सुधारणा करणेच्या कामाबाबत..

महोदय,

वरील विषयास अनुसरून, कारखान्यामार्फत मौजे निरगुडसर येथील पंडीत जवाहरलाल नेहरू माध्य. व द.गो.वळसे पाटील उच्च माध्यमिक विध्यालयाच्या ईमारतीची सुधारणा करणेच्या कामासाठी आपण सादर केलेली निविदा व त्यावर मा. कार्यकारी समिती सभा दि.२२/०७/२०२४ मध्ये आपणाशी समक्ष झालेल्या चर्चेनुसार सदर काम आपणास एस्टिमेट रक्कम रु. १०,००,०००/- पेक्षा ५.५०% कमी दराने मंजूर करण्यात आले आहे कामाच्या अटी व शर्ती खालीलप्रमाणे राहतील

- १) कामाची मुदत १ महिना राहिल.
- २) कामासाठी लागणारे सर्व साहित्य व मजूर आपण स्वतः आणावयाचे आहेत.
- ३) काम चालू असताना कारखाना मालमत्तेचे नुकसान झाल्यास त्याची भरपाई आपणाकडून करण्यात येईल. मजुरांचा अपघात झाल्यास त्याची सर्वस्वी जबाबदारी आपली राहिल कारखान्याची कोणतीही जबाबदारी राहणार नाही.
- ४) कामाच्या बिलाच्या एकूण ५% रक्कम रेग्युलर सिक्युरिटी डिपॉझीट म्हणून कपात करण्यात येईल. सदर सिक्युरिटी डिपॉझीट रक्कम १२ महिन्यांचा डिफेक्ट लायबिलिटी पिरियड संपल्यानंतर अदा केली जाईल.
- ५) सदर निविदा एस्टिमेट रक्कमेच्या उणे १०% पेक्षा कमी (उणे ५.५०%) असल्याने १०% कमी दरापर्यंत १% असे एकूण १% अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझीट रु. १०,०००/- रक्कमेचा भरणा करावा. अॅडीशनल परफॉर्मन्स सिक्युरिटी डिपॉझीट रक्कम भरणा केल्यानंतरच काम सुरु करण्यास परवानगी देण्यात येईल. सदरची रक्कम काम पूर्ण झाल्यानंतर कामाच्या अंतिम बिलासोबत अदा करण्यात येईल.
- ६) केंद्र व राज्य शासनाच्या कर विषयक धोरणानुसार वरील कामास लागू असलेला जी.एस.टी. आपणास स्वतंत्र अदा केला जाईल याकरीता जी.एस.टी.साठी विहित नमुन्यात बिल सादर करावे लागेल व जी.एस.टी.चा भरणा करून भरणा रिसीट कारखान्याकडे जमा करावी.

Bugh
30/07/2024



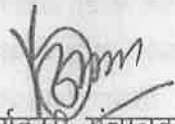
(REGD. NO.: P.N.A/A.G.N/P.R./G.(A) S-47/1994 DT.31/3/1994) **GSTIN : 27AAAAB0949G1Z7**

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- ७) कामासाठी लागणारे आवश्यक मटेरियल कारखाना स्टोअर्समध्ये उपलब्ध असल्यास कारखाना दराने देण्यात येईल व त्याची वसुली बिलातून करण्यात येईल.
- ८) कामाचे कालावधीत आपण लेखी स्वरूपात मागणी केल्यास कामाच्या आवश्यकतेनुसार डिझेल पंपावरून कारखान्याने ठरविलेल्या दराप्रमाणे उधारीने डिझेल देण्यात येईल व डिझेलची होणारी रक्कम बिलातून वसूल केली जाईल.
- ९) कामासाठी लागणारे पाणी व लाईटची सोय आपण स्वतः करावयाची आहे आहे.
- १०) आपलेकडे काम करणाऱ्या सर्व कामगारांच्या सुरक्षिततेच्या दृष्टीने आवश्यक असणारी साधने उदा. सेफ्टी बेल्ट, हेल्मेट, हॅड ग्लोज इ. वापरणे आपणास बंधनकारक आहे.
- ११) आपलेकडे काम करणाऱ्या सर्व मजुरांचा एम्प्लॉयमेंट कॉम्पेन्सेशन ॲक्टनुसार विमा घ्यावा लागेल व विमाकागदपत्रे सादर केल्यानंतरच काम सुरु करणेस परवानगी दिली जाईल.
- १२) करारनामा करणेसाठी रु.५००/- चा स्टॅप पेपर त्वरीत सादर करावा.

तरी आपण सिव्हील विभागाशी संपर्क साधून त्वरीत कामास सुरुवात करावी.


प्र. कार्यकारी संचालक

प्रत:- अकौंट / सिव्हील / मास्टर



वन परिक्षेत्र अधिकारी, मंचर(प्रा) यांचे कार्यालय

वगसावित्री उद्यान, अवसरी घाट तालुका आंबेगाव, जिल्हा पुणे

E- Mail rfomanchar@gmail.com



विषय - झाडांमधील अंतर प्रमाणित करून

मिळणेबाबत..

जा./क्र./संकिर्ण/ १७६८/२०१९ - २०

मंचर ४१०५०३ दिनांक - ०२/१३/२०१९

संदर्भ - भीमाशंकर सहकारी साखर कारखाना लि. दिनांक- २९/११/२०१९.

वरील विषयी वनपाल धामणी व वनरक्षक लाखनगाव यांनी भीमाशंकर सहकारी साखर कारखाना परिसरात व संभावताली १९.५३ हे.क्षेत्रात ६५०२ वृक्ष लागवड केलेल्या सोबत दर्शविलेल्या यादीतील फळझाडे इ.आंबा,नारळ,चिक्कू,जांभुळ,सीताफळ,आवळा,फणस इ.वृक्षामधील सरासरी अंतर ९ ते १० मी असून इतर प्रजातीतील ३ ते ४ मी. आहे.

तसेच शोभेच्या झाडातील अंतर २ ते ३ मी. आहे.लागवड केलेल्या वृक्षातील अंतर योग्य आहे.



(योगेश एस.महाजन)

वनपरिक्षेत्र अधिकारी

मंचर.

जाक्र/ताकृअ/ विस्तार/3६१५/२०१९
तालुका कृषि अधिकारी ,आंबेगाव)
(घोडेगाव) दि. २ /१२ /२०१९

प्रति ,
मा.कार्यकारी संचालक ,
भिमाशंकर सहकारी साखर कारखाना ,
पारगाव त.अवसरी बु .

विषय -- झांडामधील अंतर प्रमाणित करून मिळणेबाबत .

संदर्भ -- भिमाशंकर सहकारी साखर कारखाना पारगाव त.अवसरी बु यांचे कडील
पत्र जाक्र /शेतकरी /२३८९/१९ दिनांक २७/११/१९.

उपरोक्त संदर्भीय विषयान्वये कळविण्यात येते की , भिमाशंकर सहकारी साखर कारखाना
परिसरातील कार्यक्षेत्रामध्ये जास्तीत जास्त झाडे लावून परिसर हरीत करणेसाठी सोबत जोडलेल्या
यादीप्रमाणे १९.५३ हे.आर क्षेत्रात ६५०२ वृक्ष लागवड केलेबाबतचे सहपत्र प्राप्त झाले आहे.

सदर सहपत्राचे अवलोकन केले असता सोबतच्या दोन झाडांमधील अंतर संयुक्तीक असलेले
प्रमाणित करण्यात येत आहे.


तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव) जि.पुणे

भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर

पारगाव तर्फे अवसारी बु. ११., ता. आंबेगाव, जि. पुणे.

झाडांची नावे व अंतर तपशिल

अ.क्र.	झाडांची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (रक्वेअर मी.)	वृक्ष लागवड क्षेत्र (हे.आर)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
१	नारळ	१७०	०	०	१७०	५ X ५	२५	०.४३
२	आंबा	१९	१०५	५५	१७९	१० X १०	१००	१.७९
३	चिक्कु	५८	०	०	५८	९ X ९	८१	०.४७
४	आवळा	३	५	०	८	६ X ६	३६	०.०३
५	फणस	७	०	०	७	८ X ८	६४	०.०४
६	कागदी लिंबू	२२	०	०	२२	५ X ५	२५	०.०६
७	सिताफळ	१३९	०	०	१३९	४ X ४	१६	०.२२
८	पेरू	२९	०	०	२९	६ X ६	३६	०.१०
९	जांभुळ	२८	०	२५	५३	६ X ६	३६	०.१९
१०	चिंच	७	४०	६५०	६९७	८ X ८	६४	४.४६
११	डाळींब	५	०	०	५	४ X ४	१६	०.०१
१२	कौठ	६	०	०	६	६ X ६	३६	०.०२
१३	बोर	११	०	०	११	४ X ४	१६	०.०२
१४	गुलमोहर	२३	५०	०	७३	८ X ८	६४	०.४७
१५	रेनट्री	१६	११०	०	१२६	८ X ८	६४	०.८१
१६	बॉटल पाग	२४१	२२	५०	३१३	५ X ५	२५	०.७८
१७	फिलोशिया पाम	१४	३	०	१७	५ X ५	२५	०.०४
१८	सप्तपर्णी	५२	४८	०	१००	८ X ८	६४	०.६४
१९	पित्त मोहर	१७	५६	०	७३	८ X ८	६४	०.४७
२०	वड	१२०	६	०	१२६	१० X १०	१००	१.२६
२१	अर्जुन	२९	२०	०	४९	८ X ८	६४	०.३१
२२	सिल्वर ओक	६	०	०	६	५ X ५	२५	०.०२
२३	काशिद	३५	३५	१०५	१७५	८ X ८	६४	१.१२
२४	सिसम	१२५	२०	०	१४५	८ X ८	६४	०.९३
२५	पिंपळ	१७	०	०	१७	८ X ८	६४	०.११
२६	फायकस	०	५०	०	५०	४ X ४	१६	०.०८
२७	बांबू	१२	०	०	१२	४ X ४	१६	०.०२
२८	करंज	३३	०	९०	१२३	८ X ८	६४	०.७९
२९	बॉटल ब्रश	१९	०	०	१९	४ X ४	१६	०.०३
३०	कडूलिंब	२००	०	९५	२९५	६ X ६	३६	१.०६
३१	बदाम	३०	०	०	३०	६ X ६	३६	०.११
३२	सुरु	३१	०	०	३१	६ X ६	३६	०.११
३३	अशोक	९९	०	०	९९	४ X ४	१६	०.१६
३४	स्पॅथोडिया	६	०	०	६	८ X ८	६४	०.०४
३५	कांचन (आपटा)	३९	०	१००	१३९	८ X ८	६४	०.८९
३६	सोनचाफा	५	०	०	५	४ X ४	१६	०.०१
३७	पांढरा चाफा	२१	०	०	२१	४ X ४	१६	०.०३
३८	उंबर	११	०	०	११	८ X ८	६४	०.०७
३९	निलगिरी	३४	०	०	३४	३ X ३	९	०.०३
४०	रामफळ	१४	०	०	१४	५ X ५	२५	०.०४
४१	सुबाभळ	२१३	०	०	२१३	४ X ४	१६	०.३४
४२	शेवगा	१४	०	०	१४	३ X ३	९	०.०१
४३	अंजीर	२	०	०	२			
४४	पांगारा	३	०	०	३			
४५	चंदनी	७	०	०	७	४ X ४	१६	०.०१
४६	भेंडी	४	०	०	४	३ X ३	९	०.००
४७	बाभुळ	६४	०	०	६४	६ X ६	३६	०.२३
४८	भोकर	१	०	०	१			

अ.क्र.	झांडाची नावे	वृक्ष लागवड (संख्या)				प्रति वृक्ष आवश्यक अंतर (मी. X मी.)	प्रति वृक्ष (स्क्वेअर मी.)	वृक्ष लागवड क्षेत्र (हे.आर.)
		२०१७-१८ (पुर्वीची)	२०१८-१९	२०१९-२०	आज अखेर एकूण			
४९	पापई	८	०	०	८	३ X ३	९	०.०१
५०	बेल	३	०	०	३	६ X ६	३६	०.०१
५१	शेवरी	१२	०	०	१२	४ X ४	१६	०.०२
५२	देवदार	२७	०	०	२७	८ X ८	६४	०.१७
५३	हिमालया	२	०	०	२			
५४	बकवान	४	०	०	४			
५५	चेडुफळी	१	०	०	१			
५६	येहळा	२	०	०	२			
५७	पिचकारी	३६	०	०	३६	२ X २	४	०.०१
५८	सायर	५	०	०	५			
५९	करवंद	२	०	०	२			
६०	हिरडा	०	०	२५	२५	५ X ५	२५	०.०६
	एकूण	२१६३	५७०	११९५	३९२८			१९.१४
	बुशस							
६१	जास्वंद	२८	०	०	२८	२ X २	४	०.०१
६२	तगर पांढरा	७१	०	०	७१	२ X २	४	०.०३
६३	बोगन वेल	४०२	०	०	४०२	२ X २	४	०.१६
६४	मोरपंखी	१३	०	०	१३	२ X २	४	०.०१
६५	रातराणी	३	०	०	३			
६६	प्राजक्ता	२	०	०	२			
६७	खिसमस	२	०	०	२			
	एकूण	५२१	०	०	५२१			०.२१
	फुलझाडे/ शोभेची झाडे							
६८	गुलाब	८८	०	०	८८	२ X १.५	३	०.०३
६९	लिली	४३	०	०	४३	२ X १.५	३	०.०१
७०	क्रोटॉन	५०	०	०	५०	२ X १.५	३	०.०२
७१	गोल्डन डोरांटा	५३८	०	०	५३८	१.५ X १.५	०	०.००
७२	लॅन्टीना व्हेरीगेटेड	८५	०	०	८५	१.५ X १.५	२.२५	०.०२
७३	क्रिपरवडेलिया	१००	०	०	१००			
७४	हिमेलिया	६३	०	०	६३	१.५ X १.५	२.२५	०.०१
७५	मोगरा	१२	०	०	१२	१ X १	१	०.००
७६	आबोली	३	०	०	३			
७७	कॅलेंडरा	२१२	०	०	२१२	१ X १	१	०.०२
७८	अॅकॅलीफा	२३०	०	०	२३०	१ X १	१	०.०२
७९	डबल तगर	५८	०	०	५८	१ X १	१	०.०१
८०	अॅलॅमेंडा	४१	०	०	४१	१ X १	१	०.००
८१	साबर कांडी	३०	०	०	३०	१ X १	१	०.००
८२	रेबीन ग्रास	७५	०	०	७५	१ X १	१	०.०१
८३	मंकी ग्रास	२५	०	०	२५			
८४	केना	५०	०	०	५०			
८५	एक्यालिफा	३५०	०	०	३५०	१ X १	१	०.०४
	एकूण	२०५३	०	०	२०५३			०.१९
	एकूण एकंदर	४७३७	५७०	११९५	६५०२			१९.५३

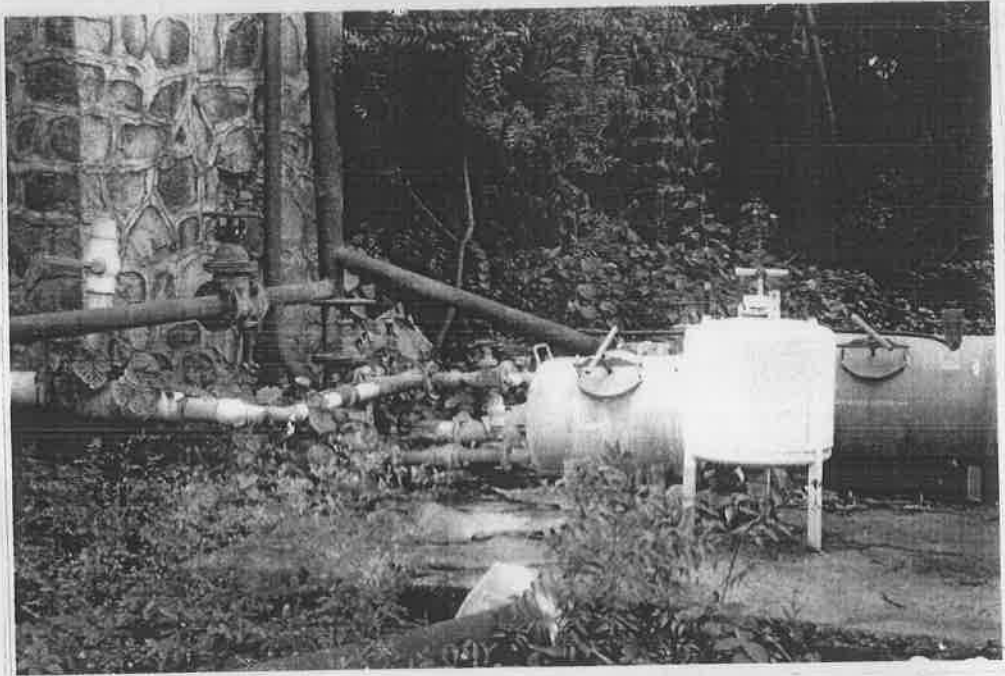
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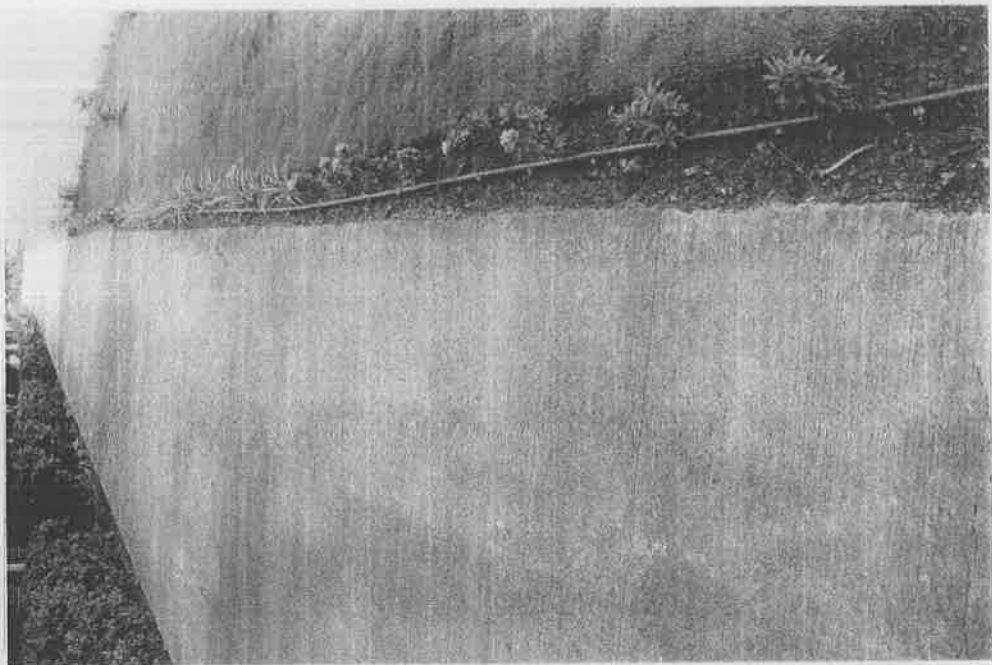
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कार्यकारी संचालक

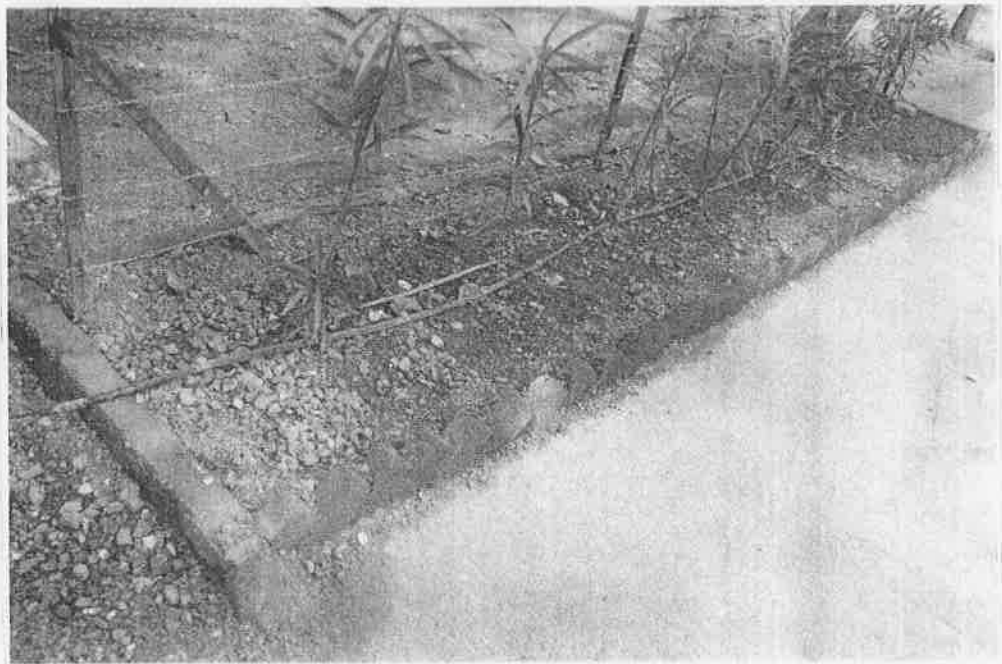
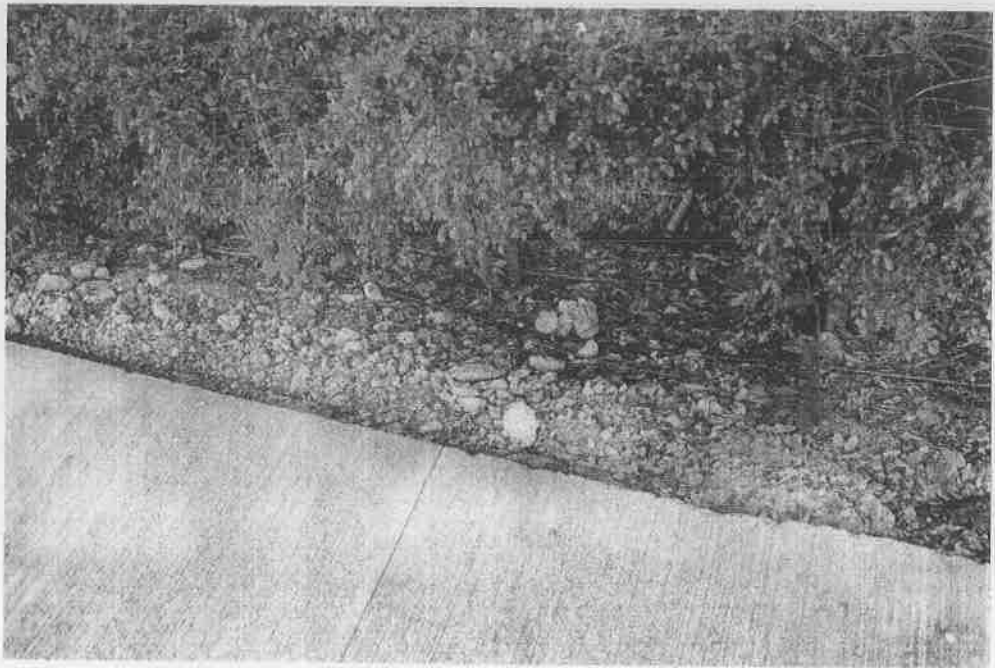
तालुका कृषि अधिकारी
आंबेगाव (घोडेगाव), जि.पुणे

Plantation & Drip Irrigation Photographs





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Area Statement of Bhimashankar

Sr. No.	Details	Area in Sq. M.	Avg Rainfall	Runoff Coeff	Total Water Collected	
1	Main Building and around shed	9883	849.32	0.8	6715.06365	9883
2	Godown 5 Nos.	14233	849.32	0.8	9670.69725	14233
3	English School	3266	849.32	0.8	2219.1033	
4	College Bldg	2500	849.32	0.8	1698.64	
5	Office Bldg	964	849.32	0.8	654.995584	964
6	Gust House & Rest Room	628.5	849.32	0.8	427.038096	628.5
7	Laboure Qurter (105 to 107)	512	849.32	0.8	347.881472	512
8	Laboure Qurter (114 to 118)	1966.28	849.32	0.8	1336.00074	1966.28
9	Laboure Qurter (114 to 118)	1295.4	849.32	0.8	880.167302	1295.4
10	Banglow Quarter (102 to 104)	621	849.32	0.8	421.942176	621
	Effective Catchment Area	35869.18	849.32	0.8	24371.5296	

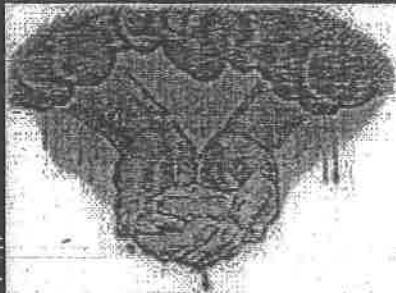
Name		Address		City	
1	John A. Smith	123 Main St.	Springfield	Mass.	01103
2	Robert L. Jones	456 Oak Ave.	Springfield	Mass.	01103
3	William H. Brown	789 Elm St.	Springfield	Mass.	01103
4	James M. Davis	101 Pine St.	Springfield	Mass.	01103
5	Charles E. Wilson	202 Cedar St.	Springfield	Mass.	01103
6	Thomas A. Moore	303 Birch St.	Springfield	Mass.	01103
7	Richard P. Taylor	404 Spruce St.	Springfield	Mass.	01103
8	Joseph K. White	505 Willow St.	Springfield	Mass.	01103
9	Franklin G. Black	606 Ash St.	Springfield	Mass.	01103
10	Harold J. Green	707 Hickory St.	Springfield	Mass.	01103
11	Donald L. King	808 Maple St.	Springfield	Mass.	01103
12	Edward R. Scott	909 Poplar St.	Springfield	Mass.	01103
13	George W. Adams	1010 Sycamore St.	Springfield	Mass.	01103
14	Henry B. Baker	1111 Chestnut St.	Springfield	Mass.	01103
15	Samuel C. Clark	1212 Walnut St.	Springfield	Mass.	01103
16	Benjamin F. Evans	1313 Elm St.	Springfield	Mass.	01103
17	William D. Hall	1414 Oak St.	Springfield	Mass.	01103
18	Robert E. Lewis	1515 Pine St.	Springfield	Mass.	01103
19	John F. Miller	1616 Cedar St.	Springfield	Mass.	01103
20	Charles G. Nelson	1717 Birch St.	Springfield	Mass.	01103
21	Thomas H. Phillips	1818 Spruce St.	Springfield	Mass.	01103
22	Richard I. Roberts	1919 Willow St.	Springfield	Mass.	01103
23	Joseph J. Turner	2020 Ash St.	Springfield	Mass.	01103
24	Franklin K. Walker	2121 Hickory St.	Springfield	Mass.	01103
25	Harold L. Young	2222 Maple St.	Springfield	Mass.	01103
26	Donald M. Ziegler	2323 Poplar St.	Springfield	Mass.	01103
27	Edward N. Bailey	2424 Sycamore St.	Springfield	Mass.	01103
28	George O. Carter	2525 Chestnut St.	Springfield	Mass.	01103
29	Henry P. Fisher	2626 Walnut St.	Springfield	Mass.	01103
30	Samuel Q. Grant	2727 Elm St.	Springfield	Mass.	01103
31	Benjamin R. Harris	2828 Oak St.	Springfield	Mass.	01103
32	William S. Jones	2929 Pine St.	Springfield	Mass.	01103
33	Robert T. King	3030 Cedar St.	Springfield	Mass.	01103
34	John U. Lewis	3131 Birch St.	Springfield	Mass.	01103
35	Charles V. Miller	3232 Spruce St.	Springfield	Mass.	01103
36	Thomas W. Nelson	3333 Willow St.	Springfield	Mass.	01103
37	Richard X. Phillips	3434 Ash St.	Springfield	Mass.	01103
38	Joseph Y. Roberts	3535 Hickory St.	Springfield	Mass.	01103
39	Franklin Z. Walker	3636 Maple St.	Springfield	Mass.	01103
40	Harold A. Young	3737 Poplar St.	Springfield	Mass.	01103
41	Donald B. Ziegler	3838 Sycamore St.	Springfield	Mass.	01103
42	Edward C. Bailey	3939 Chestnut St.	Springfield	Mass.	01103
43	George D. Carter	4040 Walnut St.	Springfield	Mass.	01103
44	Henry E. Fisher	4141 Elm St.	Springfield	Mass.	01103
45	Samuel F. Grant	4242 Oak St.	Springfield	Mass.	01103
46	Benjamin G. Harris	4343 Pine St.	Springfield	Mass.	01103
47	William H. Jones	4444 Cedar St.	Springfield	Mass.	01103
48	Robert I. King	4545 Birch St.	Springfield	Mass.	01103
49	John J. Lewis	4646 Spruce St.	Springfield	Mass.	01103
50	Charles K. Miller	4747 Willow St.	Springfield	Mass.	01103
51	Thomas L. Nelson	4848 Ash St.	Springfield	Mass.	01103
52	Richard M. Phillips	4949 Hickory St.	Springfield	Mass.	01103
53	Joseph N. Roberts	5050 Maple St.	Springfield	Mass.	01103
54	Franklin O. Walker	5151 Poplar St.	Springfield	Mass.	01103
55	Harold P. Young	5252 Sycamore St.	Springfield	Mass.	01103
56	Donald Q. Ziegler	5353 Chestnut St.	Springfield	Mass.	01103
57	Edward R. Bailey	5454 Walnut St.	Springfield	Mass.	01103
58	George S. Carter	5555 Elm St.	Springfield	Mass.	01103
59	Henry T. Fisher	5656 Oak St.	Springfield	Mass.	01103
60	Samuel U. Grant	5757 Pine St.	Springfield	Mass.	01103
61	Benjamin V. Harris	5858 Cedar St.	Springfield	Mass.	01103
62	William W. Jones	5959 Birch St.	Springfield	Mass.	01103
63	Robert X. King	6060 Spruce St.	Springfield	Mass.	01103
64	John Y. Lewis	6161 Willow St.	Springfield	Mass.	01103
65	Charles Z. Miller	6262 Ash St.	Springfield	Mass.	01103
66	Thomas A. Nelson	6363 Hickory St.	Springfield	Mass.	01103
67	Richard B. Phillips	6464 Maple St.	Springfield	Mass.	01103
68	Joseph C. Roberts	6565 Poplar St.	Springfield	Mass.	01103
69	Franklin D. Walker	6666 Sycamore St.	Springfield	Mass.	01103
70	Harold E. Young	6767 Chestnut St.	Springfield	Mass.	01103
71	Donald F. Ziegler	6868 Walnut St.	Springfield	Mass.	01103
72	Edward G. Bailey	6969 Elm St.	Springfield	Mass.	01103
73	George H. Carter	7070 Oak St.	Springfield	Mass.	01103
74	Henry I. Fisher	7171 Pine St.	Springfield	Mass.	01103
75	Samuel J. Grant	7272 Cedar St.	Springfield	Mass.	01103
76	Benjamin K. Harris	7373 Birch St.	Springfield	Mass.	01103
77	William L. Jones	7474 Spruce St.	Springfield	Mass.	01103
78	Robert M. King	7575 Willow St.	Springfield	Mass.	01103
79	John N. Lewis	7676 Ash St.	Springfield	Mass.	01103
80	Charles O. Miller	7777 Hickory St.	Springfield	Mass.	01103
81	Thomas P. Nelson	7878 Maple St.	Springfield	Mass.	01103
82	Richard Q. Phillips	7979 Poplar St.	Springfield	Mass.	01103
83	Joseph R. Roberts	8080 Sycamore St.	Springfield	Mass.	01103
84	Franklin S. Walker	8181 Chestnut St.	Springfield	Mass.	01103
85	Harold T. Young	8282 Walnut St.	Springfield	Mass.	01103
86	Donald U. Ziegler	8383 Elm St.	Springfield	Mass.	01103
87	Edward V. Bailey	8484 Oak St.	Springfield	Mass.	01103
88	George W. Carter	8585 Pine St.	Springfield	Mass.	01103
89	Henry X. Fisher	8686 Cedar St.	Springfield	Mass.	01103
90	Samuel Y. Grant	8787 Birch St.	Springfield	Mass.	01103
91	Benjamin Z. Harris	8888 Spruce St.	Springfield	Mass.	01103
92	William A. Jones	8989 Willow St.	Springfield	Mass.	01103
93	Robert B. King	9090 Ash St.	Springfield	Mass.	01103
94	John C. Lewis	9191 Hickory St.	Springfield	Mass.	01103
95	Charles D. Miller	9292 Maple St.	Springfield	Mass.	01103
96	Thomas E. Nelson	9393 Poplar St.	Springfield	Mass.	01103
97	Richard F. Phillips	9494 Sycamore St.	Springfield	Mass.	01103
98	Joseph G. Roberts	9595 Chestnut St.	Springfield	Mass.	01103
99	Franklin H. Walker	9696 Walnut St.	Springfield	Mass.	01103
100	Harold I. Young	9797 Elm St.	Springfield	Mass.	01103

**RAIN WATER HARVESTING
FEASIBILITY REPORT
FOR**

**Project
BHIMASHANKAR SUGAR
FACTORY**

**At
DATTATRAY NAGAR, PARGAON, PUNE**

By



M/S. RAINBOW GROUP

ADD: NEAR BALAJI LAW COLLEGE,

A/P- TATHWADE, PUNE

PH. NO. 020/65000337,

AIM OF THE PROJECT

- To implement 'Rain Water harvesting' to store and recharge water to achieve maximum self-sufficiency.
- To recharge excess water in the ground in methodical way to improve 'ground water table'.
- To recharge, reuse and recycle water in every possible way and achieve minimum water discharge to take care of natural resource.
- To plan all 'water management' in sustainable way without disturbing the natural balance.

1. TITLE OF THE PROJECT : - A Project report on Rain water harvesting at Industrial Project
"Bhimashankar Sugar Factory, Dattatray Nagar, Pargaon, Pune

2. SUBMITTED BY :- **M/s. RAINBOW GROUP**

S. No. 1/1/1, Near Balaji law College,

Ravet-Aundh BRT Road, Tathwade, Pune – 411033

Phone: 020-65000337

E-mail: Rainbow.rainwaterharvesting@gmail.com

Web: www.rainbowgroup.org.in

3. F. INFALL PATTERN:-

The normal annual rainfall over the district varies from about 468 mm to 4659 mm. It is minimum in the eastern part of the district around Daund (468 mm), Baramali (486 mm) and Jujuri (494 mm). This increases towards west and reaches a maximum around Khandala (4659 mm) in the western ghat. The Chances of receiving normal rainfall are maximum (50 to 55%) in eastern part around Indapur and Daund, in the central part around Pune city and small area around Junnar in northern part of the district. Rainfall analysis also indicates occurrence of drought prone area in eastern, southern, south-eastern, central and north western part around Indapur, Baramati, Jujuri, Daund, Talegaon, Damdhare ,Alandi, Shirur and Bhore covering about 50% area of the district. Taluka wise average annual rainfall for the period 2003 to 2012 ranges from about 474 mm (Daund) to 2668 mm (Velhe)

Table-3 Annual Rainfall Data for Year 2003-2012 (Rainfall in mm)

Taluka	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Decadal Average
Pune City	335.3	652.4	1239.5	1246	779.44	689.29	909.7	1169	979.9	492.7	849.32
Haveli	452.2	890.6	1250.36	1247.5	859.04	706.09	938.3	1147.8	979.6	505.4	897.67
Mulshi	1251	1878	2875.8	2804	1834	1602	1836.7	1592	1792	1438	1890.35
Bhor	712	1380.1	1714	1762	1429.4	998	1213	1121	1128.3	833	1229.18
Maval	1026	1466	2561	2252	1442.6	1399.5	1364.8	1168	1482	1013	1571.14
Velhe	1420	2054.4	3320.6	3997	3283	2409	1405	2043	2695.1	2070.4	2667.7
Junnar	648.2	771.8	1344.4	1237	880	747.4	706	862.3	769	557.1	852.32
Khed	386.2	775	973.1	1461.1	756.5	692.66	639.6	1018.4	637.7	436.2	777.65
Ambegaon	421.8	735.1	1025	1338.3	830.9	735	732.3	823.4	836	616.6	809.44
Shirur	266	374	460	760	574	492	859.6	849.5	441.8	321	549.69
Baramati	113.2	521	711	567	522	454	738.8	804.6	291	235	505.76
Indapur	163.3	651.9	696.1	668	640.3	345.4	932.4	805.8	399	250.6	555.28
Daund	156.3	522	742.2	594	604.85	326.7	474.3	639.3	347.6	337.4	474.46
Purandhar	215	710	1158	1476	519	497	806	602	609.4	371	696.34
District Average	540.46	995.87	1647.9	1529.2	1081	814.62	968.3	1046.1	956.38	676.9	

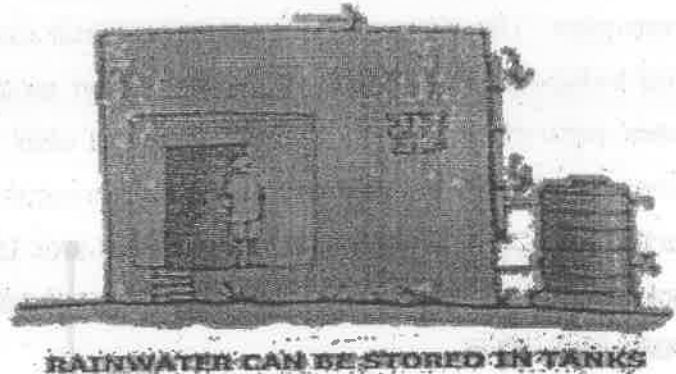
4. METHODS OF RAIN WATER HARVESTING –

Rain water harvesting can be done by two methods –

1) Direct storage method

a. In closed / Underground tank

In direct storage method, the roof water will flow from down take pipe through sand filters. Sand filters to be installed on every down take pipe, and then will flow to the storage tank. Though it is costly preposition we can store some part of volume of water by this method. We can store some water in underground tank and some part can be utilized for Ground Water Recharge.

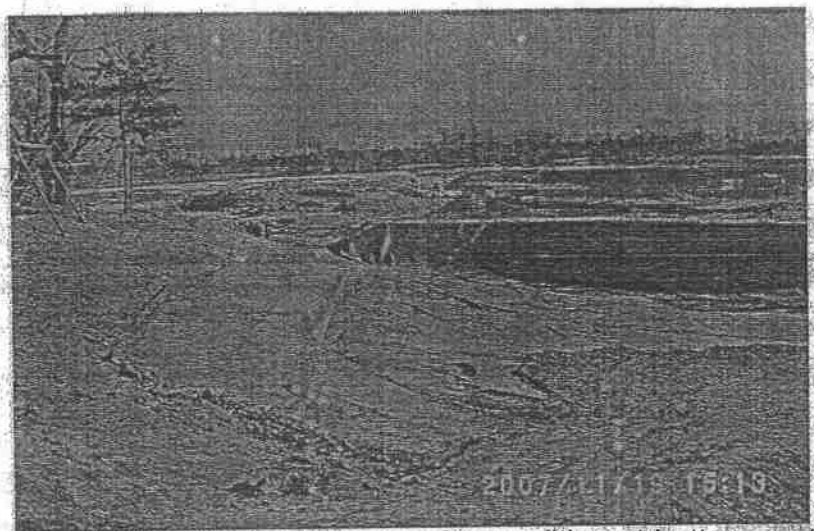


b. Percolation pond -

Developing percolation pond is another important method of Rain Water Harvesting.

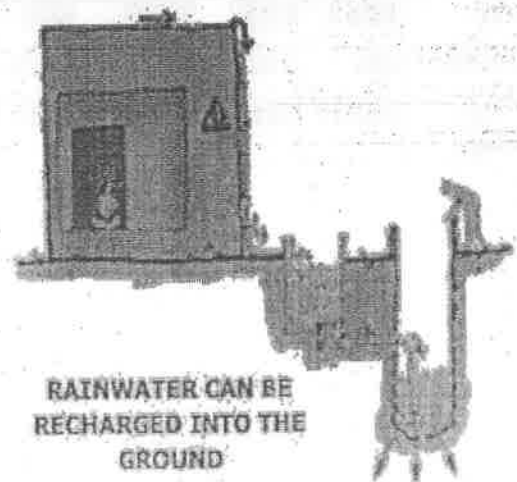
Percolation pond can be prepared by bare stone pitching /using HDPE sheets. Laying HDPE sheets will require murum filling underneath.

However if we want to recharge maximum water in the ground, we do not propose HDPE sheet layer in the percolation pond. So more & more water will seep in & after maximum silting at bottom, water will get stored.



2) Ground water recharge

Another method is using roof water and Storm water for ground water recharge. In that case the roof water can



be filtered through sand filters but storm water needs Desilting chamber and auxiliary bore wells or recharge pit. The storm water can be collected through channel and gutters according to the existing topography. The physical, chemical and biological contamination can be taken care by desilting chamber. This water can be used for ground water recharge by putting it in auxiliary bore well. By this the ground water table will improve substantially along with water table of the area. We can also use soak away pits, infiltration trenches, oil & grit separators to purify water. This is comparatively cheaper option.

Rainwater harvesting Calculation

Rainwater Collected before development

$$\text{Total terrace Area} = 35869.18 \text{ Sq. M. (Appo.)}$$

$$= 35869.18 \times 849.32 \times 0.3$$

$$= 9126.07 \text{ Cum per year}$$

$$= 182.52 \text{ Cum Per Day}$$

We consider the 50 day of rainy season in one year

Rainwater Collected after development

$$1. \text{ Total Terrace area (A)} \quad - 35869.18 \text{ Sq. M.}$$

$$2. \text{ Average Rainfall in Pune (I)} \quad - 849.26 \text{ MM}$$

(Ref: Ground water information)

$$3. \text{ Runoff Coefficient Factor for hard Space (F)} \quad - 0.8$$

Surface water collected by rainwater will be

$$= \text{Area in Sq. M.} \times \text{Average Rainfall} \times \text{Runoff Coefficient}$$

$$= A \times I \times F$$

$$= 35869.18 \times 849.26 \times 0.8$$

$$= 24369.80 \text{ Cum per year}$$

$$= 487.39 \text{ cum per day}$$

We consider the 50 day of rainy season in one year

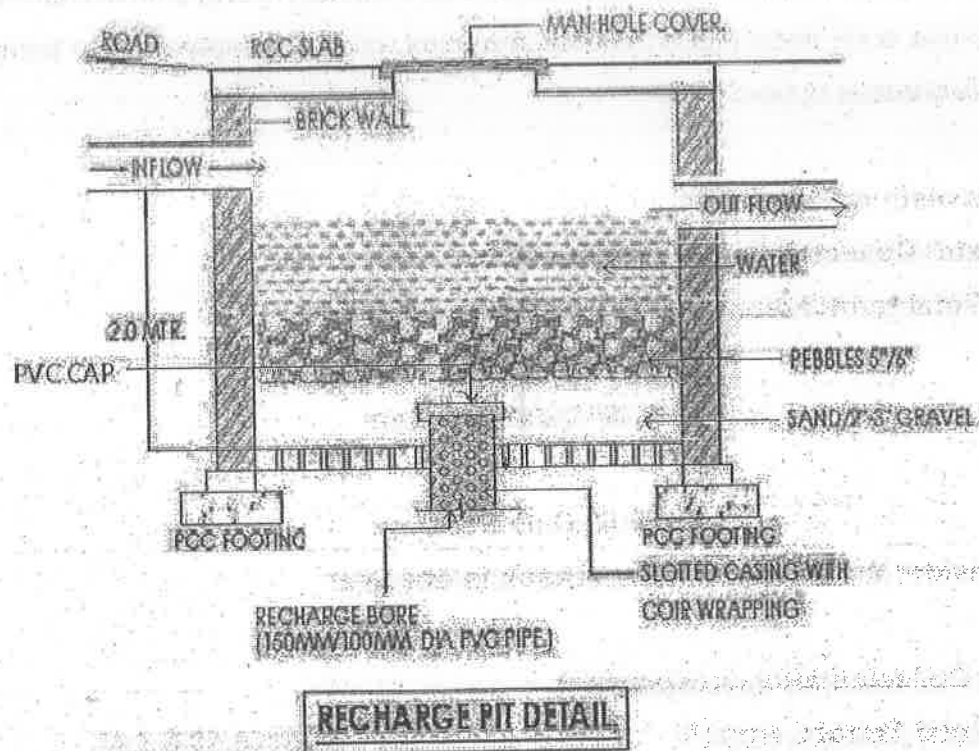
Surplus Water will be calculated

$$\text{Total Surplus water} = \text{Rainwater After Development} - \text{Rainwater Before Development}$$

$$= 487.39 - 182.52$$

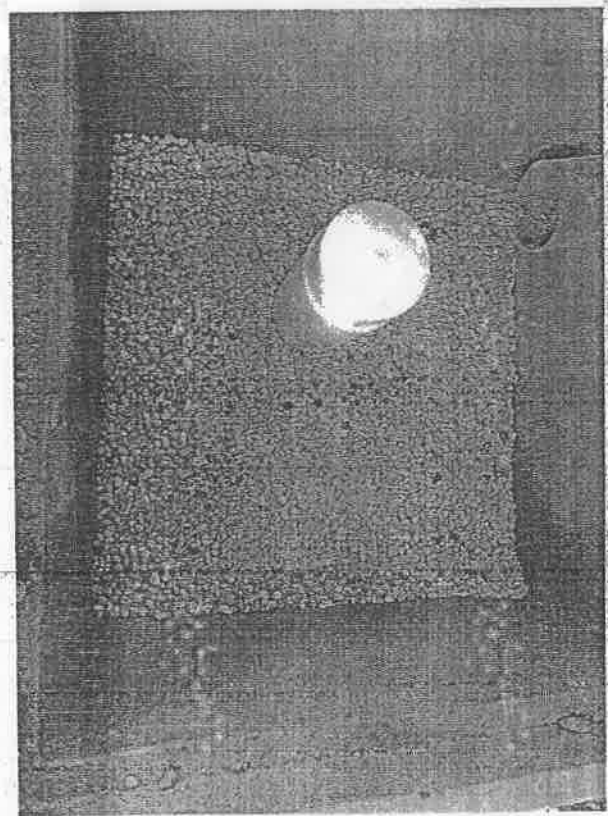
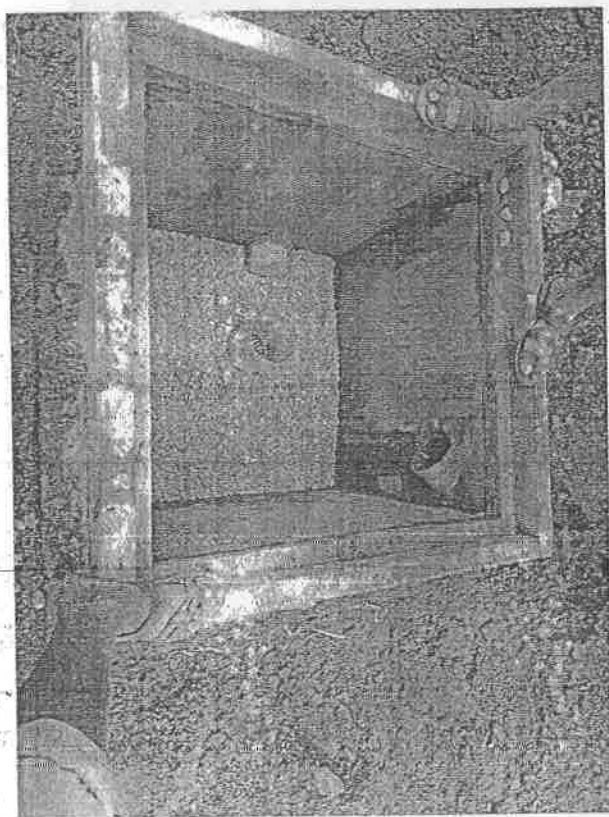
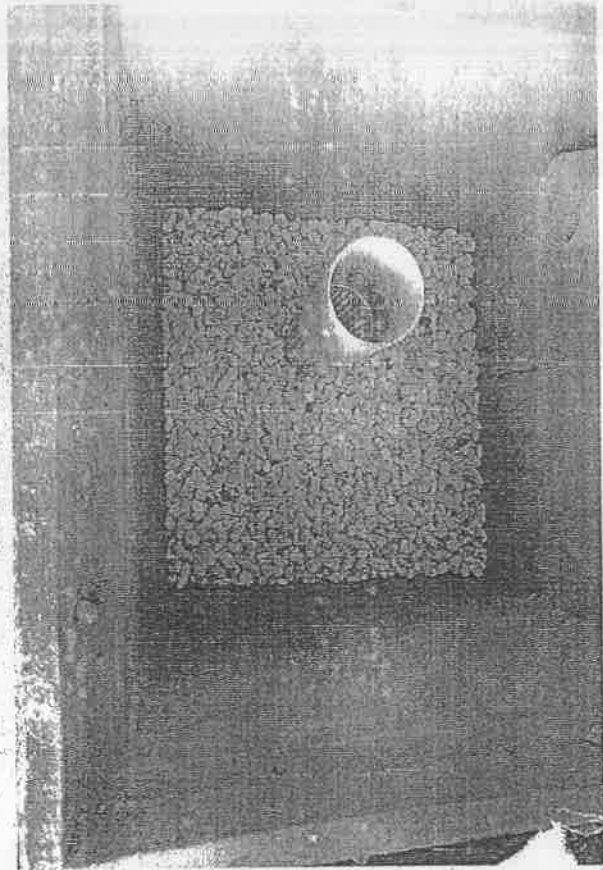
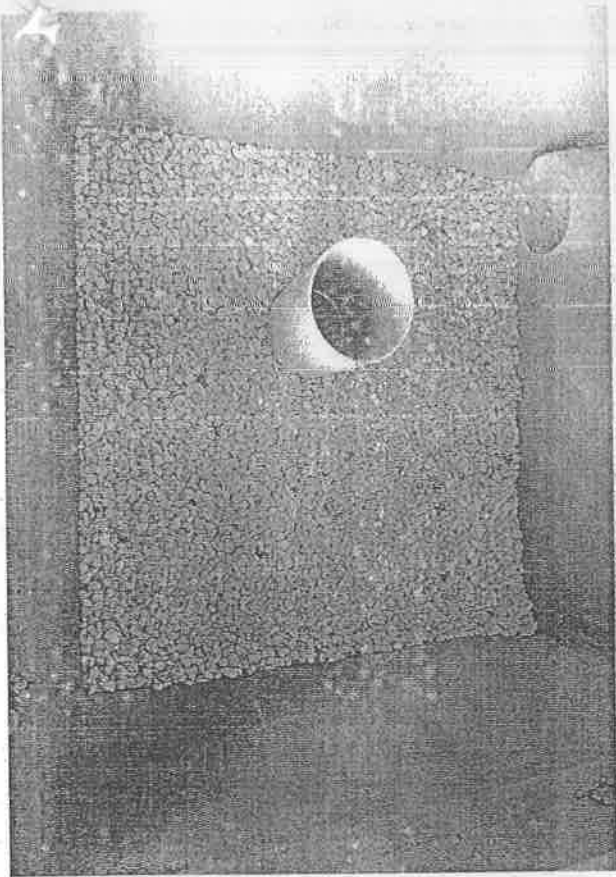
$$= 304.87 \text{ Cum Per Day}$$

Recharge pits – Drawing of recharge pit

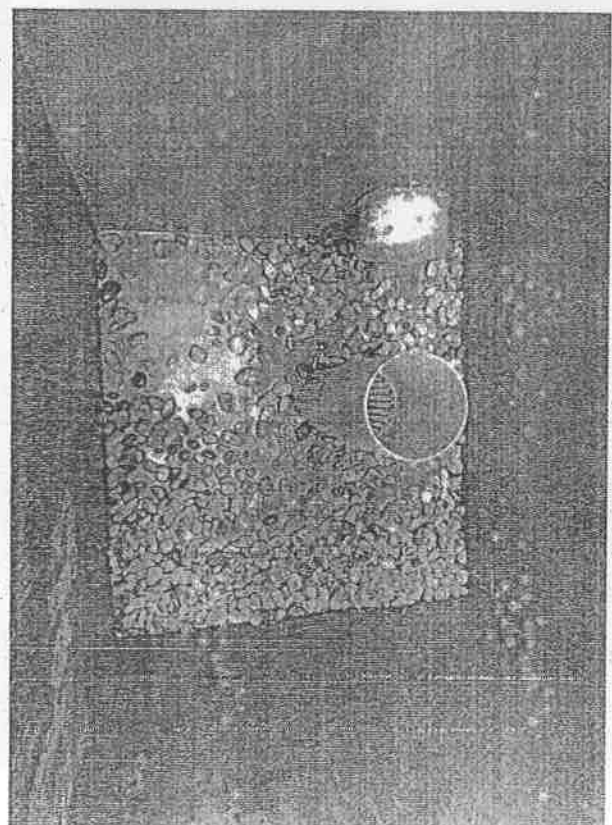
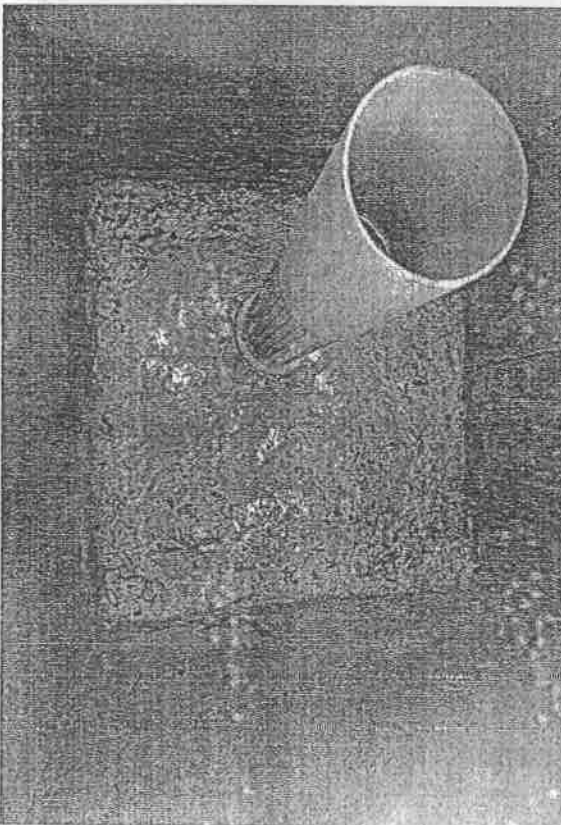
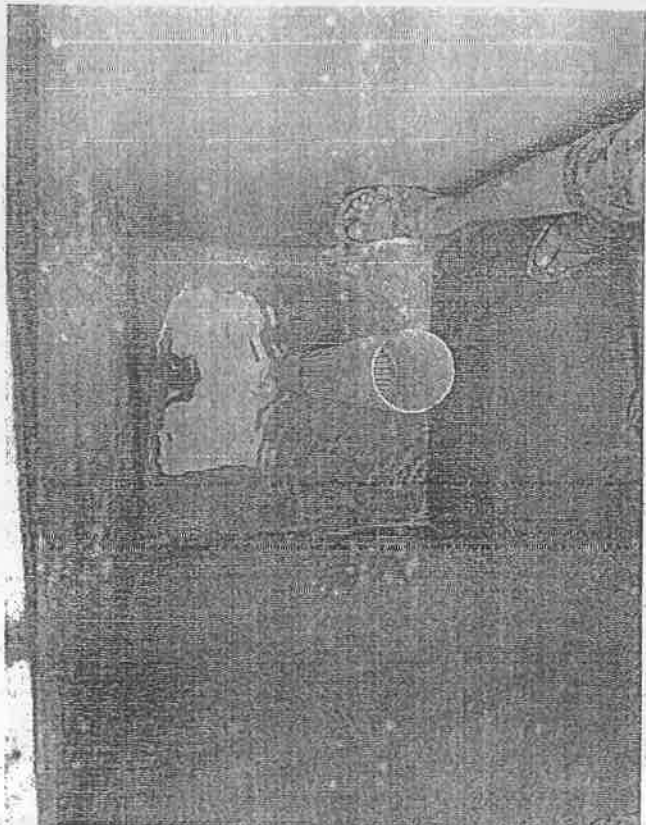
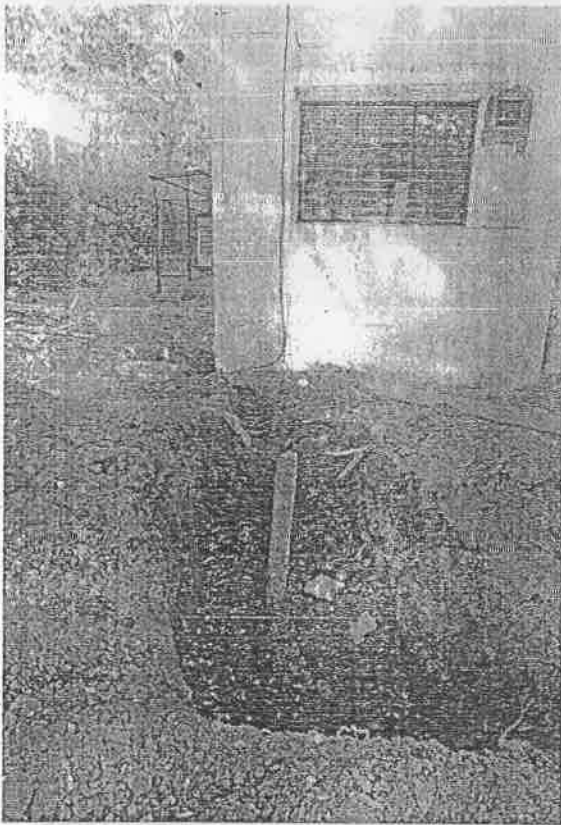


We are recharge with 2m x 2m in which Vee –Wire screen filter installed from this filtration will recharge water in to percolation borewell.

Vee wire screen filter is having filtration in micron level, also its used for rainwater harvesting purpose.



Actual Photos of Rainwater Harvesting



WAL N 2231

Date 15/6/2022



Phone : (020) 26902100 - 30 lines
Fax : (020) 26902244
E-mail : admin@vssugar.org.in
Web site : www.vssugar.com



VASANTDADA SUGAR INSTITUTE

Manjari (Bk.) Tal. : Haveli, Dist. : Pune - 412 307, Maharashtra, India.

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Thorat
15/6/2022

Dr. Preeti Deshmukh
Head, Soil Science Section

Ref.No.VSI/AGRI/SS/PC/2708/2022-23

Date: 15th June 2022

E-Mail : bsskltd@gmail.com

To,
The Managing Director
Bhimashankar SSK Ltd, Dattatrayanagar,
Pargaon Via Awasari(Bk) Tal.Ambegaon,
Dist.Pune 412406

Sub.: Regarding ETP sludge analysis.
Ref.: Bhimashankar /shetki/670/2022-23 dt.3/6/2022

Dear Sir,

As desired by you, we have analyzed the sample of ETP Sludge. Analysis report for the same is enclosed herewith.

Thanking you,

Yours faithfully,

Pashmukh

(Preeti Deshmukh)

Encl. Analysis report

Reply to be sent on the name of Institute and not on individual's name.



VASANTADADA SUGAR INSTITUTE

CONTINUATION SHEET

This test report pertains only to the samples actually tested at VSI laboratory in the presented condition based on the documents/sample submitted by the customer.

Ref.No.VSI/AGRI/SS/PC/2708 /2022-23

Date: 15th June 2022

Analysis Report

Name of the Sample : ETP Sludge Sample

Ref.: Bhimashankar /shefki/670/2022-23 dt.3/6/2022

Sr.No.	Parameters	Result
1.	pH	7.08
2.	Electrical Conductivity ds/m	3.67
3.	Organic Carbon, % by wt.	15.00
4.	Total Nitrogen, % by wt.	2.34
5.	Phosphate (as P ₂ O ₅), % by wt.	2.30
6.	Potassium (as K ₂ O), % by wt.	0.32
7.	Magnesium (as Mg), % by wt.	0.28
8.	Calcium (as Ca), % by wt.	7.46
9.	Boron(asB), % by wt.	ND
10.	Sulphur (as SO ₄), % by wt.	3.42
11.	Copper (as Cu) mg/kg	101.6
12.	Moisture %	0.55
13.	Fe % by wt.	5.09
14.	Mn (mg/kg)	401
15.	Zn (mg/kg)	149.6
16.	Cd (mg/kg)	ND
17.	Cr (mg/kg)	816
18.	Ni (mg/kg)	112.2
19.	Pb (mg/kg)	89.2

ND: Not detected


(S.K.Sable)
Scientist



AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Central Pollution Control Board, M/o Environment, Forest & Climate Change, Govt. of India
- ISO 9001: 2015 Certified Organization
- ISO 45001: 2018 Certified Organization

ANALYSIS REPORT FOR AMBIENT AIR QUALITY MONITORING		Page 1 of 1	
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk., Tal. - Ambegaon, Dist. - Pune-412 406		Report No	AL/TR/85-074/2024-25
		Report Date	07/01/2025
		Sampling Date	AL/9-312/06/2024-25
		Sampling Date	30/12/2024
Sample Location	Bagasse Yard {Fugitive Sample}	Sampling Time	01:50 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	METHOD
1.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	73.60	IS:5182(Part-23):RA 2022
2.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	30.50	IS:5182(Part-24):RA-2024

Details of equipment used and its Calibration Certificate			
Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-06	2464574	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025

REMARK, OPINION & INTERPRITATION-
❖ BDL-Below Detectable Limit.

Mamohite.

Verified by
(Analyst)

Cipha
Authorized Signatory

End of test report.



AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Central Pollution Control Board, M/o Environment, Forest & Climate Change, Govt. of India
- ISO 9001 - 2015 Certified Organization
- ISO 15001 - 2018 Certified Organization

ANALYSIS REPORT FOR FUGITIVE EMISSION AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:-		Report No	AL/TR/85-953/2024-25
M/s. Bhuma Shankar Sahakari Sakhar Karkhana Ltd.		Report Date	22/02/2025
Dattatraynagar, Pargaon,		Sampling Date	Al/9-405/06/2024-25
Village Awasari Bk., Tal. - Ambegaon, Dist. - Pune 412 406		Sampling Date	30/01/2025
Sample Location	Near Bagasse Yard (Fugitive Sample)	Sampling Time	02:40 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	METHOD
1.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	70.40	IS:5182(Part-23):RA 2022
2.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	29.50	IS:5182(Part-24):RA-2024

Details of equipment used and its Calibration Certificate			
Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-08	2464576	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025

REMARK, OPINION & INTERPRITATION-
❖ BDL-Below Detectable Limit.

Mamchite
Verified by
(Analyst)

Cipul
Authorized Signatory

End of test report...



AKANKSHA ANALYTICAL & RESEARCH LAB

- Recognized by Central Pollution Control Board, M/o Environment, Forest & Climate Change, Govt. of India
- ISO 9001:2015 Certified Organization
- ISO 45001:2018 Certified Organization

ANALYSIS REPORT FOR FUGITIVE EMISSION AIR QUALITY MONITORING			Page 1 of 1
NAME OF COMPANY:- M/s. Bhima Shankar Sahakari Sakhar Karkhana Ltd. Dattatraynagar, Pargaon, Village-Awasari Bk, Tal. - Ambegaon, Dist - Pune-412 406		Report No	AL/TR/86-589/2024-25
		Report Date	28/03/2025
		Sampling Date	AL/9-457/06/2024-25
		Sampling Date	20/03/2025
Sample Location	Near Bagasse Yard {Fugitive Sample}	Sampling Time	12:45 PM
Sample Collected By	AARL	Time duration	08 Hr

SR.NO.	PARAMETER	UNIT	RESULT	METHOD
1.	Particulate matter-PM ₁₀ (less than 10 micron)	µg/m ³	72.20	IS:5182(Part-23)RA 2022
2.	Particulate matter-PM _{2.5} (less than 2.5 micron)	µg/m ³	28.60	IS:5182(Part-24):RA-2024

Details of equipment used and its Calibration Certificate			
Name of Equipment	Lab ID No.	Calibration Certificate No.	Validity
Ambient Air Quality Machine	AK-AAQ-03	2464571	29/07/2025
Digital Weighing Balance	AL-DWB-01	2024/67983/01	25/06/2025

REMARK, OPINION & INTERPRETATION
❖ BDL-Below Detectable Limit.

M. Mohite

Verified by
(Analyst)

Cipul
Authorized Signatory

...End of test report...

150



महाराष्ट्र शासन

औद्योगिक सुरक्षा व आरोग्य संचालनालय (कामगार विभाग)

परवाना क्रं. १८१५३

नमूना क्रमांक ४

(नियम ६ व ८ पाहणे)

कारखान्याची नोंदणी व कारखाना चालविण्याचा संबंधीचा परवाना

नोंदणी क्रमांक : १२२१०१०७२१००६४६



कारखाने अधिनियम, १९४८ आणि त्यासंबंधी असलेले नियम यांच्या तरतुदीप्रमाणे भीमाशंकर सहकारी साखर कारखाना लीमीटेड यांना खाली वर्णन केलेल्या जागेत कारखाना चालविण्यास परवाना देण्यात आला आहे.

या परवान्यान्वये या जागेत कोणत्याही एका दिवशी १००० पर्यंत कामगार लावण्यास आणि २००० पेक्षा जास्त अश्वशक्ति उपयोगात आणण्यास परवानगी आहे.

या परवान्याची मुदत ३१ डिसेंबर २०२५ पर्यंत आहे.

Digitally Signed by
SHARADA HONDULE
Date: 2024-11-06 2:17:59 PM

शुल्क रु. - १५४३५३.६० पोहोचले

दिनांक : ०६-११-२०२४

Signature valid



अपर संचालक
औद्योगिक सुरक्षा व आरोग्य,
महाराष्ट्र राज्य, पुणे ३

परवाना दिलेल्या जागेचे वर्णन

परवाना दिलेल्या कारखान्याचे

Factory Name :

भीमाशंकर सहकारी साखर कारखाना लीमीटेड

BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD

पत्ता :

भीमाशंकर एस.एस.के. लीमीटेड, ADMINISTRATIVE BUILDING, मंचर

Address :

शिरूर रोड, दत्तात्रय नगर, दत्तात्रय नगर, आंबेगाव, पुणे, महाराष्ट्र, ४१२४०६

BHIMASHANKAR S.S.K LTD, ADMINISTRATIVE BUILDING, MANCHAR SHIRUR ROAD, DATTATRAY NAGAR, DATTATRAY NAGAR, Ambegaon, Pune, MAHARASHTRA, 412406

कलम :

२(m)(i)

औद्योगिक वर्गीकरण :

१०७२१

कारखान्याच्या इमारतीचे नकाशे दिनांक २९.०६.२०२२ च्या जावक क्रमांक PLN/४७७/१५/SLC/RRV/७७५६/१५ खाली मंजूर केले गेले आहेत.

This Certificate is digitally signed by on. 06-11-2024

टिप : हा कारखान्याची नोंदणी व कारखाना चालविण्याचा परवाना आहे. हा परवाना देण्यात आल्यामुळे ज्या जागेत हा कारखाना स्थित आहे, त्या जागेस कोणतीही वैधता आपोआप बहाल होत नाही तसेच ज्या जागेत हा कारखाना स्थित आहे ती जागा आज दिनांक वेळेस अस्तित्वात असल्या संबंधात या परवान्यामुळे कोणताही हक्क व स्वामित्व सदरहू भोगवटदारास प्राप्त होत नाही

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पुष्पबगरी २६/१०/२०२२



भीमाशंकर सहकारी साखर कारखाना लि.

दत्तात्रयनगर, पारगाव तर्फे अवसरी बु. ता. आंबेगाव, जि. पुणे ४११४०६
दो.क्र. १९७५५६८१३०, ८८८८८४६२९० ई-मेल - bsskltd@gmail.com

जाहीर सुचना

राज्यस्तरीय पर्यावरण प्रभाव मुल्यांकन समिती, महाराष्ट्र राज्य, पर्यावरण विभाग, खोली क्र. २१७, दुसरा मजला, मंत्रालय, मुंबई यांच्याकडून भीमाशंकर सहकारी साखर कारखाना लि., दत्तात्रयनगर, पारगाव तर्फे अवसरी बु., ता. आंबेगाव, जि. पुणे यास प्रस्तावित १९ ते २९ मेगावॅट को-जनरेशन प्रकल्पास SIA / MH / THE / ७००६४ / २०११ दि. २१/०४/२०२२ या पत्रान्वये पर्यावरण विषयक परवानगी देण्यात आली आहे.

सदर पर्यावरण मंजूरी पत्राची प्रत महाराष्ट्र प्रदूषण नियंत्रण मंडळे यांच्या कार्यालयामध्ये तसेच वेबसाईट <http://parivesh.nic.in> वेबे उपलब्ध आहे.

कार्यकारी संचालक

FINANCIAL EXPRESS

TUESDAY, APRIL 26, 2022

BHIMASHANKAR SAHAKARI SAKHAR KARKHANA LTD.

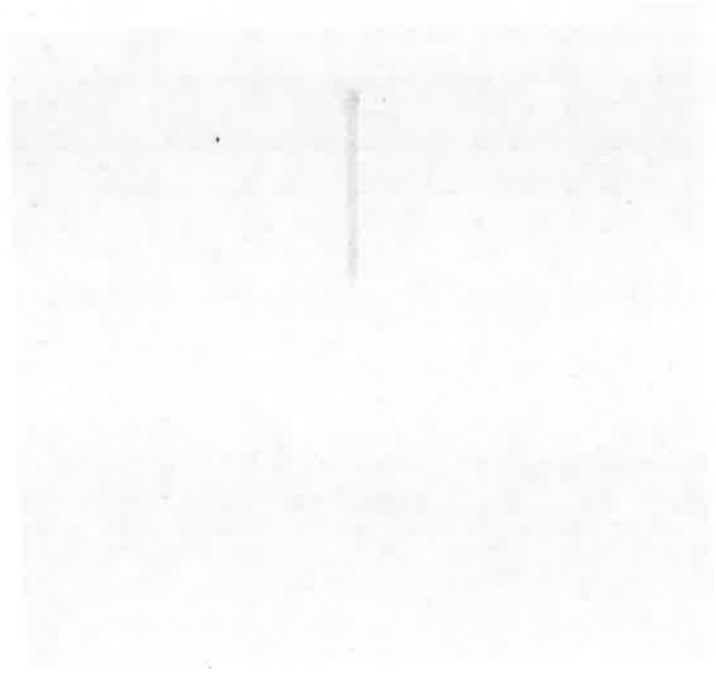
Dattatraynagar, Parganah Via Awasari Bk. Tal - Ambegaon, Dist - Pune
Mobile No. 9975568130, 8868846990, E-Mail - bsskltd@gmail.com

PUBLIC NOTICE

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY (SEIAA) Maharashtra Environment Department, Room
No. 217, 2nd floor, Chhatrapati Shivaji Maharaj Bhawan, Mumbai 400032 has accorded
Environment Clearance No. SA/MH/TH/0064/2011 dated
25/04/2022 for the Proposed 19 to 29 MW Bagasse based Co-
Generation Project at Dattatraynagar, Parganah Jarte Awasari Bk. Tal.
Ambegaon, Dist. Pune of M/s. Bhimashankar Sahakari Sakhar
Karkhana Ltd.

Copy of Environment Clearance is available in Maharashtra
Pollution Control Board office and available on Website
<http://parivesh.mca.gov>

Managing Director





पर्यावरण विभाग

Marathi

English

Marathi

आमच्या विषयी

विभाग

यश

उत्पादने

आमाजिक उपक्रम

गॅलरी

करीयर

अहवाल

निविदा

शेतकरी पोर्टल

ऊस विकास उपक्रम

स्वतंत्र ऊस विकास विंग

VSI आणि CSRC Padegaon पासून सुधारित ऊस बियाणे वाण पुरवठा देखील शेतक-यांना वाजवी दर शेतीसाठी लागणारे साहित्य म्हणजे रासायनिक खते, कीटकनाशके कीटकनाशक पुरवठा.

तसेच माती आणि पाणी परीक्षण प्रयोगशाळा सुसज्ज.

29 MW EC Com.1st Jun 2024 to 31st Dec 2024

6000 TCD EC Com.Dt.01st Jun 2024 to 31st Dec 2024

45to95 KLPD Dist.EC Com 1st Jun 2024 to 31 st Dec 2024

Environmnet Statement 2023-24

19 to 29 MW Co-Gen EC Com.(1st Jan 24 to30 June 24)

2500 to 6000 TCD Sugar EC Com (1st Jan 24 to 30 June 24)

45 to 95 KLPD Dist.EC Com. 1st Jan 24 to 30 June 24

OCEMS Report Season 2023-24 (Water & Satck)

Akanksha Lab Report Season 2023-24(Water,Air,Noise,Ground Water,Stack)

19 to 29 MW Co-Gen EC Com.01.06.2023to31.12. 2023

45 to 95 KLPD Dist. EC Com. 01.06.2023 to 31.12.2023

2500 to 6000 TCDS ugar EC Com. 01.06.2023 to 31.12.2023

45 to 95 KLPD Dist. EC Compl. 1 Jan. 2023 to 30 Jun. 2023

2500 to 6000 TCD Sugar EC Compl. 1 Jan. 2023 to 30 Jun. 2023

19 to 29 MW Co-Gen. EC Compl. 1 Jan. 2023 to 30 Jun. 2023

Akanksha Lab Monitoring Report Season 2022-23

Environment Statement Year 2022-23

On Line Monitoring System Season 2022-23

45 to 95 KLPD Dist. EC Com. Dt. 01.07.2022 to 31.12.2022

19 to 29 MW Co-gen. EC Com. Dt. 01.07.2022 to 31.12.2022

2500 TCD to 6000 TCD EC Com Dt. 01.07.2022 to 31.12.2022

45-95 KLPD Distillery EC Letter

Akanksha Lab Report Season 2021-22

Environment Statement 01 Apr 2021 to 31 Mar 2022

2500 to 6000 TCD Sugar EC Compliance 01 Jan 2022 to 30 Jun 2022

45 KLPD Distillery EC Compliance 01 Jan 2022 to 30 Jun 2022

19 MW Co-Gen EC Compliance 01 Jan 2022 to 30 Jun 2022

EC 19 TO 29 MW Cogen

6000 TCD EC Compliance (1st July 2021 to 31 Dec 2021)

45 KLPD Distillery EC Compliance (1st July 2021 to 31 Dec 2021)

19 MW Co-Gen EC Compliance (1st July 2021 to 31 Dec 2021)

2500 to 6000 MT Sugar EC Comp (01.01.2021 to 30.06.2021)

45 KLPD Dist EC Comp (01.01.2021 to 30.06.2021)

19 MW Co-gen EC Comp (01.01.2021 to 30.06.2021)

Akanksha Lab & On line Monitoring Report Season 2020-21

Environment Statement 2020-21

Environment Statement 2019-20

19 MW Co-Gen EC Compliance Report (1st Jun 2020 to 31st Dec 2020)

45 KLPD Distillery EC Compliance (1st Jun 2020 to 31st Dec 2020)

Sugar 2500 TCD To 6000 TCD EC Compliance (1st Jun 2020 to 31st Dec 2020)

Akanksha Lab Report (Water, Air, Stack-Season 2019-20)

45 KLPD Distillery Environmental Clearance

Six Monthly Compliance Report 6000 TCD Sugar Unit (1 st January 2020 to 30 June 2020)

On Line Monitoring report 2019-20

Environment Statement (1st April 2019 to 31st March 2020)

Part B (19 Mw EC Compliance -01 July 2019 to 31st Dec 2019)

Part A (19 Mw EC compliance -01 July 2019 to 31st Dec 2019)

6000 M.T. E.C. Compliance (1st July to 31 st Dec.2019) Part B

6000 M.T. E.C. Compliance (1st July To 31st December 2019) Part A

19 MW Co-Gen E.C. MoEF Visit Compliance Report

MoEF Approved (Akanksha Lab) Analysis Report Season 2018-19

6000 M.T.Environmental Clearance

On -Line monitoring Report Season 2018-19

00 MT EC Complianace Jan.to Jun.2019

19 MW Co-gen. EC Compliance Jan. to July 2019

19 MW Co-generation Environment Clearance

19 MW Co-generation Non complianace Report 2018-19

Environmental Statement (Form-V) 2018-19

जालद दुवे

शेती टिपा

> मुख्यपृष्ठ

> Select healthy sugar cane plants

> कंपनी इतिहास

> Split the sugar cane stems into foot-long pieces

> उत्पादने

> Dig furrows in a sunny planting spot

> नदीवर

> Moisten the furrows.

> गैलरी

> Fertilize the sugar cane with nitrogen.

> संपर्क

> Weed the planting bed often



Bhimashankar Sahakari Sakhar Karkhana

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Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2025

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000078932

Submitted Date

08-06-2025

PART A

Company Information

Company Name

Bhimashankar Sahakari Sakhar Karkhana Ltd.

Application UAN number

00000170265

Address

Dattatraynagar, Pargaon Tarfe Awasari Bk.

Plot no

Taluka

Ambegaon

Village

Pargaon Tarfe Awasari Bk.

Capital Investment (In lakhs)

31832.06

Scale

Red

City

Pargaon Tarfe Awasari Bk.

Pincode

412406

Person Name

Mr. Chandrakant G. Dhage

Designation

Managing Director

Telephone Number

9975568130

Fax Number

0213328270

Email

bsskltd@gmail.com

Region

SRO-Pune II

Industry Category

Red

Industry Type

R12 Sugar (excluding Khandsari)

Last Environmental statement submitted online

yes

Consent Number

Format1.0/UAN No.MPCB-
CONSENT-0000170265/CR/2309000334

Consent Issue Date

2023-09-05

Consent Valid Upto

2026-07-31

Establishment Year

2000

Date of last environment statement submitted

Jun 10 2024 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Sugar

Consent Quantity

21600

Actual Quantity

24874

UOM

By-product Information

By Product Name

Bagasse

Consent Quantity

46800

Actual Quantity

59866

UOM

Molasses

7200

11283

Pressmud	7200	8639	
Co-Generation	19	19	Mwh

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
	1694.00	1255.00
Cooling	48.00	1400.00
Domestic	96.00	56.00
All others	0.00	0.00
Total	1838.00	2711.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	817	570	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Sugar	0	0.007	CMD

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Sugarcane	1050115	1130053	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	46800	59866	

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
pH	7.4	7.0	00	5.5 to 9.0	Nil

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
SPM	117	105	00	105	Nil

Part-D

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	0.300	0.05	KL/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-E**SOLID WASTES****1) From Process**

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	3460	4010	MT/A
ETP Sludge	4	5	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
-	00	00	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	00	00	MT/A

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.05	KL/A	-

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	4010	MT/A	-
ETP Sludge	5	MT/A	-

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Trade Effluent	6.20	510	14	1385	2.90	0.50

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection

1)Online Monitoring system for Effluent & Stack 2) Annual Maintenance of Effluent treatment plant

Environmental Protection Measures

Control Air & Water Pollution

Capital Investment (Lacks)

3.15

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

1)Plantation Programme 2) Annual Maintenance Contract for On Line Monitoring System

Environmental Protection Measures

Tree plantation & Control Air & Water Pollution

Capital Investment (Lacks)

0.50

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Adopt New technology for Air & Water pollution

Name & Designation

Mr. Chadrakant G.Dhage Managing Director

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000078932

Submitted On:

08-06-2025