SIX MONTHLY COMPLIANCE REPORT OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

(January 2023 – June 2023)

Of

"SRA Project"

At

Plot bearing CTS No. 1(pt), 2(pt) of village Valnai, Tal. Borivali at Malad (west), for "Valnai, Tal. Borivali at Malad (west), for Parivartan SRA CHS (Prop)" Mumbai

M/s. Siddhartha Enterprises Builders & Developers,
B-101/103, New look Apartments, M.M.G.S Marg & C.D Ambekar Marg, Dadar(E), Mumbai-400014

Prepared By

Enviro Policy Research India Pvt. Ltd (EPRIPL)
QCI-NABET Accredited Consultant
An ISO 9001:2015 Certified Company
607, Oriana Business Park, Road No. 22,
Wagle Estate, Thane (W) – 400604, Maharashtra
Email: manager@eprindia.com; Website: www.eprindia.com

Submitted to

Maharashtra Pollution Control Board (Mumbai),
Environment Department, Mantralaya and
Ministry of Environment and Forests and Climate Change
(Regional Office)

Project Details:

Sr. No.	Project details	
1.	Name of the project	Proposed SRA Project at plot bearing CTS No.1 (pt), 2(pt) of village valnai, Tal.Borivali at Malad (west) for "Valnai Parivartan SRA CHS (Prop)" Mumbai
2.	Name of the project proponent	M/s. Siddhartha Enterprises Builders & developers
3.	Clearance Identification No. and Date	**SEAC-2013/CR-443/TC-1 Dated 29TH September, 2014**
4.	**Area Statement:**	
5.	Total Plot area (Sq.mt)	7153.28
6.	FSI Area (Sq.mt)	26,650.17
7.	Non-FSI Area (Sq.mt)	18,986.61
8.	Total Construction area (Sq.mt)	45,636.78
9.	Total no. of Tenants and Shapes	Rehabilitation Flats :161 Nos PAP:190 Nos Shops:13 Nos Balwadi: 4 Nos Welfare Centre: 4Nos Society Office: 3 Nos Sale Flats: 6 Nos Sale Shops: 14 Nos Sale Flats: 183 Nos
10.	Water Requirement of the project (CMD)	**Dry Season**: • Fresh Water (CMD):246 For Domestic: From M.C.G.M= 246

		• Recycled water (CMD):129 (STP Treated sewage) Flushing=125 Gardening =5 • Total Water Requirement (CMD): 376 • Swimming Pool make up (Cum): Not Applicable • Fire Fighting (CMD): Rehabilitation: 135 & Sale: 150 (One Time Requirement) **Wet Season:** • Fresh Water (CMD): 246 Domestic: From M.C.G.M=208+ From RWH tank =38 • Recycled Water (CMD): 125 (STP traded sewage for flushing) • Total Water Requirement (CMD): 371 • Swimming pool make up (Cum) : Not Applicable • Fire Fighting (CMD): Rehabilitation :135 & Sale :150 (One time Requirement)
11.	STP details	STP Technology: RMBR? (Rotating Media Bio Reactor) Capacity of STP (CMD): Rehabilitation :235 KL Sale : 120 KL
12.	Solid waste details	Waste generation in the operation Phase: Dry Waste (Kg/day): 372 Wet Waste (Kg/day):860 STP Sludge (Dry Sludge) (Kg/Day): 48

		Mode of disposal of waste: Dry waste: Non -recyclable: To M.C.G.M Recyclable: To recyclers Wet waste: Organic waste Converter (OWC) Hazardous waste Biomedical waste (If Applicable): As per norms STP Sludge (Dry Sludge): As Manure Area Requirement: Location(S) and total area provide for the storage and treatment of the solid waste Location: Rehabilitation: Ground Level Sale: Basement level Area: Rehabilitation: 50 Sq.mt Sale: Sq.mt

Monitoring the Implementation of Environmental Safeguards

Ministry of Environment & Forests

Regional Office (West Central Zone), Nagpur

Monitoring Report

PART – I

DATA SHEET

1.	Project type: River - valley/ Mining / Industry / Thermal / Nuclear / Other (specify)		**:**	SRA Scheme Category 8 (B2)
2.	Name of the project		**:**	Proposed SRA Project at plot bearing CTS No.1 (pt), 2(pt) of village valnai, Tal. Borivali at Malad (west) for "Valnai Parivartan SRA CHS (Prop)" Mumbai
3.	Clearance Identification No. and Date		**:**	**SEAC-2013/CR-443/TC-1 Dated 29TH September, 2014**
4.	Location		**:**	Mumbai
	a.	District (S)	**:**	Mumbai
	b.	State (S)	**:**	Maharashtra
	c.	Latitude/ Longitude	**:**	-
5.	Address for correspondence		**:**	**M/s. Siddhartha Enterprises Builders & developers** B-101/103, New look Apartments, M.M.G.S Marg & C.D Ambekar Marg, Dadar(E), Mumbai-400014
	a.	Address of Concerned Project Chief Engineer (with pin code & Telephone / telex / fax numbers	**:**	**Krishna Pandey**
	b.	Address of Executive Project: Engineer/Manager (with pincode/ Fax numbers)	**:**	-
6.	Salient features		**:**	
	a.	of the project	**:**	Residential Project
	b.	of the environmental management	**:**	**Expenditure on Environmental**

		plans		**Management Plan:**
7.	Breakup of the project area		:	
	a.	submergence area forest & non-forest	:	Not applicable
	b.	Others	:	FSI Area: 26,650.17 Sq. meters Non-FSI area: 18,986.61 Sq. meters Total BUA area: 45,636.78 Sq. meters
8.	Breakup of the project affected Population with enumeration of Those losing houses/dwelling units Only agricultural land only, both Dwelling units & agricultural Land & landless labourers/artisan		:	-
	a.	SC, ST/Adivasis	:	Not Applicable
	b.	Others (Please indicate whether these Figures are based on any scientific And systematic survey carried out Or only provisional figures, it a Survey is carried out give details And years of survey)	:	Not Applicable
9.	Financial details		:	
	a.	Project cost as originally planned and subsequent revised estimates and the year of price reference	:	Cost of the project: **Rs. 124,59,21,300**
	b.	Allocation made for environ-mental management plans with item wise and year wise Break-up.	:	-
	c.	Benefit cost ratio/Internal rate of Return and the year of assessment	:	-

	d.	Whether (c) includes the Cost of environmental management as shown in the above.	:	Yes.
	e	Actual expenditure incurred on the project so far		-
	f	Actual expenditure incurred on the environmental management plans so far	:	**NIL**
10.	Forest land requirement		:	
	a.	The status of approval for diversion of forest land for non-forestry use	:	Not Applicable
	b.	The status of clearing felling	:	Not Applicable
	c.	The status of compensatory afforestation, if any	:	Not Applicable
	d.	Comments on the viability & sustainability of compensatory afforestation program in the light of actual field experience so far	:	Not Applicable
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information		:	Not Applicable
12.	Status of construction		:	Data Required
	a.	Date of commencement (Actual and/or planned)	:	29th July 2021
	b.	Date of completion (Actual and/ of planned)	:	December 2025
13.	Reasons for the delay if the Project is yet		:	-

	to start			
14	Dates of site visits		:	
	a.	The dates on which the project was monitored by the Regional Office on previous Occasions, if any	:	-
	b.	Date of site visit for this monitoring report	:	-
15.	Details of correspondence with Project authorities for obtaining Action plans/information on Status of compliance to safeguards Other than the routine letters for Logistic support for site visits		:	-
	(The first monitoring report may contain the details of all the Letters issued so far, but the Later reports may cover only the Letters issued subsequently.)		:	-

Current Status of Work

Current status of Construction work		**Architect letter is attached**
a.	Date of Commencement (Actual and/ or planned)	29th July 2021
b.	Date of completion (Actual and/ or planned)	December 2025

Point wise compliance status to various stipulations laid down by the Government of Maharashtra as per the Environmental Clearance issued vide letter no.

SEAC-2013/CR-443/TC-1 dated 29th September 2014 as follows:

SR.NO.	CONDITIONS	STATUS
I	This Environmental Clearance is issued subject to condition that fire staircases opening at ground level in SRA component also and to make appropriate arrangement to provide better light & ventilation in the basement.	Noted
II	This Environmental Clearance is issued subject to land use verification. Local authority/Planning authority should ensure this with respect to rules, regulations, Notifications, Government Resolutions, and Circulars etc. issued if any. Judgments/orders issued be Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should Submit exactly the same plans appraised by concern SEAC & SEIAA. If any discrepancy found in the plans submitted or details provided in the above Para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.	Noted
III	This environmental clearance is issued subject to obtaining NOC from Forestry & Wildlife angle including clearance from the standing committee of the National Board for Wildlife as if applicable & this environment clearance does not necessarily implies that Forestry & Wildlife clearance granted to the project which will be considered Separately on merit.	NOC from Wild Life Board is Not Applicable as per final Notification reg.
IV	PP has to abide by the conditions stipulated by SEAC & SEIAA.	Noted
V	The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout	Noted

	plan & before according commencement certificate to proposed work. Plan approving. Authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.	
VI	Consent for Establishment " shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site .	Agreed to comply with.
VII	All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.	1. All necessary facility has been provided on site for the workers. 2. temporary accommodation have been provided for residential labours at project site. Also non-residential workers are available at site. 3. Proper housekeeping & regular pest control have been carried out. Please Refer **Annexure 11** For Sanitary Hygiene provide to Workers
VIII	Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. As agreed during the SEIAA meeting, PP to explore possibility of utilizing excess treated water in the adjacent area for gardening before discharging it into sewer line No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.	1. All necessary facility has been provided on site for the workers. 2. temporary accommodation have been provided for of residential labours at project site. Also non-residential workers are available at site. 3. Adequate drinking water, Toilets, of Bathrooms has been provided at the labour camp. 4. Proper housekeeping & regular pest control have been carried out. 5. Waste generated from toilets and bathrooms is being disposed off to sewerage line. Please Refer **Annexure 11** For Sanitary Hygiene provide to Workers
IX	Provision shall be made for the housing of construction labour within the site with all	PP Agreed with Condition

	necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.	
X	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured	1. non-residential workers are working on project site. 2. temporary accommodation have been provided for residential labours at project site. non-residential workers are available at site. 3. Municipal solid waste generated at the labour camp has been handed over to local body on daily basis. 4. Regular cleaning and disinfection of labour camp. 5. Sanitization/Hand wash stations for workers. 6. Regular medical check-up of all the workers and staff. 7. Distribution of mask regularly
XI	The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed of to the approved sites for land filling after recovering recyclable material	1. Provision is made for storage, collection and segregation of biodegradable & non-biodegradable waste at source generation. 2. Municipal solid waste generated at the labour camp has been handed over to local body on daily basis Please Refer **Annexure 9**
XII.	Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.	1. OWC will be provided for treatment of 860 Kgs/day biodegradable wastes.
XIII.	Arrangement shall be made that waste water and storm water do not get mixed.	1. Provisions will be made for storm water drains. The storm water collection through the storm water drains of adequate capacity will be discharged into the external drains
XIV.	All the top soil excavated during construction activities should be stored for use in	1. No top soil was generated as this is a rehabilitation project.

	Horticulture / landscape development within the project site.	
XV.	Additional soil for levelling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.	1. Excavated soil is already used for back filling and plot leveling within the project site.
XVI	Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/Agriculture Dept.	1. Various varieties of trees shall be planted over an RG area of 686.51 Sq. meters.
XVII	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	1. Excavated material is stock piled and will be partly reused for backfilling, plot leveling and remaining debris will be disposed off by covered trucks to the authorized sites with the prior permission from Solid waste management of MCGM. Please Refer **Annexure 10**
XVIII	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	1. Soil quality is being monitored. 2. No source of ground water on project site
XIX	Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dumpsites for such material must be secured so that they should not leach into the ground water.	1. No hazardous waste generation during construction.
XX	Any hazardous waste generated during construction phase should be disposed of as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.	1. No hazardous waste generation during construction.
XXI	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.	1. No use of DG sets during construction purpose.
XXII	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.	1. No use of DG sets during construction purpose.
XXIII	Vehicles hired for bringing construction material to the site should be in good	1. We will allow vehicles with valid PUC certificate during

	condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	construction to enter the project site.
XXIV	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.	1. Ambient air and Noise levels monitoring is being carried out.
XXV	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100 Km of Thermal Power Stations).	1. Cement containing Fly ash is being used in building construction
XXVI	Ready mixed concrete must be used in building construction.	1. Ready Mixed Concrete will be used on site for construction work.
XXVII	The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment's etc. as per National Building Code including measures from lighting.	1. Agreed to comply with.
XXVIII	Storm water control and its re-use as per CGWB and BIS standards for various applications.	1. Separate Strom water drain will be provided
XXIX	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.	1. Ready mixed concrete and curing agents will be used.
XXX	The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.	1. No extraction of ground water for any purpose in operation phase also we are not planning to withdraw ground water for any purpose in future, hence permission from CGWA is not applicable.

XXXI	The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and are port in this regard should be submitted to the MPCB and Environment department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled / refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.	1. STP capacity for rehabilitation is 235 KL and Sale building 120 KL of will be installed onsite for the treatment of the entire waste water generated on the project. 2. Treated waste water conforms to norms prescribed by Maharashtra Pollution Control Board and will be utilized for flushing, gardening to reduce fresh water demand in operation phase.
XXXII	Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB	1. STP capacity for rehabilitation is 235 KL and Sale building 120 KL will be installed onsite for the treatment of the entire waste water generated on the project. 2. Organic Waste Convertor (OWC) will be provided to treat 860 Kgs/day biodegradable wastes.
XXXIII	Permission to draw ground water and construction of basement if any shall be Obtained from the competent Authority prior to construction/operation of the project.	1. No extraction of ground water for any purpose in operation phase also we are not planning to withdraw ground water for any purpose in future, hence permission from CGWA is not applicable.
XXXIV	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	1. Dual plumbing line will be provided for using the treated waste water for gardening and flushing.
XXXV	Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	1. Low flow fixtures will be provided for showers, toilets & in kitchen.
XXXVI	Use of glass maybe reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.	1. Glass shall be used only for windows.
XXXVII	Roof should meet prescriptive requirement as	1. PP Agreed

	per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement.	Please Refer **Annexure 6** CFO NOC
XXVIII	Energy conservation measures like installation of CFLs & TFLs for the lighting the areas outside the building should be integral part of the project design and Should be in place before project commissioning. Use CFL sand TFLs should be properly collected and disposed of/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar streetlights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	Energy conservation measures will be implemented as follows; 1. Use of energy saving LED lights. 2. Hot water system on solar power. 3. Using solar PV panels for lighting. 4. Using high efficiency motors for water pumps. 5. VFD drives for lift motors.
XXXIX	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986.The height of stack of DO sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided within consultation with Maharashtra Pollution Control Board.	1. CPCB approved enclosed type D.G. sets will be provided.
XL	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	1. The green belt design along the periphery of the plot will be such that it can attenuate the day and night noise levels to the standard prescribed for residential use by MPCB. 2. RG area is proposed is of 686.51 Sq. meters.
XLI	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	1. Public road and public area are not being used for project activity purpose and are free from smooth traffic movement. 2. Suitable provisions will be made for adequate parking facilities within the project complex.

		3. Proposed parking area of 4789.20 Sq. m. will be provided.
XLII	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil requirement.	1. Noted
XLIII	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	1. Adequate distance between two buildings allows movement of fresh air and passage of natural light, air and ventilation.
XLIV	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	1. Regular supervision of the above measures is being monitored by site in-charge.
XLV	Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.	1. Obtained Environmental clearance from SEIAA, Maharashtra vide letter no. SEAC- 2013/CR-443/TC-1 dated: 29th September,2014 before starting the construction of project
XLVI	Six monthly monitoring reports should be submitted to the regional office MoEF, Bhopal with copy to this department and MPCB.	1. Six monthly monitoring reports are being submitted.
XLVII	A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.	1. A complete set of all the documents has been submitted to MPCB
XLVIII	In the case of any change(s) in the scope of the project, the project would require afresh appraisal by this Department.	1. Agreed to comply with.
XLIX	A separate environment management cell with qualified staff shall be setup for implementation of the stipulated environmental safeguards.	1. A separate environment management cell has been established 2. Environmental quality is being monitored through external MoEF & CC approved laboratory
L	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break-up. These costs shall be included as pa1tof the project cost The funds earmarked for the	1. Separate funds have been allocated for implementation of environmental protection measures

	environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	
LI	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 at **http://ec.maharashtra.gov.in.**	1. PP Agreed Please Refer Annexure 11 for Newspaper Advertisement Copy
LII	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on1st June & 1st December of each calendar year.	1 Submitting six monthly compliance reports regularly to 2. RO, MPCB, Sion. 3. RO, MoEF & CC, Nagpur. 4. Environmental department Mantralaya and CPCB, Vadodara.
LIII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	1. Environmental clearance copy submitted to MCGM.
LIV	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. S02, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	1. Agreed to comply with.
LV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results	1. Agreed to comply with

	of monitored data (both in hard copies as well as by E-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	
LVI	The environmental statement for each: financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	1. Agreed to comply with

Annexure List

Annexure No	Annexure Name
1	Environmental clearance Copy
2	Site Location
3	Site Photographs
4	Solid waste Management Details
5	Energy Saving Details
6	CFO NOC
7	Tree NOC
8	RMC Certificate
9	SWM NOC
10	Sanitary Hygiene Provide to Workers Photographs
11	Newspaper Advertisement Copy
12	Monitoring Report

Annexure 1: EC Copy

Government of Maharashtra

SEAC-2013/CR-443/TC-1
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 29th September, 2014

To,
M/s. Siddhartha Enterprises Builders & developers
B-101/103, New look Apartments,
M.M.G.S Marg & G.D.
Ambekar Marg, Dadar (E),
Mumbai – 400 014.

Subject: **Environment clearance for proposed SRA project at plot bearing CTS No. 1 (pt), 2 (pt) of village valnai, Tal. Borivali at Malad (west), for "valnai Parivartan SRA CHS (Prop)" Mumbai by M/s Siddharth Enterprises Builders & Developers.**

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharashtra in its 27th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 73rd meeting.

2. It is noted that the proposal is for grant of Environmental Clearance for proposed SRA project at plot bearing CTS No. 1 (pt), 2 (pt) of village valnai, Tal. Borivali at Malad (west), for "valnai Parivartan SRA CHS (Prop)" Mumbai. SEAC-II considered the project under screening category 8(a) B2 as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as-

Name of Project	VALNAI PARIVARTA SRA CHS (Prop)" at Malad (W), Mumbai
Project Proponent	M/s. Siddhartha Enterprises Builders & developers
Consultant	M/s. Ultra-Tech Environmental Consultancy & Laboratory
Type of project	SRA Scheme Category 8 (B2)
Location of the project	C.T.S. Nos. 1(pt) & 2(pt) of Village Valnai, Taluka- Borivali at Malad (W), Mumbai
Whether in Corporation / Municipal / other area	Municipal Corporation of Greater Mumbai (M.C.G.M.)
Applicability of the DCR	33 (10)

Note on the initiated work (If applicable)	Total constructed work (FSI+ Non FSI): Not Applicable Date and area details in the necessary approvals issued by the competent authority (attach scan copies): Received LOI dated 31st Oct 2012
LOI / NOC from MHADA / Other approvals (If applicable)	Date and construction area details mentioned in the approved letter: Received LOI dated 31st Oct 2012
Total Plot Area (sq. m.) **Deductions** **Net Plot area**	7153.28 Sq. mt. -- 7153.28 Sq. mt.
Permissible FSI (including TDR etc.)	Built-up Area: 21459.84 Sq. mt Fungible area: 7456.43 Sq. mt
Proposed Built-up Area (FSI & Non-FSI)	•FSI area (sq. m.): 26,650.17 Sq. mt. (Including fungible area) •Non FSI area (sq. m.): 18,986.61 Sq. mt. •Total BUA area (sq. m.): 45,636.78 Sq. mt.
Ground-coverage Percentage (%) ***(Note: Percentage of plot not open to sky)***	3372.48 (47.2 %)
Estimated cost of the project	Rs. 124,59,21,300/-
No. of building & its configuration(s)	Rehabilitation: 1 Composite Building with 4 wings (A, B, C & D) Ground (pt) + Stilt (pt) + 1 Podium + 20 floors Sale: 1 Building with 3 wings (Wing A, B & C) Basement + Stilt + 1 Podium + 17 floors
Number of tenants and shops	Rehabilitation Flats: 161 Nos. PAP: 190 Nos. Shops: 13 Nos. Balwadi: 4 Nos. Welfare centre: 4 Nos. Society office: 3 Nos. Sale Flats: 6 Nos. Sale Shops: 14 Nos. Sale Flats: 183 Nos.
Number of expected residents / users	Rehabilitation: 1869 Nos. Sale: 987 Nos.
Tenant density per hector	793/ha
Height of the building(s)	Rehabilitation: 62.65 mt. Sale: 53.80 mt.
Right of way (Width of the road from the nearest fire station to the proposed building(s)	12.00 mt. wide road
Turning radius for easy access of fire tender movement from all around the building excluding the width for the	6 mt.

plantation	
Existing structure(s)	There are existing slums on site which will be demolished.
Details of the demolition with disposal (If applicable)	The debris generated due to demolition shall be reused on site and partly shall be disposed off to Authorized Landfill sites with permission from M.C.G.M.
Total Water Requirement	**Dry season:** • Fresh water (CMD): 246 For Domestic : From M.C.G.M. = 246 •Recycled water (CMD): 129 (STP Treated sewage) Flushing = 125 Gardening = 5 •Total Water Requirement (CMD) : 376 •Swimming pool make up (Cum): Not Applicable •Fire fighting (CMD): Rehabilitation: 135 & Sale:150 (One Time Requirement) **Wet Season:** • Fresh water (CMD): 246 Domestic: From M.C.G.M. = 208 + From RWH tank = 38 • Recycled water (CMD):125 (STP Treated sewage for flushing) • Total Water Requirement (CMD): 371 • Swimming pool make up (Cum): Not Applicable • Fire fighting (CMD): Rehabilitation: 135 & Sale:150 (One Time Requirement)
Rain Water Harvesting (RWH)	•Level of the Ground water table: 3.00 to 4.00 mt. •Size and no of RWH tank(s) and Quantity: One RWH tank of capacity 54 KL for rehabilitation building & One RWH tank of capacity 50 KL for sale building •Location of the RWH tank(s): Ground •Budgetary allocation (Capital cost and O&M cost): Capital cost: Rs. 10.40 Lacs O & M cost: Rs. 0.52 Lacs/annum
UGT tanks	• Location(s) of the UGT tank(s): Underground
Storm water drainage	•Natural water drainage pattern The storm water collected through the storm water drains of adequate capacity will be discharged in to the municipal SWD. •quantity of storm water: 0.16 m^3/sec •Size of SWD: 450 mm x 450 mm with slope 1:500
Sewage and Waste water	•Sewage generation (CMD): Rehabilitation: 213 Sale: 107 •STP technology: RMBR(Rotating Media Bio Reactor) •Capacity of STP (CMD): Rehabilitation: 235 KL Sale: 120 KL

	•Location of the STP: Rehabilitation: Ground level Sale: Basement level •DG sets (during emergency): For essential backup Rehabilitation: 1 DG set of 380 kVA capacity Sale: 1 DG set of 400 kVA capacity •Budgetary allocation (Capital cost and O&M cost) Capital cost: Rs. 93.05 Lacs O & M cost: Rs. 23.61 Lacs/annum
Solid waste Management	**Waste generation in the Pre Construction and Construction phase:** • Waste generation: The debris shall be disposed to authorized landfill sites and excavated material generated shall be partly used for filling and partly shall be disposed by covered trucks to the authorized sites with permission from M.C.G.M. •Disposal of the construction waste debris: The construction waste shall be partly reused on site and shall be partly disposed to authorized site through authorized contractors with permission from M.C.G.M. **Waste generation in the operation Phase:** Dry waste (Kg/day): 372 Wet waste (Kg/day): 860 • STP Sludge (Dry sludge) (Kg/day): 48 **Mode of Disposal of waste:** •Dry waste: Non recyclable: To M.C.G.M. Recyclable: To recyclers •Wet waste: Organic Waste Converter (OWC) •Biomedical waste *(If applicable):* As per norms •STP Sludge (Dry sludge): As manure **Area requirement:** Location(s) and total area provided for the storage and treatment of the solid waste: Location: Rehabilitation: Ground Level Sale: Basement Level Area: Rehabilitation: 50 Sq. mt. Sale: 45 Sq. mt. **Budgetary allocation (Capital cost and O&M cost)** Capital cost: Rs. 18.00 Lacs (Cost for treatment of biodegradable garbage in OWC) O & M cost: Rs. 4.53 Lacs (Cost for treatment of biodegradable garbage in OWC)
Green Belt Development	**Total RG area:** **RG area other than green belt (Please specify for playground, etc.) - Not Applicable** **RG area under green belt:** • RG on the ground (sq. m.): 686.51 **Sq. mt.**

<table>
<tr><td></td><td>• RG on the podium (sq. m.): Nil

Plantation:

• Number and list of trees species to be planted in the ground RG: 110 Nos.
<table><tr><td>Botanical Name</td><td>Common Name</td></tr><tr><td>Azadirachta Indica</td><td>Neem</td></tr><tr><td>Anthocephallus cadamba</td><td>Kadamb</td></tr><tr><td>Spathodea Campanulata</td><td>Tulip</td></tr><tr><td>Bauhinia Blakeana</td><td>Kanchan</td></tr><tr><td>Cassia Renigera</td><td>Pink Tenigera</td></tr><tr><td>Cordia Lutea</td><td>Yellow Cordia</td></tr><tr><td>Palm</td><td>Palm</td></tr><tr><td>Tabebuia Argentea</td><td>Golden Bell</td></tr></table>• Number, size, age and species of trees to be cut, trees to be transplanted: Trees to Cut: 2 Nos.

NOC for the Tree cutting / transplantation/ compensatory plantation, if any: Received

Budgetary allocation (Capital cost and O&M cost)
Capital cost: Rs. 3.07 Lacs
O & M cost: Rs. 0.73 Lacs/annum</td></tr>
<tr><td>Energy</td><td>Power supply:
Rehabilitation:
•Maximum demand: 1801 KW
•Connected load: 2966 KW
Sale:
•Maximum demand: 2417 KW
•Connected load: 4301 KW
•Source: Local Authority

•Energy saving by non-conventional method:
Energy savings measures:
Using CFL/T5 lamps
Using LED lamps
Use of Electronic Ballast
Use of solar panels for common area & external lighting
Using timers/sensors in tower for common lighting & external lighting

•Detail calculations & % of saving:
Rehabilitation: 26%
Sale:25%

•Compliance of the ECBC guidelines: (Yes / No) (If yes then submit compliance in tabular form): Yes

•Budgetary allocation (Capital cost and O&M cost):</td></tr>
</table>

	Capital cost: Rs. 80.96 Lacs (Solar system) O & M cost: Rs.1.62 Lacs/annum (Solar system) **DG Set:** •Number and capacity of the DG sets to be used Rehabilitation: 1 DG set of 380 kVA capacity Sale: 1 DG set of 400 kVA capacity •Type of fuel used: Diesel
Environmental Management plan Budgetary Allocation	**Construction phase (with Break-up):** •Capital cost •O & M cost (Please ensure manpower and other details) Total cost incurred for EMP

Sr. No.	Component	Description	Total Cost (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	9.72
		Air & Noise monitoring	0.36
2	Water Environment	Tanker water for construction	15.34
		Water and wastewater monitoring	0.54
3	Land Environment	Site Sanitation	5.00
4	Biological Environment	Gardening	0.38
5	Socio-Economic Environment	Disinfection- Pest Control	3.60
		First Aid Facilities	0.06
		Health Check Up	36.00
		Personal protective equipment	5.00
	Total Cost		76.00

Operation Phase (with Break-up)-
•Capital cost
•O&M cost (Please ensure manpower and other details)

Sr. No.	Component	Description	Capital cost Rs. In lacs.	Operational and Maintenance cost (Rs. in lacs/yr)

	1	Air Environment		Gardening	3.40	0.60
				Ambient Air quality & Noise Level	--	0.12
				Exhaust from DG Set	--	0.12
	2	Water Environment	Waste water treatment	STP cost of (2 STPs of capacity 120 KL & 235 KL)	93.05	23.61
			Waste water monitoring	--	--	14.60
			Rain Water Harvesting monitoring	Rain Water Harvesting tanks(2 tanks of capacity 50 & 54 KL)	10.40	0.52
				Rain Water harvesting monitoring	--	2.70
	3	Land Environment (Solid Waste Management)		Cost for Treatment of biodegradable garbage in OWC	18.00	4.53
				OWC manure	--	0.40
	4	Energy Conservation		Solar panels for external lighting	2.00	0.04
				Solar Panels	78.96	1.58
	5	Other maintenance cost		Other maintenance cost (FOR SWM, Water tanks, DG etc.)	--	6.76
	Total Cost				205.81	55.58
	•Quantum and generation of Corpus fund and Commitment: Project proponent shall operate and maintain EMF for 3 years after giving possession and shall also generate corpus fund during 3 years for O & M of Rs.166.74 lacs (i.e. 55.58 x 3 years). •Responsibility for further O &M: While handing over Environmental Management Facilities M.O.U. shall be made with society to accept responsibility of further O & M of EMF. Additionally for rehabilitation component a sum of Rs. 20,000/- per slum dweller shall be deposited to SRA as per their norm and further OC, it shall be handed over to the slum societies					
Traffic Management	Nos. of the junction to the main road & design of confluence:					

	1 Entry & Exit **Parking details:** •Number and area of basement: 1 Basement for Sale Bldg •Number and area of podia: 1 Podium for Rehabilitation bldg & 1 Podium for Sale Bldg •Total Parking area: 4789.20 Sq.mt. •Area per car: 20 •2-Wheeler: 567.13 sq. mt area is provided for 2 wheelers •4-Wheeler: 209 Nos. •Public Transport: Not Applicable **•Width of all Internal roads (m): 4.5 to 6 mt.**

3. The proposal has been considered by SEIAA in its 73rd meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

(i) This environmental clearance is issued subject to condition that fire staircases opening at ground level in SRA component also and to make appropriate arrangement to provide better light & ventilation in the basement

(ii) This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any. Judgments/orders issued by Hon'ble High Court, Hon'ble NGT, Hon'ble Supreme Court regarding DCR provisions, environmental issues applicable in this matter should be verified. PP should submit exactly the same plans appraised by concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

(iii) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.

(iv) PP has to abide by the conditions stipulated by SEAC & SEIAA.

(v) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.

(vi) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.

(vii) All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.

(viii) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed

and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.

(ix) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and First Aid Room etc.

(x) Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.

(xi) The solid waste generated should be properly collected and segregated. dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material

(xii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.

(xiii) Arrangement shall be made that waste water and storm water do not get mixed.

(xiv) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

(xv) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.

(xvi) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

(xvii) Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

(xviii) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.

(xix) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.

(xx) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

(xxi) The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.

(xxii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.

(xxiii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

(xxiv) Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/MPCB.

(xxv) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).

(xxvi) Ready mixed concrete must be used in building construction.

(xxvii) The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.

(xxviii) Storm water control and its re-use as per CGWB and BIS standards for various applications.

(xxix) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

(xxx) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

(xxxi) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environmenent department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.

(xxxii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

(xxxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.

(xxxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.

(xxxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

(xxxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

(xxxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement

(xxxviii) Energy conservation measures like installation of CFLs /TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.

(xxxix) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.

(xl) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

(xli) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

(xlii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement

(xliii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

(xliv) Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.

(xlv) Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.

(xlvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

(xlvii) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.

(xlviii) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Department.

(xlix) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(l) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.

(li) 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 at http://ec.maharashtra.gov.in.

(lii) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.

(liii) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

(liv) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO_2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

(lv) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

(lvi) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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 Environmental 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 for a period of 5 years.

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 environmental 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.

11. This Environment Clearance is issued for proposed SRA project at plot bearing CTS No. 1 (pt), 2 (pt) of village valnai, Tal. Borivali at Malad (west), for "valnai Parivartan SRA CHS (Prop)" Mumbai by M/s Siddharth Enterprises Builders & Developers.

(Medha Gadgil)
Additional Chief Secretary,
Environment department &
MS, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.

2. Shri. Ravi Bhushan Budhiraja, Chairman, SEAC-II, 5-South, Dilwara Apartment, Cooperage, M.K.Road, Mumbai 400021

3. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.

5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).

6. Regional Office, MPCB, Mumbai.

7. Collector, Mumbai

8. Commissioner, Municipal Corporation Greater Mumbai (MCGM)

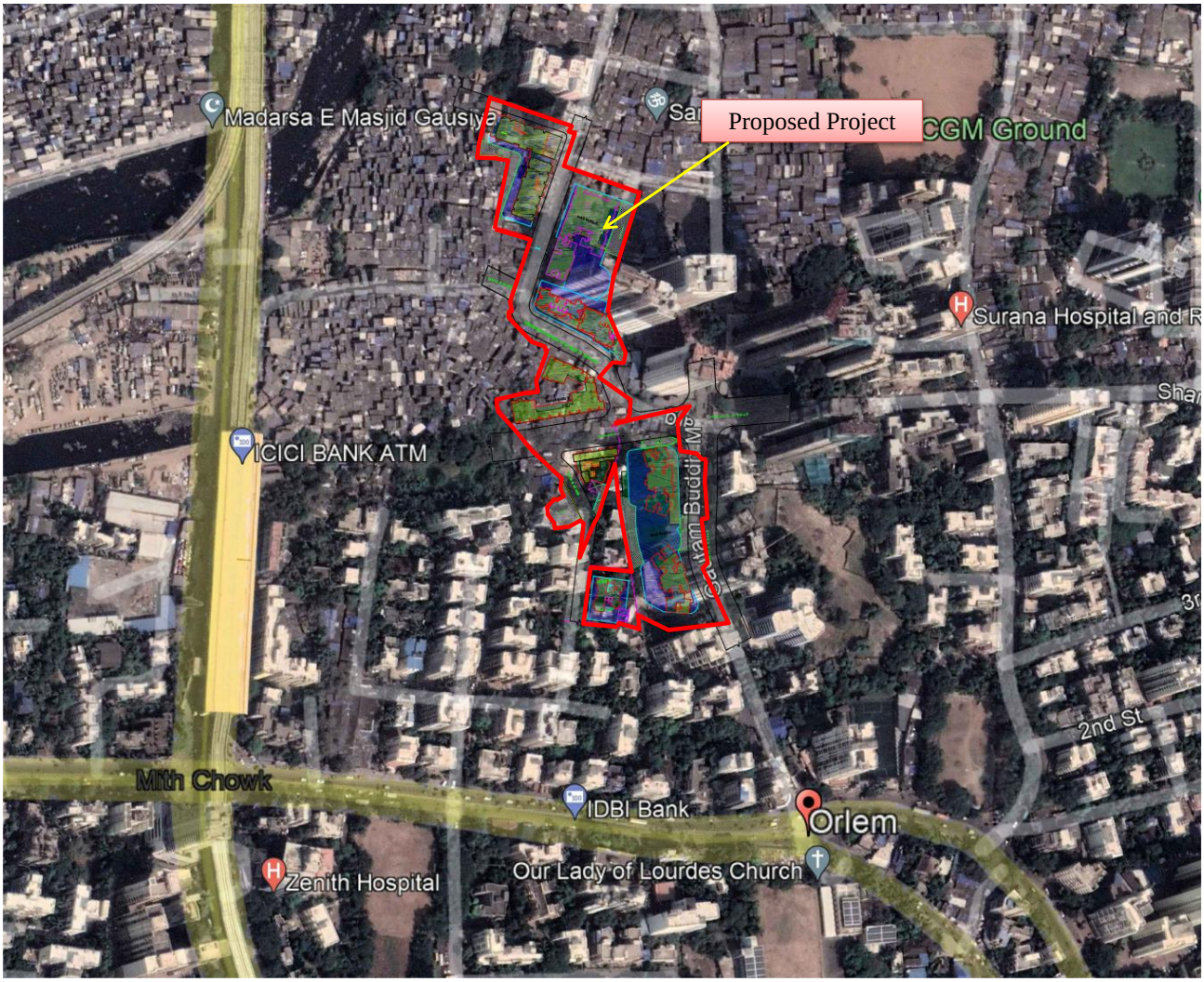
9. CEO, Slum Rehabilitation Authority, Bandra (E), Mumbai

10. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.

11. Select file (TC-3)

(EC uploaded on 7/10/2014)

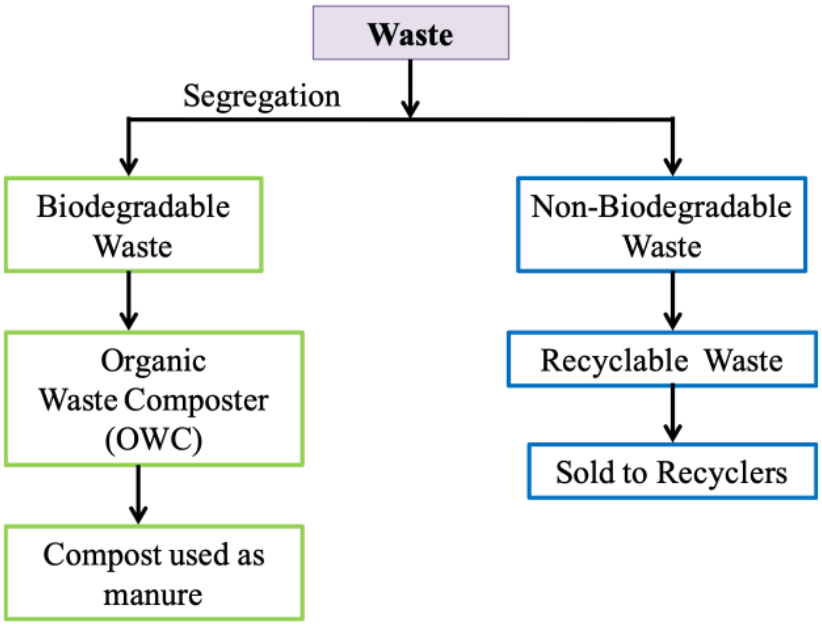
Annexure 2 : Site Location



Annexure 3 : Site Photographs

Annexure 4: Solid waste Management Details

Wet waste	3460 Kg/day
Dry waste	2306 Kg/Day
Total solid waste	**5766 Kg/Day**



39

Annexure 5: Energy Saving Details

Sr No	Description	Power consumed using Conventional method (KW)	Power consumed incorporating energy saving methods (KW)	Energy consumed using Conventional method (Kwh)	Energy consumed incorporating energy saving method (Kwh)	Power consumed incorporating energy saving methods %	Power generated by Solar cell (KW)	Power consumed incorporating energy saving methods by providing element
1.	**External**							
A	External lighting load	42.00	29.37	99792.00	129790.08	30%	12.63	30% of External Lighting on Solar PV Panels and rest lighting with timer controlled Operation for reducing amount of light at different stages as per requirements.
B	Total lift load	1080.0	864.00	4782240.00	3825792.00	20%		All Motors with VFD control use as per different stages & Time
C	Total Pump load	2161.7	1729.36	3112848.00	2490278.40	20%		All water pump motors will be used High Efficiency motors with High low level sensors
D	Common area lighting + Power							
D1	Common	649.81	454.87	2853965.52	1997775.86	30%	194.94	LED light

	area Lighting Load							with timer control Operated to reduce amount of light at different stages and with Solar power backup
D2	Power for (STACK PARKING)	234.74	234.74	1022527.44	1022527.44	0%		
D3	Shop & Office Lighting Load	556.97	556.97	1694302.74	1694302.74	0%		
	Total of External load							

2.	**Internal**							
A	Internal total Flat lighting load	5092.11	5092.11	11182273.56	11182273.56	0%		
B	Total AC Load	6252.20	5001.76	27572202.00	22057761.60	20%		BEE 5 Star rated AC unit Considered
C	Other Appliances Load such as washing machine+ fridge+ microwave oven	8324.05	8324.05	36559227.60	36559227.60	0%		
D	Each Flat hot water	5432.00	3786.05	12124224.00	15797994.24	30%	1645.95	Solar Backup
	Total Internal Load	25100.36	22204			12%	1645.95	

3	Total internal + external load	29825.58	26073.28			13%	1853.52	% Overall savings on consumption
							6%	Energy savings through renewable sources in Percentage

Annexure 6: CFO NOC

OFFICE OF Dy. CHIEF FIRE OFFICER, ...SUM
MUMBAI FIRE BRIGADE
Borivali Regional Command Centre
L.T. Road X Gorai Road Junction
Borivali (West), Mumbai - 4...

BRIHANMUMBAI MUNICIPAL CORPORATION
MUMBAI FIRE BRIGADE

No. FB/HR/R-4/177
Date: 01/11/2022

Sub: Compliance report from fire-fighting installation point of view to obtain Part Occupation Certificate (i.e., Excluding 1st & 2nd podium floor) with minor amendment of High-rise composite residential building no. 1 in proposed SR Scheme on plot bearing CTS Nos. 1(pt), 2(pt), 264, 265 & 266, 216A/1A/1, 216A/1/4 to 10 & 216-A (pt), 216A/11 to 14 of Village Valani Parivartan SRA CHS Ltd. & Valnai Netaji SRA CHS Ltd, Mangalam SRA CHS (Prop) & Vetti Vinayak SRA CHS (prop), New Mangalam SRA CHS (prop), under Reg. 33(10) and 33(11) of DCPR 2034.

Ref: 1) Letter from M/s V.S. Vaidya & Associates, license surveyor dated 10/08/2022.
2) M.F.B. No. HR/R-4/177 dated 13/10/2022.

M/s V.S. Vaidya & Associates, license surveyor

In this case, please refer to this office N.O.C. issued under No. FB/HR/RIV/477 dated 25/11/2013 for the construction of High-rise composite building designated as Wing A i.e. Sale building & Wing B i.e. Rehab building. Both the wings are having ground floor + 1st podium floor + 2nd to 20th upper residential floors with total height of 64.10 mtrs. measured from general ground level up to terrace level. (Treated as cancelled)

Further, revised NOC was issued by this office under no. FB/HR/R-4/183 dated 31/03/2021 for the proposed construction of High-rise rehab building no. 1 comprising of two wings i.e., Wing A & B. Both the wings are having ground floor on stilt for shops + 1st & 2nd podium floor for stack car parking by the way of 6.00 mtrs wide two-way common ramp (common for sale & rehab building) + 3rd to 22nd upper residential floors with a total height of 69.00 mtrs measured from general ground level up to terrace level.

Now, license surveyor vide his application letter dtd. 10/08/2022 has informed this department that minor constructional amendments are done at the site i.e.

1) License surveyor has changed the location of Pump room at ground floor as shown on the plan.
2) License surveyor has changed the lobby ventilation of Rehab Wing on each floor as shown on the plan.
3) License surveyor has changed the location of electric meter room from ground to 1st podium floor for Sale Wing as shown on the plan.

Also, the license surveyor has intimated about the completion of construction work of the said High-rise rehab building no. 1 (Wing A & B) as per Commencement certificate issued by E.E.(S.R.A.) u/no: SRA/ENG/2984/PN/ML/AP dated 22/07/2020 and compliance of fire safety requirements stipulated vide above referred N.O.C.s issued by this department and has requested to issue compliance report from fire safety point of view to obtain part occupation certificate (i.e. Excluding 1st & 2nd

1

ADFO

Podium floor) with minor amendments for the said High-rise composite residential building no. 1 comprising of two wings i.e. Rehab Wing & Sale Wing . Both the wings are having ground floor for shops + 1st & 2nd podium floor for stack car parking by the way of 6.00 mtrs wide two-way ramp common ramp (common for sale & rehab building) + 3rd to 22nd upper residential floors with a total height of 69.00 mtrs measured from general ground level up to terrace level.

Accordingly, the license surveyor has submitted the amended plans of the High-rise composite residential building no. 1 & requested to approve and incorporate the same while issuing Compliance of Fire safety requirements to obtain part Occupation Certificate (i.e., Excluding 1st & 2nd podium floor) with minor amendment of the said building with the above said change, same is signed in token of approval. Also, the license surveyor has informed that all requirements vide earlier Fire Safety Requirement letters are complied with. (This amendment is considered as per the Hon. M.C.'s Circular vide No. MGC/A/5801 Dated- 22/12/2016).

On receipt of letter from the license surveyor, a senior officer of this department visited & inspected the site to verify & ensure the compliance of all fire protection & firefighting requirement stipulated by this department vide above referred N.O.C.; when it was observed that party has complied with the fire protection & fire-fighting requirements stipulated by this department vide above referred N.O.C.

During the inspection, the fire-fighting requirements such as Wet riser, booster pump, fire pump, jockey pump, sprinkler pump, automatic sprinkler system, automatic smoke detection system, fire alarm system, courtyard hydrants were tested and found in good working order and the party has also provided fire extinguishers & sand buckets as mentioned in the above referred N.O.C. Electric cable duct was found sealed at each floor level of each wing of the building. The refuge area is provided on 8th &15th floor of Rehab Wing & Sale Wing and also terrace of each wing is refuge area.

Alternate source of power supply from separate electric substation with changeover switch was found provided for the main fire pump panel, fire lift, staircase lighting & fire alarm panel of the said building.

The party has submitted following documents: -

A. **Form-'A' Certificate** from Certificate from Govt. Approved Lic. Agency M/s. Sai Enterprises (License No. MFS-LA/RF-239 & RD-233) dtd. 05/09/2022 in Form-'A' (along with Annexure as per the 'Maharashtra Fire and Life Safety Measures Act 2006 (Mah.III of 2007) regarding installation of firefighting & fire protection system.
B. **Form 'A' for F.R.D.** issued by M/s Om Sai Fire Protection (License No. MFS/LA/ RP-73) dtd. 06/09/2022.
C. **Form 'A' for electric ducts sealing** by non-combustible materials issued by M/s Om Sai Fire Protection (License No. MFS/LA/ RP-73) dtd. 01/11/2022.
D. **Structural stability certificate** from Mr. Nikhil S. Shanghvi, Regd. u/no. STR/S/193 dtd.01/11/2022
E. **Lift certificates** by Chief Engineer (Elect.) from Industry, energy & labour division, Govt. of Maharashtra.

F. **Electric certificate** for electric fitting from M/s. Kartik N. Electricals having License no. M.C. 28271 dated 14/09/2022.

G. **Checklist** from M/s V.S. Vaidya & Associates, LICENSE SURVEYOR & Checklist from Government approved Licensing Agency i.e., M/s. Sai Enterprises for fixed firefighting Installation.

H. The license surveyor has submitted undertaking on the 500/- bond paper dated 06/09/2022 stating:

1. Refuge area as approved shall not be misused in any manner at any point of time in future.
2. Six monthly certificates of maintenance of fire-fighting installation shall be submitted to the CFO Department by the License agency / developers/society whoever responsible irrespective of occupation.
3. Developer has already paid the necessary charges/fees as per the area certificate given by Architect, however if any difference in area and paid fees objected by the concerned authority of E.E.(S.R.A) or auditor then developer will be responsible for payment in future.
4. We will not violate the requirements stipulated in the fire safety requirement letters issued by the Mumbai Fire Brigade.

As per above referred N.O.C.s, the party has provided underground water storage tank & overhead water storage tank. The capacity of the same tanks is certified by M/s LKM Engg Consultant, MEP Consultant dated 06/09/2022. However, the capacity of the same shall be verified & confirmed by the department of Hydraulic Engineer.

The party shall give annual maintenance contract for the firefighting system to the licensed agency for the period of 5 years. A certificate in Form "B" shall be submitted every six months (In January & July) to this office regarding good working condition of the firefighting system as per Maharashtra Fire prevention and life safety Measure Act. 2006.

In view of above as far as this department is concerned this compliance report from firefighting installation point of view is issued to obtain Part Occupation Certificate (i.e., Excluding 1st & 2nd podium) with minor amendments of the said High-rise composite residential building no. 1 comprising of two wings i.e., Rehab Wing & Sale Wing. Both the wings are having ground floor for shops + 1st & 2nd podium floor for stack car parking by the way of 6.00 mtrs wide two-way common ramp (common for sale & rehab building) + 3rd to 22nd upper residential floors with a total height of 69.00 mtrs measured from general ground level up to terrace level.

However, all the firefighting requirements inspected by this department on the day of inspection found in good working condition. It shall be the responsibility of the owner / occupier to observe the fire safety measures, maintain the firefighting system in good working condition from the next day of the inspection. If any item or requirements if missing from the next day, this department or inspecting officer is not responsible for the same. However, it shall be the responsibility of owner/ occupier / co-operative society, whatever the case may be, to maintain all fire protection & firefighting equipment in working condition at all times. All occupiers shall be trained to fight the fire in incipient stage. Electrical audit of entire premises shall be done periodically under the supervision of competent authority to prevent electric fires in future.

In case, if any complaint/ issues raised in future regarding installation of firefighting system, it should be rectified by occupiers and owner accordingly.

Earlier, the Party had paid scrutiny fees of Rs. 3,00,250/- vide receipt no. 2912757 & SAP DOC No. 1001622009 dated 18/12/2013 on the total gross built up area of 10723.00 sq. mtrs. as certified by the Architect.

Further, party had paid scrutiny fees of Rs. 6,27,563/- vide receipt no. 0642502, 0642503 & 0642504 & SAP DOC No. 1004044864 dated 31/03/2021 on the total gross built up area of 15725.64 sq. mtrs. as certified by the Architect

Now, the license surveyor vide his letter dated 10/08/2022 has certified the total gross built-up area as 15725.64 sq. mtrs. and as per the norms, there is no change in gross built up area, hence the party has paid additional minimum scrutiny fees of Rs. 20,000/- vide receipt no. 2254439, 2254440 & 2254441 (Sap Doc no. 1004448365) dated 28/10/2022.

As per MFS & LA 2008 u/s 11(1) & as certified by the license surveyor is the classification of building stated in schedule II/part I/part III/, the party has paid Fire service fee of Rs. 2,35,900/-/- vide receipt no. 2254442, 2254443 & 2254444 (Sap Doc no. 1004448366) dated 28/10/2022 on the total gross built-up area of 15725.64 sq. mtrs. for the said High rise Residential building having height 69.00 mtrs as certified by Architect vide his letter dated 10/08/2022.

However, E.E.(S.R.A.) is requested to verify the total gross built up area and inform this department if the same is found to be more for levying the additional scrutiny fees, if any.

This Compliance report from fire safety point of view for Part Occupation Certificate (i.e., Excluding 1st & 2nd Podium floor) with minor amendment of the said High-rise composite residential building no. 1 i.e., Rehab Wing & Sale Wing, is issued without prejudice to legal matters pending in court of law if any and the inspection report submitted by the Inspecting officer.

Dy. Chief Fire Officer
Mumbai Fire Brigade.

01/11/22

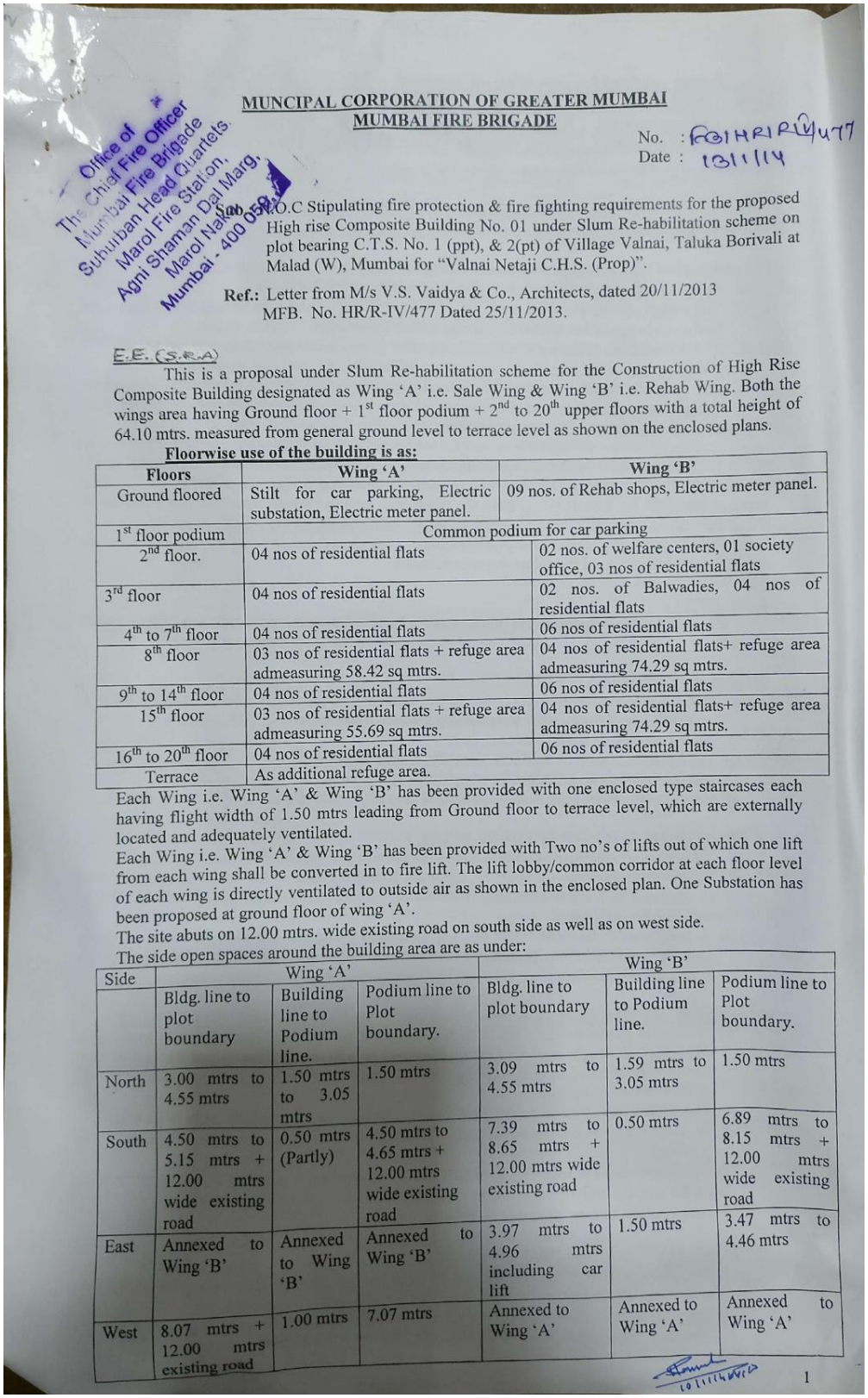
Dy. Chief Fire Officer
Mumbai Fire Brigade.

1/11/2022

AO&C

Copy to:- E.E.(S.R.A.)

CFO Dated on 13.01.2014



MUNCIPAL CORPORATION OF GREATER MUMBAI
MUMBAI FIRE BRIGADE

Office of The Chief Fire Officer Mumbai Fire Brigade Suburban Head Quarters Marol Fire Station, Agni Shaman Dal Marg, Marol Naka Mumbai - 400 059

No. : FB/HR/R-IV/477
Date : 13/1/14

Sub.: O.C Stipulating fire protection & fire fighting requirements for the proposed High rise Composite Building No. 01 under Slum Re-habilitation scheme on plot bearing C.T.S. No. 1 (ppt), & 2(pt) of Village Valnai, Taluka Borivali at Malad (W), Mumbai for "Valnai Netaji C.H.S. (Prop)".

Ref.: Letter from M/s V.S. Vaidya & Co., Architects, dated 20/11/2013
MFB. No. HR/R-IV/477 Dated 25/11/2013.

E.E. (S.R.A)

This is a proposal under Slum Re-habilitation scheme for the Construction of High Rise Composite Building designated as Wing 'A' i.e. Sale Wing & Wing 'B' i.e. Rehab Wing. Both the wings area having Ground floor + 1st floor podium + 2nd to 20th upper floors with a total height of 64.10 mtrs. measured from general ground level to terrace level as shown on the enclosed plans.

Floorwise use of the building is as:

Floors	Wing 'A'	Wing 'B'
Ground floored	Stilt for car parking, Electric substation, Electric meter panel.	09 nos. of Rehab shops, Electric meter panel.
1st floor podium	Common podium for car parking	
2nd floor.	04 nos of residential flats	02 nos. of welfare centers, 01 society office, 03 nos of residential flats
3rd floor	04 nos of residential flats	02 nos. of Balwadies, 04 nos of residential flats
4th to 7th floor	04 nos of residential flats	06 nos of residential flats
8th floor	03 nos of residential flats + refuge area admeasuring 58.42 sq mtrs.	04 nos of residential flats+ refuge area admeasuring 74.29 sq mtrs.
9th to 14th floor	04 nos of residential flats	06 nos of residential flats
15th floor	03 nos of residential flats + refuge area admeasuring 55.69 sq mtrs.	04 nos of residential flats+ refuge area admeasuring 74.29 sq mtrs.
16th to 20th floor	04 nos of residential flats	06 nos of residential flats
Terrace	As additional refuge area.	

Each Wing i.e. Wing 'A' & Wing 'B' has been provided with one enclosed type staircases each having flight width of 1.50 mtrs leading from Ground floor to terrace level, which are externally located and adequately ventilated.

Each Wing i.e. Wing 'A' & Wing 'B' has been provided with Two no's of lifts out of which one lift from each wing shall be converted in to fire lift. The lift lobby/common corridor at each floor level of each wing is directly ventilated to outside air as shown in the enclosed plan. One Substation has been proposed at ground floor of wing 'A'.

The site abuts on 12.00 mtrs. wide existing road on south side as well as on west side.

The side open spaces around the building area are as under:

Side	Wing 'A'			Wing 'B'		
	Bldg. line to plot boundary	Building line to Podium line.	Podium line to Plot boundary.	Bldg. line to plot boundary	Building line to Podium line.	Podium line to Plot boundary.
North	3.00 mtrs to 4.55 mtrs	1.50 mtrs to 3.05 mtrs	1.50 mtrs	3.09 mtrs to 4.55 mtrs	1.59 mtrs to 3.05 mtrs	1.50 mtrs
South	4.50 mtrs to 5.15 mtrs + 12.00 mtrs wide existing road	0.50 mtrs (Partly)	4.50 mtrs to 4.65 mtrs + 12.00 mtrs wide existing road	7.39 mtrs to 8.65 mtrs + 12.00 mtrs wide existing road	0.50 mtrs	6.89 mtrs to 8.15 mtrs + 12.00 mtrs wide existing road
East	Annexed to Wing 'B'	Annexed to Wing 'B'	Annexed to Wing 'B'	3.97 mtrs to 4.96 mtrs including car lift	1.50 mtrs	3.47 mtrs to 4.46 mtrs
West	8.07 mtrs + 12.00 mtrs existing road	1.00 mtrs	7.07 mtrs	Annexed to Wing 'A'	Annexed to Wing 'A'	Annexed to Wing 'A'

1

Refuge provided for each Wing are as under.

Floor	Wing A		Wing 'B'		
	Refuse area in Mtrs(required)	Refuse area in Mtrs(Proposed)	Refuse area in Mtrs(required)	Refuse area in Mtrs(Proposed)	Height of the refuge area.
8th	58.42 sq mtrs	58.42 sq mtrs	69.70 sq mtrs	74.29 sq mtrs	26.40 mtrs
15th	50.13 sq mtrs	55.69 sq mtrs	48.58 sq mtrs	74.29 sq mtrs	46.70 mtrs
terrace	In addition to above terrace will be treated as refuge area				

The proposal has been considered favorably taking into consideration the following:

a. The proposal is under Slum Re-habilitation scheme of DCR 33 (10).
b. The refuge area is provided on 8th & 15th floor facing to the side having to the road side having wide space for special appliances of this department.
c. The site abuts on 12.00 mtrs. wide existing road on south side as well as on west side.
d. Party has agreed not to provide compound wall in between road and buildings.
e. The Architect during course of discussion agreed to provide recommended active & passive fire protection requirements & also assured to provide any additional fire requirements in future from Mumbai Fire Brigade Officer.

In the view of the above as far as this department is concerned, there would be no objection for the Construction of High Rise Composite Building designated as Wing 'A' i.e. Sale Wing & Wing 'B' i.e. Rehab Wing. Both the wings area having Ground floor + 1st floor podium + 2nd to 20th upper floors with a total height of 64.10 mtrs. measured from general ground level to terrace level as per the details shown on enclosed plan signed in token of approval, subject to satisfactory compliances of the following requirements.

1. **ACCESS :**
   There shall be no compound wall in between road and building on south side as well as on west side.

2. **COURTYARDS :**
   i) The entire available courtyards on all the sides of the building shall be paved suitably to bear the load of fire engines weighing up to 48 m. tones each.
   ii) All the courtyards shall be in one plane.
   iii) The courtyards shall be kept free from obstruction at all times.
   iv) Parking shall not be permitted in compulsory open spaces.
   v) No structure of any kind shall be permitted in courtyards of the building.

3. **PROTECTION TO STRUCTURAL STEEL :**
   i) All Structural members of all buildings shall have as per international code.
   ii) All the structural steel members i.e. columns, beams etc of fire lifts and parking floors shall be protected with the fire resisting materials & methods as stipulated under IS 1942-1969 as application for building.
   iii) A certificate to that effect that the fire resistance protection has been provided as above shall be furnished from the chartered Structural Engineer at the time of application for occupying the building.

4. **STAIRCASE (For Wing 'A' & 'B'):**
   i) The layout of the staircase for each building shall be enclosed type as shown in the plan throughout its height and shall be approached (gained) at each floor level through at least half an hour fire resistant self closing door (45 mm. thickness) placed in the enclosed wall of the staircase at landing.
   ii) The flight width of the main staircase shall not be less than 1.5 mtrs throughout its height.
   iii) Permanent vent at the top equal to 5% of the cross sectional area of the staircase shall be provided.
   iv) Open able sashes or R.C.C. grills with clear opening of not less than 0.5 sq.mtrs. per landing on the external wall of the staircase shall be provided.
   v) Nothing shall be kept or stored in staircase / passage.

5. **PODIUM :**
   1) The common Podium at first floor is provided with a 2 no's of car lifts (one car lift from each wing) having entry at the ground level.
   2) Car parking at Podium level floor shall not be enclosed expect for parapet walls.
   3) The drive way shall be designed suitably to bear the point load of 10 kgs / sq. cms.

6. **CAR PARKING :**
   i) The designated parking i.e. stilted area of Wing 'A' and common podium at 1st floor shall be used for car parking only.
   ii) The drainage of the car parking areas shall be separate from that of the building and shall be provided with catch with fire trap before connecting to Municipal Sewer.
   iii) Repairing / servicing of cars, use of naked light shall not be permitted in the car parking areas.
   iv) The parking area shall not be used for dwelling purpose and repairing / maintenance of vehicles, storage, trade activity etc, at any time and use of naked light / flame shall be strictly prohibited.
   v) Vertical deck separation shall be provided between the upper & lower decks of stack parking by using the non-perforated and non combustible materials. (structural steel plate) This is to minimize direct impingement of flame to the car in the upper deck and also to prevent dripping of any possible leaking fuel to the lower deck.
   vi) Stack car parking and horizontal car parking shall be protected with sprinkler system covering all the levels of parking.
   vii) Elements of the stack car parking structure shall have 1 hr. fire resistance.
   viii) Each car parking deck shall have 1 hr. fire resistance.
   ix) Parking area shall be accessible by trained staff when carrying out the maintenance work.
   x) The parking system is to be ceased during the maintenance operation.
   xi) The drive ways shall be properly marked & maintained unobstructed. Proper illuminated signage's for escape routes, ramps, etc. shall be provided at prominent locations.

7. **ESCAPE ROUTE FROM RESIDENTIAL FLATS TO STAIRCASE :**
   i) Corridor / lift lobby at each floor level shall be ventilated to the outside air as shown on the plan.
   ii) The common corridor / lift lobby at each floor level shall be kept free from obstructions at all times.
   iii) Permanent ventilation in form of grill provided to the corridor / lift lobby / staircase area shall not bricked up or closed at any time in the future.

8. **FLAT, BALWADI, WELFARE CENTER, AND KITCHEN ENTRANCE DOORS :**
   Flat, Balwadi, Welfare Center entrance and kitchen entrance doors shall be of solid core having fire resistance of not less than half an hour (solid wood of 45 mm. thicknesses).

9. **FIRE LIFT AND OTHER LIFT (For Wing 'A' & 'B'):**
   1. Walls enclosing lift shafts shall have fire resistance of not less than two hours.
   2. Shafts shall have permanent vents of not les than 0.2 sq. mtrs. in clear area immediately under the machine room.
   3. Landing doors and lift car doors of the lifts shall be of steel shuttered with fire resistance of one hour. Collapsible door/shutter shall not be permitted.
   4. One of the lifts from each wing i.e. Wing 'A' & Wing 'B' shall be converted into fire lift and it shall conform to the specifications laid down under the Rules.
   5. The electric supply for the fire lift shall be on a separate electric supply mains in a building and the cables run in a route safe from fire i.e. within the lift shaft.
   6. The words 'Fire lift' shall be conspicuously displayed in fluorescent paint on the lift landing doors at each floor level.

10. **ELECTRIC CABLE DUCT AND ELECTRIC METER ROOM(For Wing 'A' & 'B') :**
   i) Electric cable duct shall be exclusively used for electric cables and should not open in staircase enclosure.
   ii) Inspection doors for duct if provided shall have two hours fire resistance.
   iii) Electric duct shall be sealed at each floor level with non combustible materials such as vermiculite concrete. No storage of any kind shall be done in electric duct.
   iv) Electric wiring/ cable shall be hallon-free, non-toxic, non-flammable, low smoke hazard having copper core for the entire building with provision of ELCB/MCB.
   v) Electric meter room/cabin shall be provided at location marked on the plan. It shall be adequately ventilated.

11. **ELETRIC SUB STATION(For Wing 'A'):**
   1 Only dry type substation/transformers shall be installed.
   2 Entire installation of substation including switchgear room, capacitors, transformer etc. shall be confirmed to the Indian Electric Act/Rules in practice.
   3 Cables in the cable trenches shall be coated with fire retardant material.

4 Automatic built-in circuit breakers shall be provided in the substation/transformer.
5 The door of the sub-station shall be of two hours fire resistance.
6 The capacity of the substation shall be as per service provider's requirements.
7 Adequate heating ventilation of switch room is essential to prevent condensation of moistures.
8 The substation/transformer area shall be kept prohibited and no unauthorized person shall be allowed to enter in the area.
9 The proposed substation shall be completely segregated either by brick masonry wall each of 9" thickness or R.C.C od 4" thickness from the rest of the premises as shown in the enclosed plans.
10 The danger signage on the substation fencing along with the electric voltage load.
11 Entrance and exit door provided for transformer fencing shall be under lock and key at all the times.
12 Two nos. of Trolley type foam extinguishers of 50 ltrs. capacity each (with ISI mark) shall be provided at easily accessible place near transformer area.
13 Two dry chemical power type (ABC stored pressure type) fire extinguishers of 10 kgs. capacity each with ISI certification mark coupled with four buckets filled with dry clean sand shall be kept on the sub-station.

12. ESCAPE ROUTE LIGHTING :

Escape route lighting (staircase and corridor lighting) shall be on independent circuits as per rules.

13. FIRE FIGHTING REQUIREMENTS :

A) UNDERGROUND WATER STORAGE TANK (Common For Wing 'A' & 'B'):

An underground water storage tank of 3,00,000 liters capacity shall be provided at location marked on the plan as per design specified in the rules with baffle wall and fire brigade collecting breaching.

B) OVERHEAD WATER STORAGE TANK (Separate For Wing 'A' & 'B'):

A tank of 30,000 liters capacity shall be provided at the terrace level. The design shall be got approved form H.E.'s department prior to erection. The tank shall be connected to the wet riser through a booster pump through a non return valve and gate valve.

C) WET RISER (Separate For Wing 'A' & 'B'):

Wet riser of internal diameter of 15 cms. of G.I. 'C' class pipe shall be provided in duct as shown on the enclosed plan, with twin hydrant outlet and hose reel on each floor in such a way as not to reduce the width of the passage/staircase. Pressure reducing discs or orifices shall be provided at lower level so as not to exceed the pressure of 5.5 kgs/sq.cm. A fire service inlet on the static tank directly fronting courtyards shall be provided to connect the mobile pump of the fire service to the wet riser.

D) AUTOMATIC SPRINKLERS SYSTEM:

Automatic sprinkler system shall be provided at 1st floor podium car parking & lift lobby/common corridor at each floor of the building as per the standards laid down by NBC or relevant IS specification.

E) FIRE PUMP, (Common For Wing 'A' & 'B'), BOOSTER PUMP(Separate For Wing 'A' & 'B'), SPRINKLER PUMP AND JOCKEY PUMP(Common For Wing 'A' & 'B')

a. Wet riser shall be connected to a fire pump at ground level of capacity of not less than 2400 liters/min. capable of giving pressure of not less than 3.2 kgs/sq.cms. at the top most hydrant.
b. Booster pump of capacity 900 liters/min. giving a pressure of not less than 3.2 kgs./sq.cms. at the topmost hydrant outlet of the wet riser shall be provided at the terrace level of each wing.
c. Two way switches for the booster pump shall be provided at top floor level of each wing as well as at ground level easily accessible/noticeable of the building.
d. Sprinkler pump of suitable capacity along with jockey pump shall be provided for automatic sprinkler system.
e. Electric supply (normal) to these pumps shall be on independent circuit.

F) EXTERNAL HYDRANTS :

Six external hydrants shall be provided within the confines of the site on the wet riser at location marked on the plans. In addition to this the podium floor shall be provided with two no of hydrants.

G) **AUTOMATIC SMOKE DETECTION SYSTEM (Separate For Wing 'A' & 'B'):**
Automatic smoke detection system shall be installed at the, Lift machine room and the electric meter room as per IS specifications.

H) **ALTERNATE SOURCE OF POWER SUPPLY:**
An alternate source of LV/HV supply from a separate substation or from a diesel generator with appropriate changeover over switch shall be provided for fire lifts, fire pumps, booster pump, sprinkler pump, jockey pump, staircase and corridor lighting circuits and fire alarm system. It shall be housed in separate cabin.

I) **PORTABLE FIRE EXTINGUISHERS (Separate For Wing 'A' & 'B'):**
a) One dry chemical powder type fire extinguisher of 10kgs. capacity having ISI certification mark and two buckets filled with dry, clean sand shall be kept in electric meter room and lift machine room.
b) Four dry chemical powder (ABC type) fire extinguishers each of 09kgs. capacity having ISI certification mark and four buckets filled with dry, clean sand shall be provided at 1st floor podium car parking level at easily accessible locations.
c) One dry chemical powder type fire extinguisher of 09kgs. capacity having ISI certification mark shall be kept in each shop of Wing 'B'.

J) **HOSES & HOSE BOXES :**
Four Hose Boxes, each with two hoses of 15mts length of 63mm dia along with branch shall be provided near wet riser landing valve on ground floor.
Two Hose Boxes, each with two hoses of 15mts length of 63mm dia along with branch shall be provided near wet riser landing valve on 1st floor podium.

14. **FIRE ALARM SYSTEM(Separate for Wing 'A' & 'B'):**
Entire building shall be provided with manual fire alarm system with main control panel at ground floor level and pillbox and hooters at each of the upper floors. The layout of the fire alarm system shall be in accordance with Indian Standard Specification.

15. **EMERGENCY EXIT :**
All exits to staircases shall be indicated in yellow radium paint.

16. **TRAINED STAFF / SECURITY GUARDS:**
The trained staff / Security guards having basic knowledge of fire fighting & fix fire fighting installation shall be provided / posted in the building. They will be responsible for the following;
1) Maintenance of all the first aid fire fighting equipments, fixed installations & other fire fighting equipments / appliance in good working condition at all times.
2) Imparting training to the occupants of the building in the use of firefighting equipment provided on the premises & to conduct the fire drills and evacuation drills

17. **REFUGE AREA**
A. The Refuge area of 58.42 sq mtrs is provided at 8th floor & 15th floor level of Wing 'A' & 74.29 sq mtrs is provided at 8th floor & 15th floor level of Wing 'B' within building line & shall confirm to the following requirements.
i) The layout of refuge area shall not be changed / modified at any time in future.
ii) The refuge area shall be provided with railing / parapet of 1.10 mtrs. height on open side and shall be of sound construction.
iii) There shall not be any opening/s into the refuge area from any portion of the occupied premises.
iv) Refuge area shall be segregated by brick masonry partition wall of 9" thickness or concrete block wall of 6" thickness and access to the refuge area shall be gained through half an hour fire resistance self closing door.
v) The refuge area shall be earmarked exclusively for the use of occupants as temporary shelter and for the use of fire brigade or any other organization dealing with fire or other emergency when it occurs in the building and also for exercises / drills, if conducted by the Fire Brigade Department.
vi) The refuge area shall not be allowed to be used for any other purpose and it shall be responsibility of the owner / occupier to maintain the same clean and free of encumbrance and encroachments at all times.

vii) The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint mentioning "REFUGE AREA IN CASE OF EMERGENCY".
viii) Adequate drinking water facility shall be provided in the refuge area.
ix) Adequate emergency lighting facility connected to the electric circuit to the staircase, corridor / passage etc. lighting shall be provided in the refuge area.

B. In addition to above the terrace of the each building No.1 & 2 shall be treated as refuge area and shall be provided as under:
i) The entrance door to the refuge area shall be painted or fixed with a sign painted in luminous paint mentioning "REFUGE AREA IN CASE OF EMERGENCY".
ii) Adequate drinking water facility shall be provided in the refuge area.
iii) Adequate emergency lighting facility connected to the electric circuit to the staircase, corridor / passage etc. lighting shall be provided.

Party has paid `Scrutiny Fees of Rs. 3,00,250/- vide receipt No. 2912757 and SAP Doc No. 1001622009 dated 18/12/2013 on the gross built-up area of 10723.00 sq. mtrs. as certified by the Architect vide their letter dated 20/11/2013.

However, E.E.B.P. (W.S.) is requested to verify the gross built up area and inform this office, if found to be more for the purpose of levying additional scrutiny fees.

- Sd -
Dy.Chief Fire Officer
Mumbai Fire Brigade

Copy to: M/s V.S. Vaidya & Co. Architects

10.1.14
Dy.Chief Fire Officer
Mumbai Fire Brigade

Annexure 7: Tree NOC

MUNICIPAL CORPORATION OF GREATER MUMBAI
TREE AUTHORITY

Office of the Supdt.of Gardens
Veermata Jijabai Bhosale Udyan
Dr.Ambedkar Road, Byculla (E),
Mumbai-400 027.
No. : DySG/TA/ZIV/ 32/CC

Date : 11/11/13

To
M/s. Siddharth Enterprises.
B-101/103, New Look Apartments,
M.M.G.S. Road Dadar (E),
Mumbai – 400014.

Sub : N.O.C.for C.C. for proposed Slum Rehabilitation Scheme on Plot Bearing C.T.S No.1(pt), and 2(pt), of Village Valnai, Taluka Borivali, At Malad (W) for "Valnai Netaji SRA CHS (prop)".

Dear Sir,

Please refer to your architect's letter No.J5088(B)/TA/LO1/2013 dated 02/09/2013 on the above cited subject.

There is no objection to allow you to develop the property as proposed in the plan submitted by you as Nil Tree are coming in the construction of proposed Residantial Building.

Further, N.O.C. for planting requisite trees in the open space at the rate of per 100 sq. mtr. and trees per 100 sq. mtr. in R.G. should be obtained from the Tree Officer before getting Occupation / Commencement Certificate.

The existing **2** trees which are on plot should be preserved where they are. Further requisite number of new trees should be planted as per the norms at the said plot.

Thanking you.

Yours faithfully,

Supdt.of Gardens
& Tree Officer

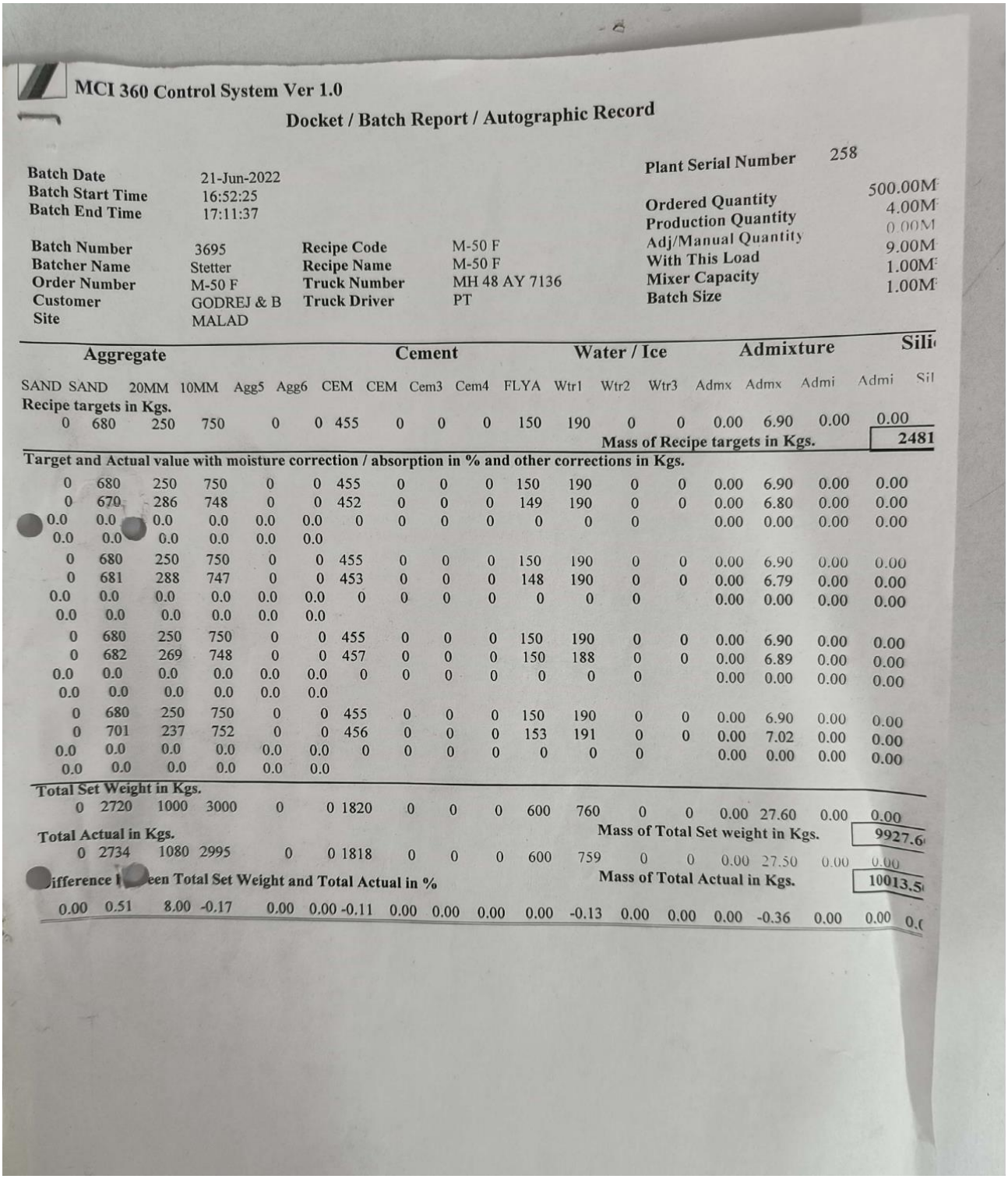
Copy to : 1)V.S.Vaidya & Co.Architects,
structural Engineers, & Project Consultants,
437, Hind Rajasthan Building,
Dadasaheb Phalke Road,,
Dadar (E) ,Mumbai – 400014.

2)Jt. Tree Officer P/North "H/West" Ward

For information and necessary action please.

Supdt.of Gardens
& Tree Officer

Annexure 8 : RMC Certificate

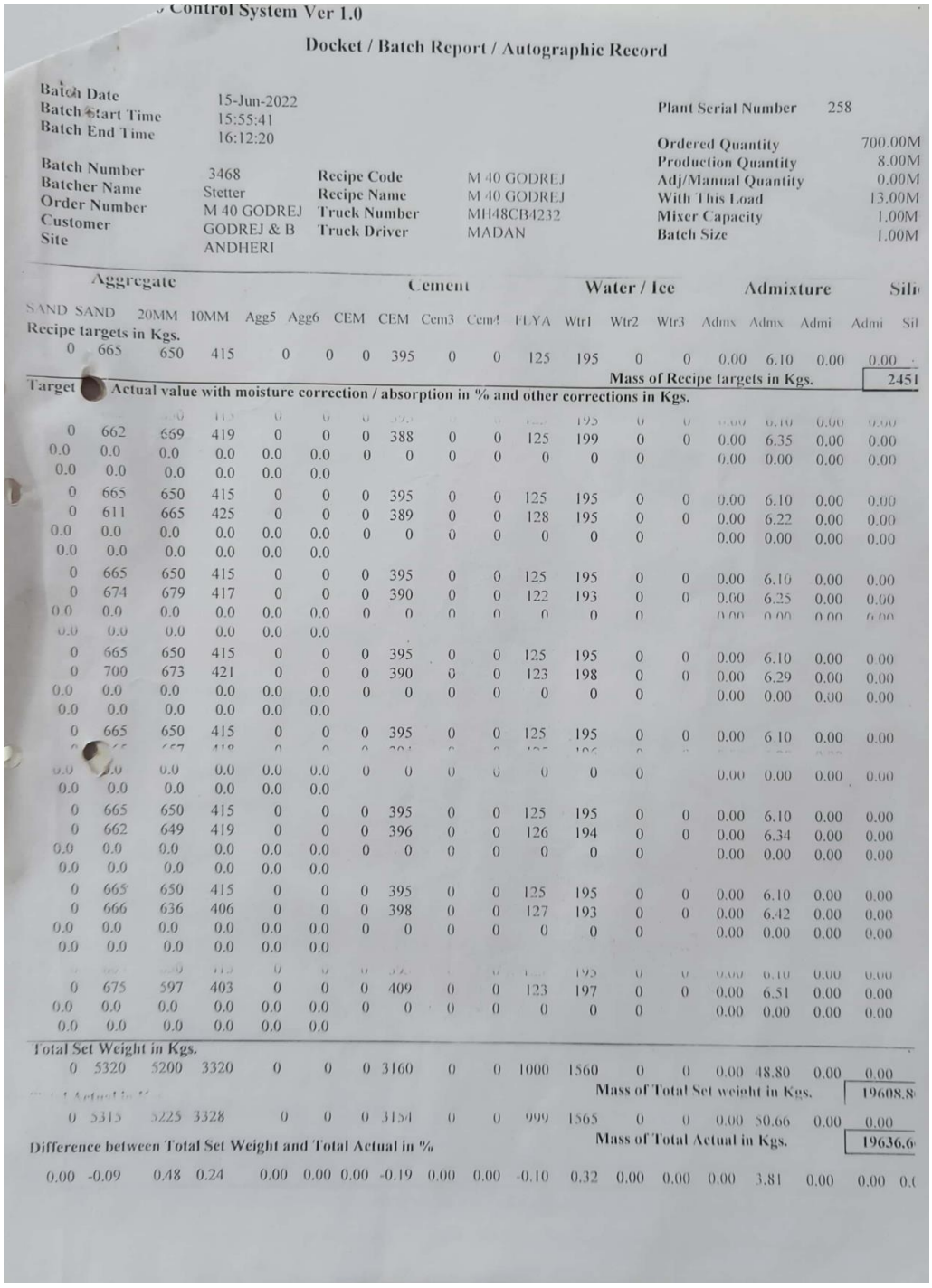


MCI 360 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	21-Jun-2022			**Plant Serial Number**	258
Batch Start Time	16:52:25			**Ordered Quantity**	500.00M³
Batch End Time	17:11:37			**Production Quantity**	4.00M³
				Adj/Manual Quantity	0.00M³
Batch Number	3695	**Recipe Code**	M-50 F	**With This Load**	9.00M³
Batcher Name	Stetter	**Recipe Name**	M-50 F	**Mixer Capacity**	1.00M³
Order Number	M-50 F	**Truck Number**	MH 48 AY 7136	**Batch Size**	1.00M³
Customer	GODREJ & B	**Truck Driver**	PT		
Site	MALAD				

Aggregate						Cement					Water / Ice			Admixture				Sili
SAND	SAND	20MM	10MM	Agg5	Agg6	CEM	CEM	Cem3	Cem4	FLYA	Wtr1	Wtr2	Wtr3	Admx	Admx	Admi	Admi	Sil
Recipe targets in Kgs.																		
0	680	250	750	0	0	455	0	0	0	150	190	0	0	0.00	6.90	0.00	0.00	
														Mass of Recipe targets in Kgs.			**2481**	
Target and Actual value with moisture correction / absorption in % and other corrections in Kgs.																		
0	680	250	750	0	0	455	0	0	0	150	190	0	0	0.00	6.90	0.00	0.00	
0	670	286	748	0	0	452	0	0	0	149	190	0	0	0.00	6.80	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
0	680	250	750	0	0	455	0	0	0	150	190	0	0	0.00	6.90	0.00	0.00	
0	681	288	747	0	0	453	0	0	0	148	190	0	0	0.00	6.79	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
0	680	250	750	0	0	455	0	0	0	150	190	0	0	0.00	6.90	0.00	0.00	
0	682	269	748	0	0	457	0	0	0	150	188	0	0	0.00	6.89	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
0	680	250	750	0	0	455	0	0	0	150	190	0	0	0.00	6.90	0.00	0.00	
0	701	237	752	0	0	456	0	0	0	153	191	0	0	0.00	7.02	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
Total Set Weight in Kgs.																		
0	2720	1000	3000	0	0	1820	0	0	0	600	760	0	0	0.00	27.60	0.00	0.00	
Total Actual in Kgs.														**Mass of Total Set weight in Kgs.**			**9927.6**	
0	2734	1080	2995	0	0	1818	0	0	0	600	759	0	0	0.00	27.50	0.00	0.00	
Difference between Total Set Weight and Total Actual in %														**Mass of Total Actual in Kgs.**			**10013.5**	
0.00	0.51	8.00	-0.17	0.00	0.00	-0.11	0.00	0.00	0.00	0.00	-0.13	0.00	0.00	0.00	-0.36	0.00	0.00	0.0



Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	15-Jun-2022			Plant Serial Number	258
Batch Start Time	15:55:41				
Batch End Time	16:12:20			Ordered Quantity	700.00M
				Production Quantity	8.00M
Batch Number	3468	Recipe Code	M 40 GODREJ	Adj/Manual Quantity	0.00M
Batcher Name	Stetter	Recipe Name	M 40 GODREJ	With This Load	13.00M
Order Number	M 40 GODREJ	Truck Number	MH48CB4232	Mixer Capacity	1.00M
Customer	GODREJ & B	Truck Driver	MADAN	Batch Size	1.00M
Site	ANDHERI				

	Aggregate					Cement					Water / Ice			Admixture				Sili
	SAND	SAND	20MM	10MM	Agg5	Agg6	CEM	CEM	Cem3	Cem4	FLYA	Wtr1	Wtr2	Wtr3	Admx	Admx	Admi	Admi	Sil
Recipe targets in Kgs.	0	665	650	415	0	0	0	395	0	0	125	195	0	0	0.00	6.10	0.00	0.00	
Mass of Recipe targets in Kgs.																		2451	
Target / Actual value with moisture correction / absorption in % and other corrections in Kgs.																			
	0	662	669	419	0	0	0	388	0	0	125	199	0	0	0.00	6.35	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0													
	0	665	650	415	0	0	0	395	0	0	125	195	0	0	0.00	6.10	0.00	0.00	
	0	611	665	425	0	0	0	389	0	0	128	195	0	0	0.00	6.22	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0													
	0	665	650	415	0	0	0	395	0	0	125	195	0	0	0.00	6.10	0.00	0.00	
	0	674	679	417	0	0	0	390	0	0	122	193	0	0	0.00	6.25	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0													
	0	665	650	415	0	0	0	395	0	0	125	195	0	0	0.00	6.10	0.00	0.00	
	0	700	673	421	0	0	0	390	0	0	123	198	0	0	0.00	6.29	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0													
	0	665	650	415	0	0	0	395	0	0	125	195	0	0	0.00	6.10	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0													
	0	665	650	415	0	0	0	395	0	0	125	195	0	0	0.00	6.10	0.00	0.00	
	0	662	649	419	0	0	0	396	0	0	126	194	0	0	0.00	6.34	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0													
	0	665	650	415	0	0	0	395	0	0	125	195	0	0	0.00	6.10	0.00	0.00	
	0	666	636	406	0	0	0	398	0	0	127	193	0	0	0.00	6.42	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0													
	0	675	597	403	0	0	0	409	0	0	123	197	0	0	0.00	6.51	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
	0.0	0.0	0.0	0.0	0.0	0.0													
Total Set Weight in Kgs.	0	5320	5200	3320	0	0	0	3160	0	0	1000	1560	0	0	0.00	48.80	0.00	0.00	
Mass of Total Set weight in Kgs.																		19608.8	
Total Actual in Kgs.	0	5315	5225	3328	0	0	0	3154	0	0	999	1565	0	0	0.00	50.66	0.00	0.00	
Difference between Total Set Weight and Total Actual in %																		Mass of Total Actual in Kgs.	19636.6
	0.00	-0.09	0.48	0.24	0.00	0.00	0.00	-0.19	0.00	0.00	-0.10	0.32	0.00	0.00	0.00	3.81	0.00	0.00	0.0

MCI 550 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	30/07/2022			Plant Serial Number	-114
Batch Start Time	20:30:43				
Batch End Time	20:26:43	Recipe Code	M 40	Ordered Quantity	5.00M³
Batch Number	109610	Recipe Name	M 40	Production Quantity	5.00M³
Batcher Name	Stetter	Truck Number	MH 47 Y 9918	Adj/Manual Quantity	0.00M³
Order Number	M 40	Truck Driver	SATRUGAN	With This Load	5.00M³
Customer ID	GODREJ & BOYCE			Mixer Capacity	1.25M³
Customer Name	GODREJ & BOYCE			Batch Size	1.25M³
Site	MALAD				

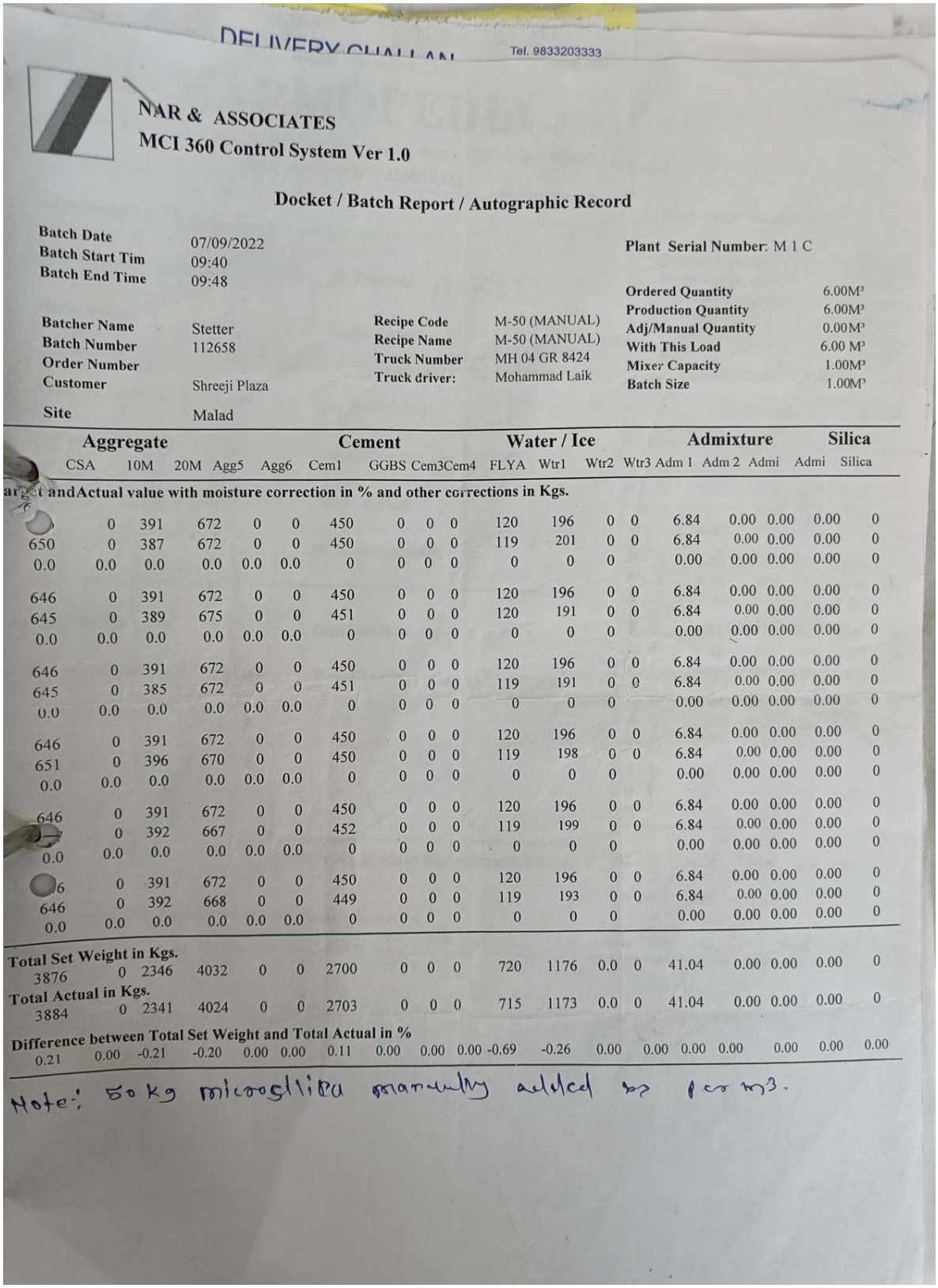
Aggregate						Cement					Water / Ice			Admixture			Silica	
CSAN	RSAN	20MM	10MM	Agg5	Agg6	Cem1	Cem2	Cem3	Cem4	FLYAS	Wtr1	Wtr2	Wtr3	Adm1	Adm2	Admi	Admi	Silica
Recipe targets in Kgs.																		
692	0	689	393	0	0	395	0	0	0	125	177	0	0	5.72	0.00	0.00	0.00	0
																	Mass of Recipe Targets in Kgs.	2476.72
Target and Actual value with moisture Correction / absorption in % and other corrections in Kgs																		
865	0	861	491	0	0	494	0	0	0	156	221	0	0	7.15	0.00	0.00	0.00	0
868	0	864	495	0	0	493	0	0	0	151	215	0	0	7.08	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0.0	0.0													
865	0	861	491	0	0	494	0	0	0	156	221	0	0	7.15	0.00	0.00	0.00	0
861	0	862	485	0	0	495	0	0	0	157	218	0	0	7.08	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0.0	0.0													
865	0	861	491	0	0	494	0	0	0	156	221	0	0	7.15	0.00	0.00	0.00	0
859	0	855	487	0	0	494	0	0	0	150	225	0	0	7.23	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0.0	0.0													
865	0	861	491	0	0	494	0	0	0	156	221	0	0	7.15	0.00	0.00	0.00	0
863	0	857	493	0	0	492	0	0	0	159	223	0	0	7.24	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
0.00	0.00	0.00	0.00	0.0	0.0													
Total Set Weight in Kgs.																		
3462	0	3444	1964	0	0	1976	0	0	0	624	884	0	0	28.60	0.00	0.00	0.00	0
																	Mass of Total Set Weight in Kgs.	12380.60
Total Actual in Kgs.																		
3451	0	3438	1960	0	0	1974	0	0	0	617	881	0	0	28.63	0.00	0.00	0.00	0
																	Mass of Total Actual in Kgs.	12349.63
Difference between Total Set Weight and Total Actual in %																		
-0.26	0.00	-0.17	-0.20	0.00	0.00	-0.10	0.00	0.00	0.00	-1.13	-0.34	0.00	0.00	0.10	0.00	0.00	0.00	0.00

MCI 360 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	06-Aug-2022			Plant Serial Number	258
Batch Start Time	07:29:46				
Batch End Time	07:42:08			Ordered Quantity	700.00M
				Production Quantity	6.00M
Batch Number	5181	Recipe Code	M 40 GODREJ	Adj/Manual Quantity	0.00M
Batcher Name	Stetter	Recipe Name	M 40 GODREJ	With This Load	24.00M
Order Number	M 40 GODREJ	Truck Number	MH43BX 9886	Mixer Capacity	1.00M
Customer	GODREJ & B	Truck Driver	CHHOTE LALL	Batch Size	1.00M
Site	MALAD				

	Aggregate					Cement				Water / Ice			Admixture			Sili
SAND	SAND	20MM	10MM	Agg5	Agg6	CEM	CEM	Cem3	Cem4	FLYA	Wtr1	Wtr2	Wtr3	Admx	Admx	Admi	Admi	Sil
Recipe targets in Kgs.																		
0	670	670	420	0	0	0	395	0	0	125	200	0	0	0.00	6.20	0.00	0.00	
													Mass of Recipe targets in Kgs.					2486
Target and Actual value with moisture correction / absorption in % and other corrections in Kgs.																		
0	670	670	420	0	0	0	395	0	0	125	200	0	0	0.00	6.20	0.00	0.00	
0	635	680	409	0	0	0	390	0	0	117	201	0	0	0.00	6.05	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
0	0	670	420	0	0	0	395	0	0	125	200	0	0	0.00	6.20	0.00	0.00	
0	650	677	412	0	0	0	390	0	0	122	199	0	0	0.00	6.07	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
0	670	670	420	0	0	0	395	0	0	125	200	0	0	0.00	6.20	0.00	0.00	
0	644	677	416	0	0	0	392	0	0	121	198	0	0	0.00	6.12	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
0	670	670	420	0	0	0	395	0	0	125	200	0	0	0.00	6.20	0.00	0.00	
0	658	674	418	0	0	0	394	0	0	122	198	0	0	0.00	6.17	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
0	670	670	420	0	0	0	395	0	0	125	200	0	0	0.00	6.20	0.00	0.00	
0	682	669	423	0	0	0	397	0	0	125	201	0	0	0.00	6.26	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
0	670	670	420	0	0	0	395	0	0	125	200	0	0	0.00	6.20	0.00	0.00	
0	713	660	433	0	0	0	402	0	0	134	202	0	0	0.00	6.39	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	
0.0	0.0	0.0	0.0	0.0	0.0													
Total Set Weight in Kgs.																		
0	4020	4020	2520	0	0	0	2370	0	0	750	1200	0	0	0.00	37.20	0.00	0.00	
													Mass of Total Set weight in Kgs.					14917.2
Total Actual in Kgs.																		
0	3982	4037	2511	0	0	0	2365	0	0	741	1199	0	0	0.00	37.06	0.00	0.00	
													Mass of Total Actual in Kgs.					14872.0
Difference between Total Set Weight and Total Actual in %																		
0.00	-0.95	0.42	-0.36	0.00	0.00	0.00	-0.21	0.00	0.00	-1.20	-0.08	0.00	0.00	0.00	-0.38	0.00	0.00	0.0



DELIVERY CHALLAN Tel. 9833203333

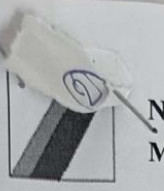
NAR & ASSOCIATES
MCI 360 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	07/09/2022			**Plant Serial Number:** M 1 C	
Batch Start Tim	09:40				
Batch End Time	09:48			**Ordered Quantity**	6.00M³
				Production Quantity	6.00M³
Batcher Name	Stetter	**Recipe Code**	M-50 (MANUAL)	**Adj/Manual Quantity**	0.00M³
Batch Number	112658	**Recipe Name**	M-50 (MANUAL)	**With This Load**	6.00 M³
Order Number		**Truck Number**	MH 04 GR 8424	**Mixer Capacity**	1.00M³
Customer	Shreeji Plaza	**Truck driver:**	Mohammad Laik	**Batch Size**	1.00M³
Site	Malad				

Aggregate					Cement				Water / Ice				Admixture			Silica	
CSA	10M	20M	Agg5	Agg6	Cem1	GGBS	Cem3	Cem4	FLYA	Wtr1	Wtr2	Wtr3	Adm 1	Adm 2	Admi	Admi	Silica
Target and Actual value with moisture correction in % and other corrections in Kgs.																	
0	391	672	0	0	450	0	0	0	120	196	0	0	6.84	0.00	0.00	0.00	0
650	0	387	672	0	0	450	0	0	0	119	201	0	0	6.84	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
646	0	391	672	0	0	450	0	0	0	120	196	0	0	6.84	0.00	0.00	0.00	0
645	0	389	675	0	0	451	0	0	0	120	191	0	0	6.84	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
646	0	391	672	0	0	450	0	0	0	120	196	0	0	6.84	0.00	0.00	0.00	0
645	0	385	672	0	0	451	0	0	0	119	191	0	0	6.84	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
646	0	391	672	0	0	450	0	0	0	120	196	0	0	6.84	0.00	0.00	0.00	0
651	0	396	670	0	0	450	0	0	0	119	198	0	0	6.84	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
646	0	391	672	0	0	450	0	0	0	120	196	0	0	6.84	0.00	0.00	0.00	0
[illegible]	0	392	667	0	0	452	0	0	0	119	199	0	0	6.84	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
[illegible]6	0	391	672	0	0	450	0	0	0	120	196	0	0	6.84	0.00	0.00	0.00	0
646	0	392	668	0	0	449	0	0	0	119	193	0	0	6.84	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
Total Set Weight in Kgs.																	
3876	0	2346	4032	0	0	2700	0	0	0	720	1176	0.0	0	41.04	0.00	0.00	0.00	0
Total Actual in Kgs.																	
3884	0	2341	4024	0	0	2703	0	0	0	715	1173	0.0	0	41.04	0.00	0.00	0.00	0
Difference between Total Set Weight and Total Actual in %																	
0.21	0.00	-0.21	-0.20	0.00	0.00	0.11	0.00	0.00	0.00	-0.69	-0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: 50 kg microsilica manually added @ per m3.

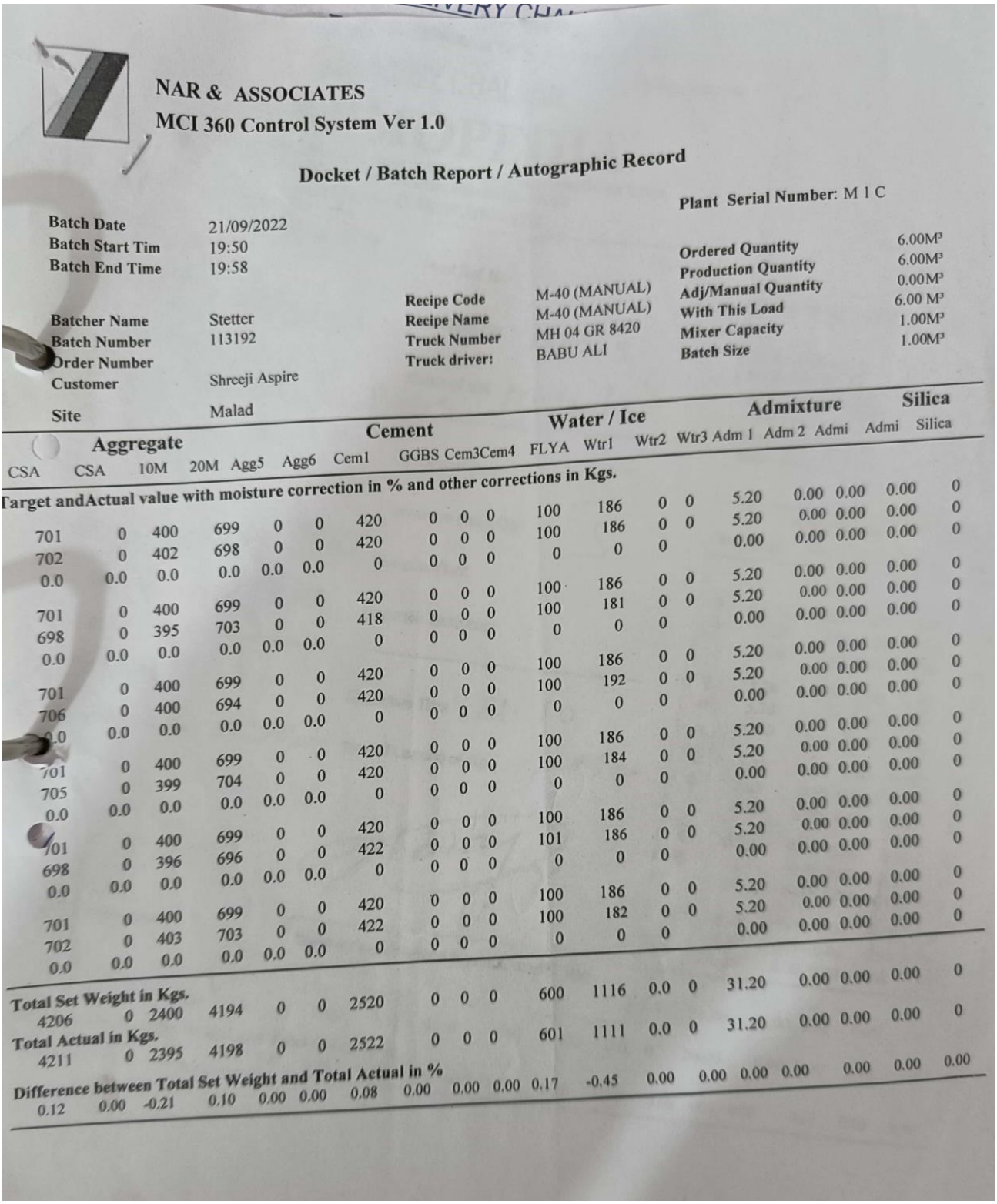


NAR & ASSOCIATES
MCI 360 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	03/09/2022			**Plant Serial Number:** M 1 C	
Batch Start Tim	15:45				
Batch End Time	15:54			**Ordered Quantity**	7.00M³
				Production Quantity	7.00M³
		Recipe Code	M-30 (MANUAL)	**Adj/Manual Quantity**	0.00M³
Batcher Name	Stetter	**Recipe Name**	M-30 (MANUAL)	**With This Load**	7.00 M³
Batch Number	112620	**Truck Number**	MH04JK9042	**Mixer Capacity**	1.00M³
Order Number		**Truck driver:**	Raju	**Batch Size**	1.00M³
Customer	Shreeji Plaza				
Site	Malad				

Aggregate						Cement				Water / Ice				Admixture			Silica	
CSA	CSA	10M	20M	Agg5	Agg6	Cem1	GGBS	Cem3	Cem4	FLYA	Wtr1	Wtr2	Wtr3	Adm 1	Adm 2	Admi	Admi	Silica
and Actual value with moisture correction in % and other corrections in Kgs.																		
797	0	414	649	0	0	385	0	0	0	65	195	0	0	5.17	0.00	0.00	0.00	0
800	0	411	645	0	0	386	0	0	0	65	197	0	0	5.17	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
797	0	414	649	0	0	385	0	0	0	65	195	0	0	5.17	0.00	0.00	0.00	0
801	0	419	645	0	0	385	0	0	0	66	194	0	0	5.17	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
797	0	414	649	0	0	385	0	0	0	65	195	0	0	5.17	0.00	0.00	0.00	0
794	0	413	648	0	0	384	0	0	0	64	198	0	0	5.17	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
797	0	414	649	0	0	385	0	0	0	65	195	0	0	5.17	0.00	0.00	0.00	0
802	0	409	647	0	0	383	0	0	0	65	200	0	0	5.17	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
797	0	414	649	0	0	385	0	0	0	65	195	0	0	5.17	0.00	0.00	0.00	0
799	0	409	651	0	0	385	0	0	0	65	190	0	0	5.17	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
797	0	414	649	0	0	385	0	0	0	65	195	0	0	5.17	0.00	0.00	0.00	0
791	0	410	646	0	0	386	0	0	0	65	197	0	0	5.17	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
797	0	414	649	0	0	385	0	0	0	65	195	0	0	5.17	0.00	0.00	0.00	0
795	0	410	649	0	0	385	0	0	0	66	195	0	0	5.17	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
Total Set Weight in Kgs.																		
5579	0	2898	4543	0	0	2695	0	0	0	455	1365	0.0	0	36.19	0.00	0.00	0.00	0
Total Actual in Kgs.																		
5582	0	2881	4531	0	0	2694	0	0	0	456	1371	0.0	0	36.19	0.00	0.00	0.00	0
Difference between Total Set Weight and Total Actual in %																		
0.05	0.00	-0.59	-0.26	0.00	0.00	-0.04	0.00	0.00	0.00	0.22	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00



NAR & ASSOCIATES

MCI 360 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Plant Serial Number: M 1 C

Batch Date	21/09/2022			**Ordered Quantity**	6.00M³
Batch Start Tim	19:50			**Production Quantity**	6.00M³
Batch End Time	19:58			**Adj/Manual Quantity**	0.00M³
		Recipe Code	M-40 (MANUAL)	**With This Load**	6.00 M³
Batcher Name	Stetter	**Recipe Name**	M-40 (MANUAL)	**Mixer Capacity**	1.00M³
Batch Number	113192	**Truck Number**	MH 04 GR 8420	**Batch Size**	1.00M³
Order Number		**Truck driver:**	BABU ALI		
Customer	Shreeji Aspire				
Site	Malad				

Aggregate						Cement				Water / Ice				Admixture			Silica	
CSA	CSA	10M	20M	Agg5	Agg6	Cem1	GGBS	Cem3	Cem4	FLYA	Wtr1	Wtr2	Wtr3	Adm 1	Adm 2	Admi	Admi	Silica
Target and Actual value with moisture correction in % and other corrections in Kgs.																		
701	0	400	699	0	0	420	0	0	0	100	186	0	0	5.20	0.00	0.00	0.00	0
702	0	402	698	0	0	420	0	0	0	100	186	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
701	0	400	699	0	0	420	0	0	0	100	186	0	0	5.20	0.00	0.00	0.00	0
698	0	395	703	0	0	418	0	0	0	100	181	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
701	0	400	699	0	0	420	0	0	0	100	186	0	0	5.20	0.00	0.00	0.00	0
706	0	400	694	0	0	420	0	0	0	100	192	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
701	0	400	699	0	0	420	0	0	0	100	186	0	0	5.20	0.00	0.00	0.00	0
705	0	399	704	0	0	420	0	0	0	100	184	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
701	0	400	699	0	0	420	0	0	0	100	186	0	0	5.20	0.00	0.00	0.00	0
698	0	396	696	0	0	422	0	0	0	101	186	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
701	0	400	699	0	0	420	0	0	0	100	186	0	0	5.20	0.00	0.00	0.00	0
702	0	403	703	0	0	422	0	0	0	100	182	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
Total Set Weight in Kgs.																		
4206	0	2400	4194	0	0	2520	0	0	0	600	1116	0.0	0	31.20	0.00	0.00	0.00	0
Total Actual in Kgs.																		
4211	0	2395	4198	0	0	2522	0	0	0	601	1111	0.0	0	31.20	0.00	0.00	0.00	0
Difference between Total Set Weight and Total Actual in %																		
0.12	0.00	-0.21	0.10	0.00	0.00	0.08	0.00	0.00	0.00	0.17	-0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DEV RMC LLP

MCI 360 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	04/10/2022			**Plant Serial Number**	MIT-201
Batch Start Time	14:01:19				
Batch End Time	14:06:59			**Orderd Quantity**	5.00M³
				Production Quantity	5.00M³
Batch Number	40906	**Recipe Code**	M 40	**Adj/Manual Quantity**	0.00M³
Batcher Name	Stetter	**Recipe Name**	M 40	**With This Load**	5.00M³
Order Number		**Truck Number**	MH-48-AY-0072	**Mixer Capacity**	1.00M³
Customer	NARESH ENTERPR	**Truck Driver**	MUKTAR	**Batch Size**	1.00M³
Site	Malad West				

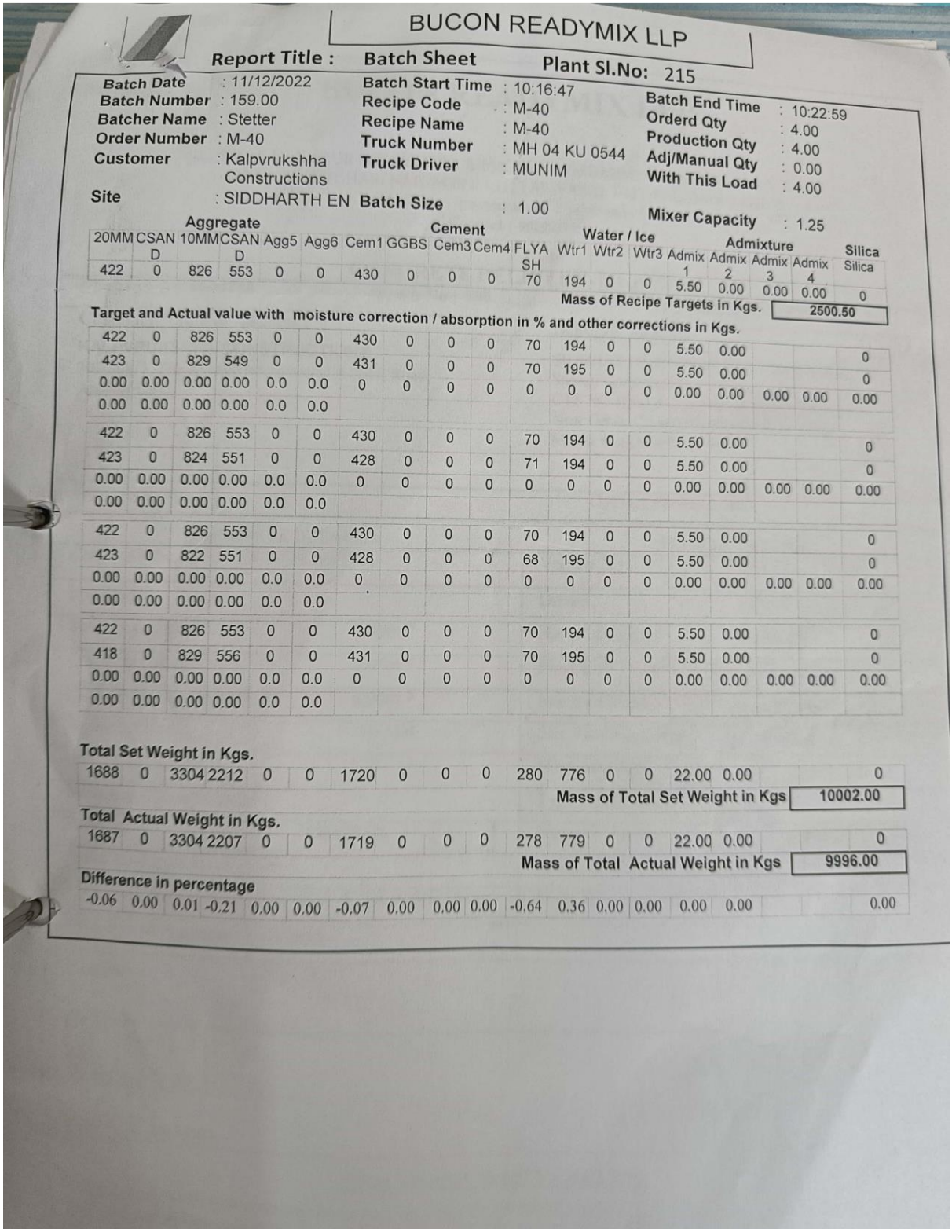
Aggregate						Cement					Water / Ice			Admixture				Silica
CSA	CSA	10M	20M	Agg5	Agg6	Cem1	Cem2	Cem3	GGB	FLYA	Wtr1	Wtr2	Wtr3	Admi 1	Admi 2	Admi	Admi	Silica
Target and Actual value with moisture correction / absorption in % and other corrections in Kgs.																		
0	751	403	651	0	0	420	0	0	0	100	187	0	0	5.72	0.00	0.00	0.00	0
0	752	404	651	0	0	420	0	0	0	99	186	0	0	5.72	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
0	751	403	651	0	0	420	0	0	0	100	187	0	0	5.72	0.00	0.00	0.00	0
0	750	403	651	0	0	421	0	0	0	100	186	0	0	5.72	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
0	751	403	651	0	0	420	0	0	0	100	187	0	0	5.72	0.00	0.00	0.00	0
0	751	401	650	0	0	418	0	0	0	99	188	0	0	5.72	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
0	751	403	651	0	0	420	0	0	0	100	187	0	0	5.72	0.00	0.00	0.00	0
0	753	403	652	0	0	419	0	0	0	101	186	0	0	5.72	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
0	751	403	651	0	0	420	0	0	0	100	187	0	0	5.72	0.00	0.00	0.00	0
0	753	401	652	0	0	419	0	0	0	100	186	0	0	5.72	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0
Total Set Weight in Kgs.																		
0	3755	2015	3255	0	0	2100	0	0	0	500	935	0	0	28.60	0.00	0.00	0.00	0.00
Total Actual in Kgs.																		
0	3759	2012	3256	0	0	2097	0	0	0	499	932	0	0	28.60	0.00	0.00	0.00	0.00
Difference between Total Set Weight and Total Actual in %																		
0.00	0.11	-0.15	.03	0.00	0.00	-0.14	0.00	0.00	0.00	-0.20	-0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NOOTAN RMC INFRA
MCI 360 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	10/10/2022			**Plant Serial No**	MIT-191
Batch Start Time	07:31			**Orderd Quantity**	3.00 M^3
Batch End Time	07:36	**Recipe Code**	M50 (Manual)	**Production Quantity**	3.00M
		Recipe Name	M50 (Manual)	**Adj/Manual Quanti**	0.00 M
Batcher Name	NootanRMC	**Truck Number**	MH-48-AY-9711	**With This Load**	3.00M
Batch Number	90849	**Truck driver**	-	**Mixer Capacity**	1.00M
Order Number	M50 (Manual)			**Batch Size**	1.00M
Customer	Naresh Enterprise				
Site	Malad W				

Aggregate						Cement				Water/Ice			Admixture				Silica
CSan	Csand	20mm	10mm	Agg5	Agg6	Cem1	Cem2	-	GGB	flyas	Water	Wtr2	Wtr3	Admi	Admi	Admi	Admi	Silica
Target and Actual value with moisture correction in % and other corrections in Kgs.																		
291	291	737	398	0	0	490	0	0	0	120	184	0	0	6.71	0.00	0.00	0.00	0
291	284	740	395	0	0	492	0	0	0	122	185	0	0	6.80	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
291	291	737	398	0	0	490	0	0	0	120	184	0	0	6.71	0.00	0.00	0.00	0
284	298	729	395	0	0	487	0	0	0	122	183	0	0	6.75	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
291	291	737	398	0	0	490	0	0	0	120	184	0	0	6.71	0.00	0.00	0.00	0
295	298	739	399	0	0	491	0	0	0	122	182	0	0	6.65	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
Total Set Weight in Kgs.																		
873	873	2211	1194	0	0	1470	0	0	0	360	552	0.0	0	20.20	0.00	0.00	0.00	0
Total Actual in Kgs.																		
870	880	2208	1189	0	0	1470	0	0	0	366	550	0.0	0	20.13	0.00	0.00	0.00	0
Difference between Total Set Weight and Total Actual in %																		
-0.34	0.80	-0.14	-0.42	0.0	0.0	0.00	0.00	0.00	0.00	1.67	-0.36	0.0	0	-0.36	0.00	0.00	0.00	0



BUCON READYMIX LLP

Report Title : Batch Sheet **Plant Sl.No:** 215

Batch Date	: 11/12/2022	**Batch Start Time**	: 10:16:47	**Batch End Time**	: 10:22:59
Batch Number	: 159.00	**Recipe Code**	: M-40	**Orderd Qty**	: 4.00
Batcher Name	: Stetter	**Recipe Name**	: M-40	**Production Qty**	: 4.00
Order Number	: M-40	**Truck Number**	: MH 04 KU 0544	**Adj/Manual Qty**	: 0.00
Customer	: Kalpvrukshha Constructions	**Truck Driver**	: MUNIM	**With This Load**	: 4.00
Site	: SIDDHARTH EN	**Batch Size**	: 1.00	**Mixer Capacity**	: 1.25

Aggregate						Cement					Water / Ice			Admixture				Silica
20MM	CSAND	10MM	CSAND	Agg5	Agg6	Cem1	GGBS	Cem3	Cem4	FLYASH	Wtr1	Wtr2	Wtr3	Admix 1	Admix 2	Admix 3	Admix 4	Silica
422	0	826	553	0	0	430	0	0	0	70	194	0	0	5.50	0.00	0.00	0.00	0

Mass of Recipe Targets in Kgs. 2500.50

Target and Actual value with moisture correction / absorption in % and other corrections in Kgs.

422	0	826	553	0	0	430	0	0	0	70	194	0	0	5.50	0.00			0
423	0	829	549	0	0	431	0	0	0	70	195	0	0	5.50	0.00			0
0.00	0.00	0.00	0.00	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.0	0.0													
422	0	826	553	0	0	430	0	0	0	70	194	0	0	5.50	0.00			0
423	0	824	551	0	0	428	0	0	0	71	194	0	0	5.50	0.00			0
0.00	0.00	0.00	0.00	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.0	0.0													
422	0	826	553	0	0	430	0	0	0	70	194	0	0	5.50	0.00			0
423	0	822	551	0	0	428	0	0	0	68	195	0	0	5.50	0.00			0
0.00	0.00	0.00	0.00	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.0	0.0													
422	0	826	553	0	0	430	0	0	0	70	194	0	0	5.50	0.00			0
418	0	829	556	0	0	431	0	0	0	70	195	0	0	5.50	0.00			0
0.00	0.00	0.00	0.00	0.0	0.0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.0	0.0													

Total Set Weight in Kgs.

1688	0	3304	2212	0	0	1720	0	0	0	280	776	0	0	22.00	0.00			0

Mass of Total Set Weight in Kgs 10002.00

Total Actual Weight in Kgs.

1687	0	3304	2207	0	0	1719	0	0	0	278	779	0	0	22.00	0.00			0

Mass of Total Actual Weight in Kgs 9996.00

Difference in percentage

-0.06	0.00	0.01	-0.21	0.00	0.00	-0.07	0.00	0.00	0.00	-0.64	0.36	0.00	0.00	0.00	0.00			0.00

IDS

TECHNICAL BATCH DATA REPORT

Plant ID 01

Plant GRACE CEMENTS PVT. LTD.

Address Mira Road

AJAX

Docket No. : 2521
Docket Date 08 Nov 2022
Batch Start Time : 12:09:00
Customer : SHREE RAM INFRAPROJECTS
Site : SHREE RAM INFRAPROJECTS (MALAD)

Truck No. : MH04KU9679
Driver : driver 1

Mix Description : M-50
Mix Code : M-50
Strength :
Slump :
User : OEM

08/Nov/2022 12:19.46
Ordered Qty : 14.00
Produced Qty : 5.50
Returned Qty : 0.00
Set This Load : 5.50
First Batch Size : 0.92
Other Batch Size : 0.92

	Batch Details										
Product Code	10MM	CSAND	20MM	RSAND	CMT1	CMT2	FLYASH	GGBS	WAT1	Admixture	Admixture2
Design Quntity	420.00	680.00	650.00	0.00	420.00	0.00	130.00	0.00	165.00	6.05	0.00
Avg. Moisture	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
tch Target	386.00	626.00	598.00	0.00	385.00	0.00	119.00	0.00	151.00	5.55	0.00
Subsequent Target	386.40	625.60	598.00	0.00	386.40	0.00	119.60	0.00	151.00	5.57	0.00
Load Target	2310.00	3740.00	3575.00	0.00	2310.00	0.00	715.00	0.00	907.50	33.28	0.00
Error Percentage	**-0.09**	**-0.08**	**-0.03**	**0.00**	**0.13**	**0.00**	**0.98**	**0.00**	**0.22**	**0.27**	**0.00**
Batch .1	388.00	627.00	595.00	0.00	385.00	0.00	121.00	0.00	150.00	5.51	0
Batch .2	388.00	625.00	593.00	0.00	384.00	0.00	122.00	0.00	150.00	5.61	0
Batch .3	382.00	626.00	600.00	0.00	387.00	0.00	121.00	0.00	154.00	5.59	0
Batch .4	389.00	626.00	602.00	0.00	387.00	0.00	118.00	0.00	149.00	5.52	0
Batch .5	385.00	622.00	596.00	0.00	385.00	0.00	117.00	0.00	151.00	5.54	0
Batch .6	382.00	627.00	601.00	0.00	385.00	0.00	122.00	0.00	154.00	5.62	0
Total Batched	2314.00	3753.00	3587.00	0.00	2313.00	0.00	721.00	0.00	908.00	33.39	0.00

Num Batches :	With this Load:	This Load	Batch End Time :
6	5.50	5.50	12:16

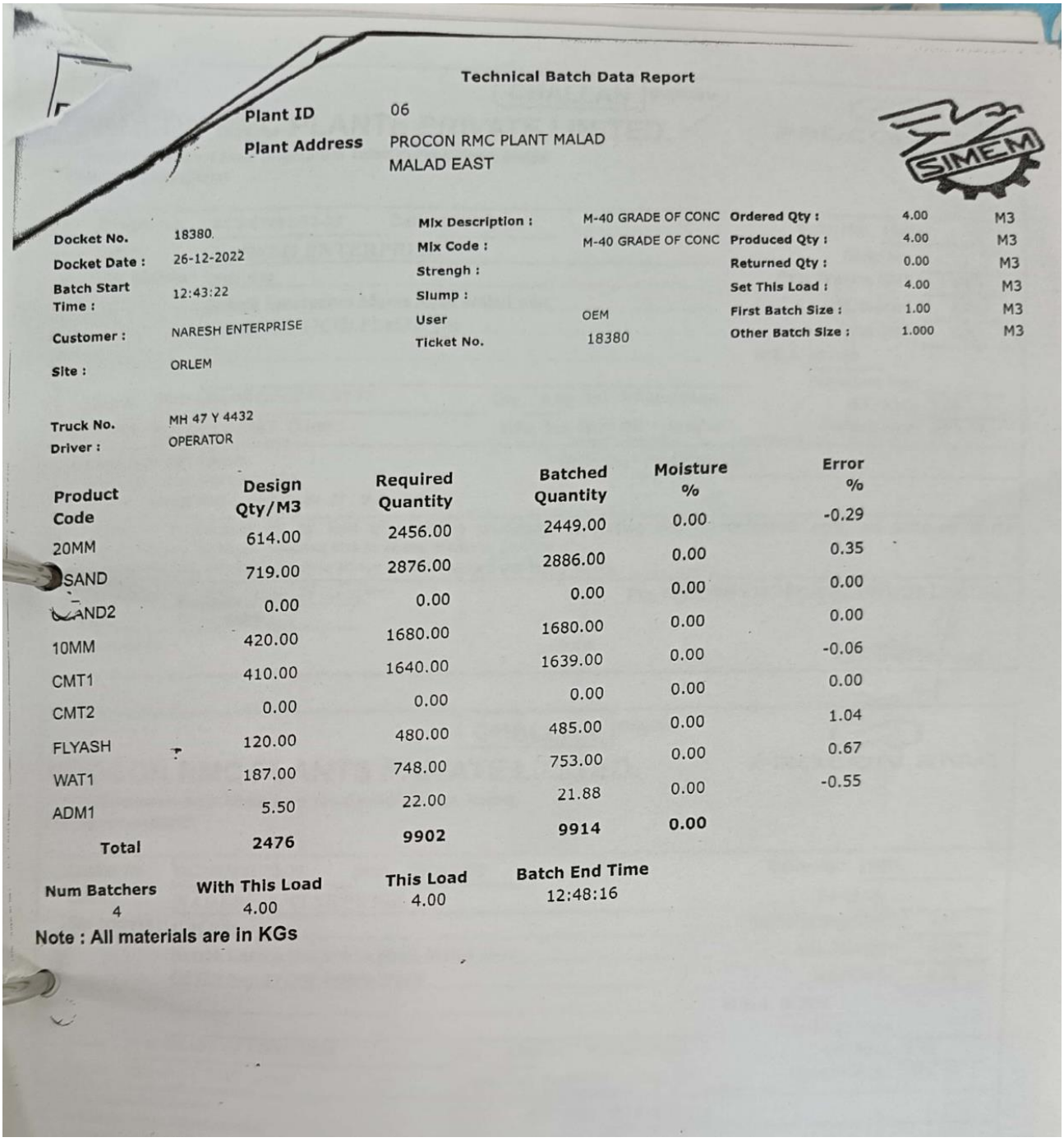
Note: All material are in KGs

MCI 360 Control System Ver 1.0

Docket / Batch Report / Autographic Record

Batch Date	05/12/2022			**Plant Serial Number:** M 1 C	
Batch Start Tim	19:10				
Batch End Time	19:18			**Ordered Quantity**	6.00M³
				Production Quantity	6.00M³
Batcher Name	Stetter	**Recipe Code**	M40 Pumping	**Adj/Manual Quantity**	0.00M³
Batch Number	116829	**Recipe Name**	M40 Pumping	**With This Load**	6.00 M³
Order Number		**Truck Number**	MH 04 GR 8424	**Mixer Capacity**	1.00M³
Customer	Shreeji Aspire	**Truck driver:**	FANTUSH	**Batch Size**	1.00M³
Site	Malad				

Aggregate						Cement				Water / Ice				Admixture			Silica	
CSA	CSA	10M	20M	Agg5	Agg6	Cem1	GGBS	Cem3	Cem4	FLYA	Wtr1	Wtr2	Wtr3	Adm 1	Adm 2	Admi	Admi	Silica
arget andActual value with moisture correction in % and other corrections in Kgs.																		
	0	400	701	0	0	420	0	0	0	100	177	0	0	5.20	0.00	0.00	0.00	0
708	0	402	701	0	0	422	0	0	0	100	176	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
709	0	400	701	0	0	420	0	0	0	100	177	0	0	5.20	0.00	0.00	0.00	0
705	0	398	701	0	0	419	0	0	0	99	175	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
709	0	400	701	0	0	420	0	0	0	100	177	0	0	5.20	0.00	0.00	0.00	0
708	0	405	703	0	0	418	0	0	0	101	173	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
709	0	400	701	0	0	420	0	0	0	100	177	0	0	5.20	0.00	0.00	0.00	0
707	0	398	698	0	0	419	0	0	0	100	180	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
709	0	400	701	0	0	420	0	0	0	100	177	0	0	5.20	0.00	0.00	0.00	0
712	0	399	701	0	0	421	0	0	0	99	175	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
TO	0	400	701	0	0	420	0	0	0	100	177	0	0	5.20	0.00	0.00	0.00	0
709	0	402	699	0	0	422	0	0	0	100	172	0	0	5.20	0.00	0.00	0.00	0
0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	0		0.00	0.00	0.00	0.00	0
Total Set Weight in Kgs.																		
4254	0	2400	4206	0	0	2520	0	0	0	600	1062	0.0	0	31.20	0.00	0.00	0.00	0
Total Actual in Kgs.																		
4249	0	2404	4203	0	0	2521	0	0	0	599	1051	0.0	0	31.20	0.00	0.00	0.00	0
Difference between Total Set Weight and Total Actual in %																		
-0.12	0.00	0.17	-0.07	0.00	0.00	0.04	0.00	0.00	0.00	-0.17	-1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00



Technical Batch Data Report

Plant ID	06
Plant Address	PROCON RMC PLANT MALAD MALAD EAST

Docket No.	18380	**Mix Description :**	M-40 GRADE OF CONC	**Ordered Qty :**	4.00	M3
Docket Date :	26-12-2022	**Mix Code :**	M-40 GRADE OF CONC	**Produced Qty :**	4.00	M3
Batch Start Time :	12:43:22	**Strengh :**		**Returned Qty :**	0.00	M3
Customer :	NARESH ENTERPRISE	**Slump :**		**Set This Load :**	4.00	M3
Site :	ORLEM	**User**	OEM	**First Batch Size :**	1.00	M3
		Ticket No.	18380	**Other Batch Size :**	1.000	M3
Truck No.	MH 47 Y 4432					
Driver :	OPERATOR					

Product Code	Design Qty/M3	Required Quantity	Batched Quantity	Moisture %	Error %
20MM	614.00	2456.00	2449.00	0.00	-0.29
SAND	719.00	2876.00	2886.00	0.00	0.35
SAND2	0.00	0.00	0.00	0.00	0.00
10MM	420.00	1680.00	1680.00	0.00	0.00
CMT1	410.00	1640.00	1639.00	0.00	-0.06
CMT2	0.00	0.00	0.00	0.00	0.00
FLYASH	120.00	480.00	485.00	0.00	1.04
WAT1	187.00	748.00	753.00	0.00	0.67
ADM1	5.50	22.00	21.88	0.00	-0.55
Total	**2476**	**9902**	**9914**	**0.00**	

Num Batchers	With This Load	This Load	Batch End Time
4	4.00	4.00	12:48:16

Note : All materials are in KGs

TECHNICAL BATCH DATA REPORT

Plant ID : 01
Plant : AJAX
Address NARAYAN SETHIA CONSTRUCTION MUMBAI, MAHARASHTRA,

29-01-2023 11:12:04

Docket No : 499
Docket Date : 29/01/2023
Batch Start Time : 10:58:11
Customer : INDRALAL M JHUNJHUNWALA
Site : Plaza
Truck No : MH 04 JK 6308
Driver Subedar

Mix Description : M-50
Mix Code : M-50
Mix Grade : M-50
Slump : 0.00
User : OEM

Ordered Qty	: 0.000	M3
Produced Qty	: 0.000	M3
Returned Qty	: 0.000	M3
Set This Load	: 5.000	M3
First Batch Size	: 1.00	M3
Other Batch Size	: 1.00	M3

	Batch Details							
Product Code	20 MM	10 MM	SAND	SAND1	CEM1	FLYASH	Water	ADMIX
Design Quantity	627	407	300	367	450	150	190.00	5.70
Correction (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1st Batch Target	627.00	407.00	300.00	367.00	450.00	150.00	190.00	5.70
Subsequent Target	627.00	407.00	300.00	367.00	450.00	150.00	190.00	5.70
Load Target	3,135.00	2,035.00	1,500.00	1,835.00	2,250.00	750.00	950.00	28.50
% Error	**0.05**	**-0.08**	**0.10**	**0.17**	**0.04**	**0.09**	**2.97**	**0.00**
Batch . 1	626.98	408.04	301.40	367.89	449.99	150.84	195.31	5.70
Batch . 2	628.21	407.93	300.83	367.79	450.65	149.77	196.33	5.70
Batch . 3	627.60	405.09	298.08	367.97	450.98	149.77	196.54	5.70
Batch . 4	628.38	405.37	299.97	366.71	449.75	149.61	195.59	5.70
Batch . 5	625.44	406.91	301.17	367.75	449.52	150.71	195.27	5.70
Total Batched	3136.61	2033.34	1501.45	1838.11	2250.89	750.70	979.04	28.50

Num Batches :	With this Load:	This Load	Batch End Time
5	5.00	5.00	11:12:04

Note: All material are in KG

NARAYAN SETHIA CONSTRUCTIONS MUMBAI

i-batch: by IDS Report Generated By :- OEM

Page 1 of 1

TECHNICAL BATCH DATA REPORT

Plant ID : 01
Plant : AJAX
Address NARAYAN SETHIA CONSTRUCTION MUMBAI, MAHARASHTRA,

29-01-2023 11:12:04

Docket No : 499
Docket Date : 29/01/2023
Batch Start Time : 10:58:11
Customer : INDRALAL M JHUNJHUNWALA
Site : Plaza
Truck No : MH 04 JK 6308
Driver Subedar

Mix Description : M-50
Mix Code : M-50
Mix Grade : M-50
Slump : 0.00
User : OEM

Ordered Qty	: 0.000	M3
Produced Qty	: 0.000	M3
Returned Qty	: 0.000	M3
Set This Load	: 5.000	M3
First Batch Size	: 1.00	M3
Other Batch Size	: 1.00	M3

	Batch Details							
Product Code	20 MM	10 MM	SAND	SAND1	CEM1	FLYASH	Water	ADMIX
Design Quantity	627	407	300	367	450	150	190.00	5.70
Correction (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1st Batch Target	627.00	407.00	300.00	367.00	450.00	150.00	190.00	5.70
Subsequent Target	627.00	407.00	300.00	367.00	450.00	150.00	190.00	5.70
Load Target	3,135.00	2,035.00	1,500.00	1,835.00	2,250.00	750.00	950.00	28.50
% Error	**0.05**	**-0.08**	**0.10**	**0.17**	**0.04**	**0.09**	**2.97**	**0.00**
Batch . 1	626.98	408.04	301.40	367.89	449.99	150.84	195.31	5.70
Batch . 2	628.21	407.93	300.83	367.79	450.65	149.77	196.33	5.70
Batch . 3	627.60	405.09	298.08	367.97	450.98	149.77	196.54	5.70
Batch . 4	628.38	405.37	299.97	366.71	449.75	149.61	195.59	5.70
Batch . 5	625.44	406.91	301.17	367.75	449.52	150.71	195.27	5.70
Total Batched	3136.61	2033.34	1501.45	1838.11	2250.89	750.70	979.04	28.50

Num Batches :	With this Load:	This Load	Batch End Time
5	5.00	5.00	11:12:04

Note: All material are in KG

NARAYAN SETHIA CONSTRUCTIONS MUMBAI

i-batch: by IDS Report Generated By :- OEM

Page 1 of 1

Annexure 9: SWM NOC

सत्यमेव जयते

महाराष्ट्र शासन

महसूल व वन विभाग

जिल्हाधिकारी व जिल्हा दंडाधिकारी कार्यालय, Mumbai Sub Urban

पत्ता : 9th Floor, Administrative Building, near Chetna College, Government Colony, Bandra East, Mumbai, Maharashtra 400051

ई-मेल आयडी : collectormngmsd@gmail.com

दूरध्वनी क्र. : 022-26400764

दि. : **20-07-2023**

आदेश क्र. - AC/DESK-IV/MNL/SR-514/2023-24

संदर्भ:

1. महाराष्ट्र गौण खनिज उत्खनन व (विकास विनियमन) नियम, 2013,
2. स्थळ पाहणी अहवाल, दि. **14-07-2023**
3. श्री. **SHREEJI CONSTRUCTIONS (ABYFS1755P)**, रा. **1st Floor, Shreeji Atlantis, Gautam Budha Marg, Oriem, Malad W, Mumbai - 400064** यांचा महाखनिज प्रणाली वरील अर्ज क्र. **MK/TPPA/20230713-93** दि. **13-07-2023** अर्ज.
4. महानगरपालिका/इतर संस्था यांचे क्र. **PN/PVT/0113/20081/26/AP-3** दि. **06-10-2022** रोजीचे बांधकाम प्रारंभ पत्र ,
5. शासन अधिसूचना दि. १२/०१/२०१८ प्रमाणे महाराष्ट्र गौणखनिज उत्खनन (विकास व नियमन) (सुधारणा),नियम २०१७.
6. उद्योग व कामगार विभाग महाराष्ट्र शासन मंत्रालय यांचेकडील शासन निर्णय क्रं. एमडीएफ- ०६१५/ प्र.क्रं.३४/उद्योग-०९ दि.०२/०९/२०१६ चे आदेश प्रधानमंत्री खनिज क्षेत्र कल्याण योजना मार्गदर्शक सूचना
7. या कार्यालयाची मंजूर टिपणी दिनांक **20-07-2023**

अल्प / तात्पुरता मुदतीचा गौण खनिज उत्खनन परवाना आदेश :-

ज्याअर्थी , श्री. **SHREEJI CONSTRUCTIONS (ABYFS1755P)**, पत्ता **1st Floor, Shreeji Atlantis, Gautam Budha Marg, Oriem, Malad W, Mumbai - 400064** यांनी महाखनिज प्रणालीवर दि. **13-07-2023** रोजी अर्ज क्र. **MK/TPPA/20230713-93** अन्वये गौण खनिज उत्खनन व वाहतूकीस परवानगी मिळण्यासाठी अर्ज दाखल केला आहे.

अभिलेखानुसार जमीनमालकाचे नाव Shivani Realties LLP

तालुका	गावाचे नाव	स.नं/ ग. नं./नं. भू. क्र.	उत्खननाचे क्षेत्र (हे.आर)	गौण खनिज प्रकार	गौण खनिज परिमाण (ब्रास)
Borivali	VALNAI	1PT2PT/264/265/AND266/216A/1/4TO14	0.50	Murum	1000

आणि ज्याअर्थी, श्री. **SHREEJI CONSTRUCTIONS (ABYFS1755P)** यांनी उपरोक्त नमुद जागेत **1000** ब्रास **Murum** या गौण खनिजाचे उत्खनन व वाहतुकी करिता निश्चित केलेल्या दरा प्रमाणे स्वामित्वधन व इतर शासकीय फी अर्जदार यांनी पुढील प्रमाणे शासन जमा केली आहे.

अ.क्र.	तपशिल	रक्कम (रू.)	धनादेश क्र./चलन क्र	भरणा दिनांक
1	**अर्ज फी**	2020	MH005157528202324P	13-07-2023
2	**स्वामित्वधन(1000 ब्रास X 600 प्रति ब्रास) + भूपृष्ठ भाडे**	613989.00	MH005383507202324M	18-07-2023
3	**जिल्हा खनिज प्रतिष्ठान निधी (स्वामित्वधनाच्या 10%)**	60000.00	DN No. - 133166	18-07-2023
4	**वाहतूक पासेस** / SI Charges with tax	16520.00	DN No. - 133166	18-07-2023
एकूण रक्कम		692529.00		

त्याअर्थी, मी श्री/श्रीमती Manoj S Gohad ,Additional Collector Mumbai Sub Urban महाराष्ट्र गौणखनिज उत्खनन (विकास व विनियमन) नियम, २०१३ मधील नियम ५९ अन्वये मला प्रदान करण्यात आलेल्या अधिकाराचा वापर करून या आदेशाद्वारे अर्जदार श्री. SHREEJI CONSTRUCTIONS (ABYFS1755P), पत्ता 1st Floor, Shreeji Atlantis, Gautam Budha Marg, Oriem, Malad W, Mumbai - 400064 यांना मौजे VALNAI, तालुका Borivali , जिल्हा Mumbai Sub Urban येथील स.न./ग.न./नं.भू.क्र 1PT2PT/264/265/AND266/216A/1/4TO14 या मधील 0.50 हे.आर क्षेत्रावर 1000 ब्रास दगड/माती/मुरूम या गौण खनिजाच्या उत्खननाची परवानगी महाराष्ट्र गौण खनिज उत्खनन (विकास व विनियमन) नियम, २०१३ मधील ६६ व ६७ मधील अटी व शर्ती तसेच सोबतच्या विवरणपत्र "अ" व "ब" मध्ये नमूद केलेल्या अटी व शर्तींना अधिन राहून मंजूर करण्यात येत आहे.

त्याचप्रमाणे सदर आदेशाची मुदत दि. 20-07-2023 **ते दि.** 20-09-2023 **अथवा 1000 ब्रास दगड/माती/मुरूम या गौण खनिजाच्या उत्खनन या पैकी जे अगोदर होईल त्यामुदती पर्यंत वैध राहील.**

Digitally Signed by: Manoj Shankarrao Gohad
c5a4ea958e294dc59451f5c07c3ca560
Date: 2023-07-20T22:14:15.470+05:30

Manoj S Gohad
Additional Collector,
Mumbai Sub Urban

प्रत,

1. **उपविभागीय अधिकारी** Western Suburb यांना माहितीस्तव व आवश्यक त्या कार्यवाहिस्तव.
2. **तहसिलदार** Borivali यांना माहितीस्तव व आवश्यक त्या कार्यवाहिस्तव.
3. परवानाधारक श्री. SHREEJI CONSTRUCTIONS (ABYFS1755P) यांना अनुपालनास्तव.

विवरणपत्र - "अ"

1. ज्यासाठी परवाना देण्यात आला असेल त्या व्यतिरिक्त कोणतेही गौणखनिज किंवा मुख्य गौणखनिज खाणकाम करतांना आढळुन आल्यानंतर एक आठवडयाच्या कालावधीत सक्षम अधिकाऱ्याला कळविण्यात येईल.
2. वाळू/रेती लिलावधारकाने/परवानाधारकाने पावतीवर नमुद परिमाणापेक्षा अधिक परिमाणाची गौणखनिज वाहतूककरत असल्याचे आढळुन आल्यास त्या वाहनातील संपूर्ण गौणखनिज अवैध आहे. असे समजून त्यावर नियमानुसार दंडात्मक कारवाई करण्यात येईल व त्यासोबत तसेच क्षमतेपेक्षा जास्त वाहतूकीबाबत मोटार वाहन कायदयानुसार कारवाई करण्यात येईल. दंडनीय कारवाई सोबत जप्त गौणखनिजाचा लिलाव करण्यात येईल.
3. प्रत्येक आठवडयास (दर सोमवारी) खनिज वाहतुकीचा अहवाल तलाठी / तहसील कार्यालयास बिनचूक पाठविणेचा आहे
4. खाणकाम सुर्योदयापासून ते सुर्यास्तापर्यंत करणेचे आहे. ठरवून दिलेल्या वेळेपूर्वी अथवा वेळेनंतर खाणकाम केलेचे आढळुन आलेस संबधीतावर नियम 79 नुसार कारवाई केली जाईल.
5. परवाना धारकाने नागरी सुरक्षीततेची संपुर्ण खबरदारी घ्यावयाचे आहे.
6. कोणत्याही प्रकारचे गौण खनिज महाखनिज प्रणालीव्दारे निर्गमित केलेले वाहतुक पास व eTP शिवाय वाहतुक करतांना आढळुन आल्यास ते अवैध समजण्यात येईल.
7. ज्यासाठी परवाना दिलेला असेल ते खनिज वगळता इतर कोणत्याही खनिजाचे सक्षम अधिका-याकडून योग्य ती मंजुरी मिळाल्याशिवाय उत्खनन करता येणार नाही किंवा ते काढून नेता येणार नाही.
8. परवान्याची मुदत संपल्यानंतर परवाना क्षेत्रात पडून राहिलेल्या खाणीतील खनिज मालावर व इतर मालमत्तेवर परवानाधारकाचा कोणताही हक्क असणार नाही.
9. तात्पुरता/अल्पमुदत परवाना आदेशा मध्ये नमूद करण्यात आलेल्या शुल्का व्यतीरीक्त केंद्र शासन/राज्य शासनाचे इतर शुल्क भरण्याची सर्वंपूर्ण जबाबदारी संबंधीत परवाना धारकाची राहील.
10. विभागीय वन अधिकाऱ्याने किंवा त्याबाबतीत त्याने प्राधिकृत केलेल्या अशा अधिकाऱ्याने निश्चित केलेली नुकसानभरपाईची रक्कम भरल्याशिवाय किंवा त्यांच्या पुर्वमान्यतेशिवाय, परवानाधारक कोणतेही झाड तोडणार नाही किंवा त्याला इजा पोचवणार नाही.
11. प्रत्येक पासवर वाहनाचा क्रमांक, दिनांक, निघण्याची वेळ, गौण खनिजाचा प्रकार, कुठुन कुठे वाहतूक करीत आहे. त्याचा तपशील नमूद करणे आवश्यक राहील.
12. कोणतेही खनिज सांडू नये किंवा त्याची धूळ उडू नये यासाठी, ट्रक किंवा ट्रॅक्टर्स ताडपत्रीने किंवा योग्य अशा इतर साधनांने झाकून गौणखनिजाचीवाहतूककरावी.
13. परवानाधारकाने सदर आदेशात नमूद केलेल्या वाहनांच्या व्यतिरिक्त इतर वाहनाने गौण खनिज वाहतूक केल्याचे आढळून आल्यास सदरची गोण खनिज वाहतूक अनधिकृत समजून महाराष्ट्र जमिन महसूल अधिनियम १९६६ मधील नियम ४८ (७) नुसार परवानाधारक कारवाईस पात्र राहील.
14. उत्खननाच्या ठिकाणी व भरावाच्या ठिकाणी तपासणीसाठी जिल्हा खनिकर्म अधिकारी, महसूल अधिकारी आल्यास यांना संबंधित हिशेबाची नोंदवही उपलब्ध करून दयावी.
15. परवानाधारक यांना स्फोटकाव्दारे उत्खननाची आवश्यकता असल्यास सक्षम प्राधिकारी यांचेकडून परवानगी घेऊनच उत्खनन करावे.
16. विषयांकित ठिकाणी उत्खननाबाबत कोणतीही हरकत उपस्थित झाल्यास चौकशीअंती सदर परवाना रद्द करण्याचा अधिकार जिल्हाधिकारी सक्षम प्राधिकारी यांनी राखून ठेवला आहे.

17. उत्खननाच्या परवानगीबाबत राज्य शासनाने वेळोवळी दिलेले निर्देश परवानाधारकास बंधनकारक राहतील. शासन निर्देशानुसार जर परवाना कोणत्याही कारणास्तव रद्द केल्यास परवानाधारक मा. न्यायालयात दाद मागणार नाही अथवा अपील करणार नाही.
18. परवान्यात समाविष्ट असलेल्या जमिनीच्या नुकसानीबाबत नुकसान भरपाई संबंधीतास करणे बंधनकारक राहील.
19. सदर परवानगी ही केवळ उत्खननासाठी आहे. जमिनीची मालकी संदर्भात व जागेसंदर्भात इतर वरीष्ठ कार्यालयाचे न्यायालयाचे निर्णय परवानाधारकावर बंधनकारक राहतील.
20. परवानाधारकाने कोणत्याही परिस्थितीत परवानगी दिलेल्या गौण खनिजाची दिलेल्या मुदतीतच उचल करावी गौण खनिजाची उचल न झाल्यास मुदतवाढ देण्यात येणार नाही यांची परवानाधारकाने नोंद घ्यावी.
21. पुस्तक क्रमांक व पावती क्रमांक निहाय वापरात आणावे. वाहतुक करते वेळी परवाना धारकाने समक्ष अधिकारी यांचे कडुन प्रमाणित केलेली वाहतुक पास वाहन चालकाजवळ बाळगणे अनिवार्य आहे. तसेच परवान्याची छायांकित प्रत वाहन चालका जवळ ठेऊन मुळ प्रत मागणी केल्यास दाखविणे बंधनकारक राहील. वाहतुक पास प्रत्येक वाहनासोबत पुर्ण भरून द्यावी. गौण खनिजाची वाहतुक करणे करीता महाखनिज प्रणालीचा वापर करणे बंधनकारक आहे. सक्षम अधिका-याने परवाना मंजुर केल्यावर वाहतुक पासेस सुध्दा त्यांचे कार्यालयातुन प्रमाणित करून घेणे अनिवार्य आहे. गौण खनिज वाहतुक करणारे वाहन प्रकार क्षमता व क्रमांक या कार्यालयास सादर करावे. त्याशिवाय इतर वाहनातून गौण खनिज वाहतुक करु नये.
22. मुरुम/दगड/माती उत्खनन करताना नैसर्गिक पाण्याचा प्रवाह अडविता येणार नाही किंवा इतरत्र वळविता येणार नाही.
23. गौण खनिज वाहतुक करतांना शासनाने वेळोवेळी दिलेले निर्देश लागू राहील.
24. गौण खनिज उत्खनन परवाना विनियोग याबाबत शासनाने वेळोवेळी दिलेले निर्देश लागू राहील.
25. उत्खननाचे खाली / लगतच्या क्षेत्रात अतिउच्चादाब वाहीनी आहे किंवा नाही याची खात्री करावी.
26. संबंधित ठिकाणी असलेल्या मजुरांची राहण्याची तसेच काम करतांना त्यांच्या सामाजिक व सुरक्षित अंतर ठेवण्याची संपूर्णजबाबदरी खानपट्टाधारक/ परवानाधारक यांचीराहील. तसेचयाबाबत स्वच्छता सामाजिक अंतर (Social Distance) चे सर्व नियम पाळण्यात यावे..
27. लागू करण्यात आलेल्या संचारबंदीच्या आदेशातील नमुद सुचनांच्या तसेच कायदा सुव्यवस्थेच भंग होणार नाही, यांची दक्षता घ्यावी.

विवरणपत्र - "ब"

1) कांदळवन क्षेत्र अथवा कोणत्याही कांदळवनाच्या (जमीनीचा मालकी हक्क शासकीय/ खाजगी) क्षेत्राच्या 50 मीटर त्रिज्येमध्ये कोणत्याही परिस्थितीत उत्खनन केलेले गौण खनिज (माती, मुरुम, दगड इ.) टाकले अथवा पसरवले जाणार नाही. जर असे झालेले आढळल्यास सदरचा परवाना कोणतीही सूचना न देता रद्द केला जाईल. तसेच परवानाधारकाविरूध्द प्रचलित नियमानुसार तसेच मा. उच्च न्यायालय यांचेकडील आदेश दि.06/10/2005 अन्वये फौजदारी/दंडात्मक कार्यवाही करण्यात येईल.

2) उत्खननाच्या ठिकाणाहून गौण खनिज वाहतूक करणा-या प्रत्येक वाहनास महाखनिज प्रणालीवर नोंदणी करून त्याचा ई-टीपी (e-TP) जनरेट करून वाहतूक करणे बंधनकारक राहील

3) गौण खनिज उत्खनन आदेशातील कोणत्याही अटी/शर्तींचा भंग केल्यास अथवा नियोजन प्राधिकरणाने मंजूर केलेली IOD/IOA/LOI इ. न्यायालयाने/ नियोजन प्राधिकरणाने स्थगित/रद्द केल्यास उत्खननाची परवानगी आपोआप रद्द होईल.

4) सदर परवानगी ही फक्त गौण खनिज उत्खननासाठी दिली आहे. अर्जदाराने इतर सर्व आवश्यक परवानग्या संबंधित सक्षम प्राधिकरण/विभागाकडून घेणे बंधनकारक आहे.

5) ज्या सर्व्हे नंबर/न.भू.क्र. च्या जागेमधून गौण खनिज उत्खननासाठी नियोजन प्राधिकरणाने परवानगी दिलेल्या खोलीपेक्षा जास्त उत्खनन करता येणार नाही.

6) शासनाने दि.29/03/2023 रोजी दिलेल्या निर्देशाप्रमाणे गौण खनिजाची वाहतूक करणा-या वाहनास GPS Device लावून ते महाखनिज या प्रणालीशी लिंक करणे बंधनकारक आहे.

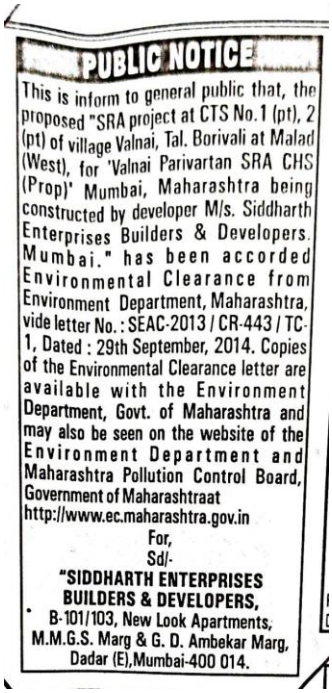
Annexure 10: Sanitary Hygiene Provide to Workers Photographs

Annexure 11: Newspaper Advertisement Copy

जाहीर सूचना

सर्व तमाम जनतेस या सूचनेद्वारे असे कळविण्यात येते की, ''एस. आर. ए. प्रकल्प' वळणई परिवर्तन एस.आर.ए. सी.एच.एस. (प्रस्तावित), सीटीएसक्र. 1 (पीटी), 2 (पीटी), गाव : वळणई, तालुका : बोरिवली, मालाड (पश्चिम), मुंबई, महाराष्ट्र.'' यासाठी विकासक मे. सिद्धार्थ एंटर प्राइझेस बिल्डर्स व डेवेलपर्स, बी-101 / 103, न्यूलुक अपार्टमेंट,एम.एम.जी.एस. मार्ग व जी. डी. आंबेकरमार्ग, दादर (पूर्व), मुंबई - 400 014, महाराष्ट्र शासनाकडून मंजुरी पत्र क एस.ई.ऐ.सी.-2013 / सी.र.-443 / टी.सी-1, दिनाक : 29.09.2014 अन्वये मंजुरी देण्यात आली आहे. सदर पर्यावरण मंजुरी पत्र पर्यावरण विभाग, महाराष्ट्र शासन आणि महाराष्ट्र शासनाच्या **http://www.ec.maharashtra.gov.in** या वेबसाईटवर उपलब्ध आहे.

सही/-
सिध्दार्थ एंटरप्राइझेस बिल्डर्स व डेवेलपर्स,
बी-101/103,न्यूलुक अपार्टमेंट,
एम.एम.जी.एस. मार्ग व जी. डी. आंबेकरमार्ग,
दादर (पूर्व), मुंबई - 400 014.



PUBLIC NOTICE

This is inform to general public that, the proposed "SRA project at CTS No.1 (pt), 2 (pt) of village Valnai, Tal. Borivali at Malad (West), for 'Valnai Parivartan SRA CHS (Prop)' Mumbai, Maharashtra being constructed by developer M/s. Siddharth Enterprises Builders & Developers. Mumbai." has been accorded Environmental Clearance from Environment Department, Maharashtra, vide letter No. : SEAC-2013 / CR-443 / TC-1, Dated : 29th September, 2014. Copies of the Environmental Clearance letter are available with the Environment Department, Govt. of Maharashtra and may also be seen on the website of the Environment Department and Maharashtra Pollution Control Board, Government of Maharashtraat http://www.ec.maharashtra.gov.in

For,
Sd/-
"SIDDHARTH ENTERPRISES
BUILDERS & DEVELOPERS,
B-101/103, New Look Apartments,
M.M.G.S. Marg & G. D. Ambekar Marg,
Dadar (E),Mumbai-400 014.

Annexure 12: Monitoring Report

trust accuracy competency
umwelt

- Food, Environmental & Microbiological Analysis
- Corporate Training
- Research
- Product Development
- MoEF - CC
- ISO/IEC 17025 : 2017
- ISO 9001 : 2015
- ISO 14001 : 2015
- ISO 45001 : 2018

TEST REPORT

Reporting Date:15/05/2023

Sample / Report No.	**URL/NS/23-24/05/W/367**		
Name of Customer	**Enviro Policy Research India Pvt. Ltd.**		
Address of Customer	607, Oriana Business Park, Road no 22, Wagle Estate, Thane (W), 400604		
Nature Of Sample	Water		
Sample declaration as provided by customer:			
Name of Sample	**Ground water**		
Sample Collected by / Date	Laboratory -09/05/2023	**Sample Condition**	09/05/2023
Sample Quantity	2 Lit	**Sample Received On**	09/05/2023
Sample Container	Plastic Can	**Start of Analysis**	13/05/2023
Limits of Reference	NA		

Parameters	Location Project Site Located at Malad, Mumbai	Units	Method
Electrical Conductivity	293	µmho/ cm	APHA 2510 B 23rd Ed. 2017
Colour	4.2	Hazen	IS 3025 (Part 4):2021
pH at 25 °C	7.1	-	APHA 4500+ -HB 23rd Ed. 2017
Nitrate as NO3	19	mg/l	APHA 4500 NO3-B 23rd Ed.2017
Nitrite as NO2	ND	mg/l	IS 3025 (Part 34)1988: RA:2019
Phosphorous as Phosphate	2.2	mg/l	URL/LAB/SOP/FOOD/006
Potassium	25	mg/l	URL/LAB/SOP/FOOD/006
Calcium	21	mg/l	IS 3025 (Part40):1991
Magnesium	11	mg/l	IS 3025 (Part 46):1994
Carbonate	26	mg/l	IS 3025 (Part 23):1986
Bicarbonate	19	mg/l	IS 3025 (Part 23)
Total Hardness as CaCO3	95	mg/l	IS 3025 (Part 21): 2009
Total Alkalinity as CaCO3	106	mg/l	IS 3025 (Part 23):1986
Chloride as Cl	12	mg/l	IS 3025 (Part 32): 1988
Sulphate as SO4	23	mg/l	APHA 4500 SO^{2-}_4 E 23rd Ed. 2017
Chemical Oxygen Demand	16	mg/l	IS 3025 (Part 58):2006
Fluoride	0.5	mg/l	APHA 4500-F-D 23rd Ed.2017
Boron	0.3	mg/l	URL/LAB/SOP/FOOD/006
Total Dissolved Solids	196	mg/l	IS 3025 (Part16):1984
Total Suspended Solid	12.9	mg/l	IS 3025 (Part 17)-2017

Note:NA- Not Applicable, NS- Not Specified, BDL- Below Detection Limit.

Umwelt Research Lab Pune

Mr. Nandkishor Gaidhani
(Director)
Authorized Signatory

- End of Report -

Umwelt Research Lab Private Limited CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 **Email:** info@umweltlab.com, **Website:** www.umweltlab.com

TEST REPORT

Reporting Date:15/05/2023

Sample / Report No.	**URL/NS/23-24/05/S/366**		
Name of Customer	**Enviro Policy Research India Pvt. Ltd.**		
Address of Customer	607, Oriana Business Park, Road no 22, Wagle Estate, Thane (W), 400604		
Nature of Sample	**Soil**		
Sample declaration as provided by customer:			
Name of Sample	**Soil**		
Sample Collected by / Date	Laboratory/ 09/05/2023	**Sample Received On**	09/05/2023
Sample Quantity	1 kg	**Start of Analysis**	09/05/2023
Sample Container	Plastic Bag	**End of Analysis**	13/05/2023
Limits of Reference	NA		

Parameters	Location: Project Site Located at Malad, Mumbai	Units	Method
pH of 10% Solution	6.7	-	IS 2720 (Part 26):1987
Colour	Brown	-	Visual Observation
Texture	Loamy	-	URL/LAB/SOP/06
Electrical Conductivity EC	275	µS/cm	IS 14767:2000 RA 2021
Bulk Density	1.6	Gm/cm^3	URL/LAB/SOP/08
Organic Content	1.21	%	IS 2720 (Part 22):1972
Water Holding Capacity	47.7	%	URL/LAB/SOP/07
Calcium as Ca	21	mg/100 gm	EPA 3050 B
Chloride as Cl	18	mg/100 gm	URL/LAB/SOP/04
Magnesium as Mg	14	mg/100 gm	EPA 3050 B
Potassium as K	21	mg/kg	EPA 3050 B
Sodium as Na	33	mg/kg	EPA 3050 B
Sulphate as SO4	15.3	mg/100 gm	URL/LAB/SOP/05
Copper as Cu	10.1	mg/kg	EPA 3050B
Lead as Pb	<2	mg/kg	EPA 3050B
Zinc as Zn	150	mg/kg	EPA 3050B
Total Kjeldahl Nitrogen as N	0.1	%	IS14684:1999
Total Phosphate as PO4	11	mg/100gm	EPA 3050 B
Iron as Fe	184	mg/kg	EPA 3050 B

Note: NA- Not Applicable, NS- Not Specified.

Umwelt Research Lab Pvt. Ltd. Pune

Mr. Nandkishor Gaidhani
(Director)
Authorized Signatory

- End of Report –

Umwelt Research Lab Private Limited CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 **Email:** info@umweltlab.com, **Website:** www.umweltlab.com

TEST REPORT

Reporting Date:15/05/2023

Sample / Report No.	**URL/NS/23-24/05/A/364**
Name of Customer	**Enviro Policy Research India Pvt. Ltd.**
Address of Customer	607, Oriana Business Park, Road no 22, Wagle Estate, Thane (W), 400604
Name Of Location	**Project Site Located at Malad, Mumbai**
Monitoring For	**Ambient Air**
Sample Drawn by / Date	Laboratory / 09/05/2023

Parameters	PM_{10} ($\mu g/m^3$)	CO (mg/m^3)	NO_x ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)
Method	IS 5182 (Part 23)	IS 5182 (Part 10)	IS 5182 (Part 6)	IS 5182 (Part 24)	IS 5182 (Part 2)
Result	71.3	0.35	22.6	32.4	10.1

Umwelt Research Lab Pvt. Ltd. * Pune *

Mr.Nandkishor Gaidhani
(Director)
Authorized Signatory

-End of Report-

Umwelt Research Lab Private Limited CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 **Email:** info@umweltlab.com, **Website:** www.umweltlab.com

TEST REPORT

Reporting Date:15/05/2023

Sample / Report No.	**URL/NS/23-24/05/A/365**
Name of Customer	**Enviro Policy Research India Pvt. Ltd.**
Address of Customer	607, Oriana Business Park, Road no 22, Wagle Estate, Thane (W), 400604
Monitoring For	**Ambient Noise**
Sample Drawn by / Date	Laboratory/ 09/05/2023
Location	**Project Site at Malad, Mumbai**
Day Time Average (dB)	62 dBA
Night Time Average (dB)	46 dBA

Umwelt Research Lab Pvt. Ltd. * Pune *

Mr. Nandkishor Gaidhani
(Director)
Authorized Signatory

-End of Report-

Umwelt Research Lab Private Limited CIN: U74999PN2017PTC172570
Address: Plot No. 20 (Part), D-III Block, Balaji Chowk, MIDC, Chinchwad, Pune 411019, Maharashtra, India
Contact: +91 8600 100 350, +91 8600 100 360 **Email:** info@umweltlab.com, **Website:** www.umweltlab.com

ANNEXURE - A

1. PROJECT DETAILS

Sr. No.	Description	Details
1	Area Details	Total plot Area: 7153.28 Sq.m Deductions: 7153.28 Sq.m • FSI area (Sq.m): 26,650.17 Sq.mt (Including Fungible Area) • Non FSI area (Sq.m): 18,986.61 Sq.mt • Total BUA area (Sq.m): 45,636.78 Sq.mt
2	Building Configuration	Rehabilitation: 1 Composite Building with 4 Wings (A, B,C &D) Ground (pt)+ Stilt (pt)+ 1 Podium+ 20 Floors Sale: 1 Building with 3 Wings (Wing A, B &C) Basement + Stilt +1 Podium+ 17 Floors
3	No. of Tenements & Shops	Rehabilitation Flats :161 Nos PAP:190 Nos Shops:13 Nos Balwadi: 4 Nos Welfare Centre: 4Nos Society Office: 3 Nos Sale Flats: 6 Nos Sale Shops: 14 Nos Sale Flats: 183 Nos
4	Total Population (Nos.)	Rehabilitation: 1869 Nos Sale: 987 Nos
5	Total Water Requirements (CMD)	**Dry Season:** • Fresh Water (CMD):246 For Domestic: From M.C.G.M= 246 • Recycled water (CMD):129 (STP Treated sewage) Flushing=125 Gardening =5 • Total Water Requirement (CMD): 376 • Swimming Pool make up (Cum): Not Applicable • Fire Fighting (CMD): Rehabilitation: 135 & Sale: 150 (One Time Requirement) **Wet Season:** • Fresh Water (CMD): 246 Domestic: From M.C.G.M=208+ From RWH tank =38

		• Recycled Water (CMD): 125 (STP traded sewage for flushing) • Total Water Requirement (CMD): 371 • Swimming pool make up (Cum) : Not Applicable • Fire Fighting (CMD): Rehabilitation :135 & Sale :150 (One time Requirement)
6	Sewage Generation (CMD) & % of Sewage discharge in sewer line	Sewage generation Rehabilitation: 213 Sale: 107
7	STP Capacity & Technology	STP Technology: RMBR (Rotating Media Bio Reactor) Capacity of STP (CMD):Rehabilitation :235 KL Sale: 120 KL
8	STP Location	Ground Level
9	Total Solid Waste Quantities	Waste generation in the operation Phase: Dry Waste (Kg/day): 372 Wet Waste (Kg/day):860 STP Sludge (Dry Sludge) (Kg/Day): 48 Mode of disposal of waste: Dry waste: Non -recyclable: To M.C.G.M Recyclable: To recyclers Wet waste: Organic waste Converter (OWC) Hazardous waste Biomedical waste (If Applicable): As per norms STP Sludge (Dry Sludge): As Manure Area Requirement: Location(S) and total area provide for the storage and treatment of the solid waste Location: Rehabilitation: Ground Level Sale: Basement level Area: Rehabilitation: 50 Sq.mt Sale: Sq.mt
10	R.G. Area (sq. m).	Total RG Area : RG area other than Green Belt (Please Specify for playground) Not Applicable RG area under Green belt : • RG on the Ground (Sq.m): 686.51 Sq.mt • RG on the Podium (Sq.m):Nil
11	Power requirement	Power Supply:

		Rehabilitation: • Maximum Demand: 1801 KW • Connected Load: 2966 KW **Sale:** • Maximum demand: 2417 KW • Connected Load :4301 KW • Source: Local Authority
12	Energy Efficiency	Energy saving by non-conventional method: Energy saving measures: Using CFL/T5 Lamps Using LED Lamps Use of Electronic Ballast Use of Solar panels for Common Area & External Lighting Using Timers /Sensors in lower for common lighting & external lighting
13	D.G. set capacity	Number and Capacity of the DG Sets to be used Rehabilitation: 1DG Set of 380 KVA Capacity Sale: 1 DG Set of 400 KVA Capacity Type of fuel: Diesel
14	Parking 4W & 2W	Parking Details: • Number and area of basement: 1 Basement for sale Bldg. • Number and area of podia: 1 Podium for Rehabilitation bldg. & 1 Podium for sale Bldg. • Total Parking area: 20 • 2-Wheeler: 567.13 Sq.mt area is provided for 2 Wheelers • 4-Wheeler: 209 Nos • Public Transport: Not Applicable • Width of all Internal Road (m): 4.5 to 6mt

<table>
<tr><th>Sr. No.</th><th>Description</th><th>Details</th></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>15</td><td>Rain water harvesting scheme</td><td>Level of the ground water table : 3.00 to 4.00 m.

Size and no RWH tanks (S) and quantity
One RWH Tank of Capacity 54 KL for rehabilitation Building &
One RWH tank of Capacity 50 KL for sale Building
Location of the RWH (s): Ground</td></tr>
<tr><td>16</td><td>Project Cost in</td><td>124,59,21,300</td></tr>
<tr><td>17</td><td>EMP Cost</td><td>Construction Phase (With Break-up):
Capital Cost
O& M cost (Please ensure manpower and other details)
Total Cost incurred for EMP
<table>
<tr><td>Sr.No</td><td>Component</td><td>Description</td><td>Total Cost (Rs. In Lacs)</td></tr>
<tr><td rowspan="2">1</td><td rowspan="2">Air Environment</td><td>Water for Dust Suppression</td><td>9.72</td></tr>
<tr><td>Air & Noise Monitoring</td><td>0.36</td></tr>
<tr><td rowspan="2">2</td><td rowspan="2">Water Environment</td><td>Tanker waste for Construction</td><td>15.34</td></tr>
<tr><td>Water and wastewater monitoring</td><td>0.54</td></tr>
<tr><td>3</td><td>Land Environment</td><td>Site sanitation</td><td>5.00</td></tr>
<tr><td>4</td><td>Biological Environment</td><td>Gardening</td><td>0.38</td></tr>
<tr><td rowspan="4">5</td><td rowspan="4">Socio-Economic Environment</td><td>Disinfection-Pest Control</td><td>3.60</td></tr>
<tr><td>First Aid Facilities</td><td>0.06</td></tr>
<tr><td>Health Cheek Up</td><td>36.00</td></tr>
<tr><td>Personal Protective Equipment</td><td>5.00</td></tr>
<tr><td></td><td colspan="2">Total Cost</td><td>76.00</td></tr>
</table></td></tr>
</table>

Operation phase (With Break-Up)
Capital Cost
0& M Cost

Sr. No	Component		Description	Capital Cost Rs In Lacs	Operational and Maintenance Cost (Rs.in Lacs/Yr)
1	Air Environment &Biological Enviroment	Gardening	-	3.40	0.60
		Ambient air & Noise Monitoring	-	-	0.12
		Exhaust From DG Set	-	-	0.14
2	Water Environment	Waste water Treatment	STP Cost of (2 STPs of Capacity 120 KL & 235 KL	93.05	23.61
		Waste water Monitoring	-	--	16.60
		Rain water Harvesting Monitoring	Rain Water Harvesting tanks (2 tanks of 10.40 Capacity 50& 54 KL)	10.40	0.52
			Rain water harvesting Monito	--	2.70

			ring		
		3	Land Environment (Solid waste Management)	Cost for treatment of Biodegradable garbage in OWC (3nos)	18.00	4.53
				OWC Manure	---	0.40
		4	Energy Conservation	Solar Panels for External lighting	2.00	0.04
				Solar Panels	78.96	1.58
		5	Other Maintenance Cost	Other Maintenance Cost (FOR SWM, Water tanks ,DG Etc	--	6.76
		Total Cost			205.81	55.58
18	CER Details (with justification, if any)	Not applicable (as per MoEF&CC OM F. NO. 22-65/2017-IA.III dt. 30.09.2020)				

ANNEXURE - B

EMP for Construction Phase

EMP FOR AIR ENVIRONMENT

- **Construction Phase (EMP for Air Environment):**

To mitigate the impacts of PM_{10} & $PM_{2.5}$ during the construction phase of the project, the following measures are recommended for implementation:

Dust Control Plan:

The most cost-effective dust suppressant is water because water is easily available on construction site. Water can be applied using water trucks, handled sprayers and automatic sprinkler systems. Furthermore, incoming loads could be covered to avoid loss of material in transport, especially if material is transported off-site.

Vehicle Emission Controls and Alternatives

- During construction, vehicles will be properly maintained to reduce emission. As it is a construction project, vehicles will be generally having "PUC" certificate.
- Footpaths and Pedestrian ways: Adequate footpaths and pedestrian ways would be provided at the site to encourage non-polluting methods of transportation

Procedural Changes to construction activities

Idle time reduction:

Construction equipment is commonly left idle while the operators are on break or waiting for the completion of another task. Emission from idle equipment tends to be high, since catalytic converters cools down, thus reducing the efficiency of hydrocarbon and carbon monoxide oxidation. Existing idle control technologies comprises of power saving mode, which automatically off the engine at present time and reduces emissions, without intervention from the operators.

Improved Maintenance:

Significant emission reductions can be achieved through regular equipment maintenance. Contractors will be asked to provide maintenance records for their fleet as part of the contract bid, and at regular intervals throughout the life of the contract. Incentive provisions will be established to encourage contractors to comply with regular

maintenance requirements.

Reduction of On-Site Construction Time:

Rapid on-site construction would reduce the duration of traffic interference and therefore, will reduce emissions from traffic delay.

- **Operation Phase (EMP for Air Environment):**

To mitigate the impacts of pollutants from DG set and vehicular traffic during the operational phase of the Project, following measures are recommended for implementation:

Diesel Generator Set Emission Control Measures

Adequate stack height will be maintained to disperse the air pollutants generated from the operation of DG set to dilute the pollutants concentration within the immediate vicinity. Hence no additional emission control measures have been suggested.

RG Development

Increased vegetation in the form of greenbelt is one of the preferred methods to mitigate air and noise pollution. Plants serve as a sink for pollutants, act as a barrier to break the wind speed as well as allow the dust and other particulates to settle on the leaves. It also helps to reduce the noise level to a large extent. The following **Table** indicates various species of the greenbelt that can be used to act as a barrier.

Trees to be planted in the premises of Project

Plantation

Botanical Name	Common Name
Azadirachta Indica	Neem
Anthocephallus Cadamba	Kadamb
Spathodea Companulta	Tulip
Bauhinia Blakeana	Kanchan
Cassisa Renigera	Pink Tenigera
Cordia Lutea	Yellow Cordia
Palm	Palm
Tabebuia Argentea	Golden Bell

EMP FOR NOISE ENVIRONMENT

- **Construction Phase (EMP for Noise Management):**

To mitigate the impacts of noise from construction equipment during the construction phase on the site, the following measures are recommended for implementation.

Time of Operation:

Noisy construction equipment has not been allowed to use at night time.

Job Rotation and Hearing Protection:

Workers employed in high noise areas are not employed on shift basis. Hearing protection such as earplugs/muffs will be provided to those working very close to the noise generating machinery.

Other Measures:

- Developer must ensure barricading for minimum of 5 m (as the site is adjacent to road)
- During construction, shady trees can be planted on the periphery of the boundary to reduce noise impact
- Also to reduce noise impact, one must ensure smooth movement of traffic vehicles

- Measures of NBC, 2016 must be followed by developer to control noise
- Developer must follow guidelines of BS 5228 and Defra Guideline (NO 0234)
- Plant and vehicles should comply with EU noise emission limit
- Control hours of operation of all plants and vehicles and machineries
- Avoid unnecessary use of plant and machinery
- Use acoustic barriers whenever possible
- Use line flat bed lorries or storage bin with noise attenuating materials
- Handle materials carefully; for example, scaffolding and fittings should be carried and placed; not thrown or dropped
- Ensure that materials are delivered and installed during normal working hours
- Ensure site supervision during installation
- Maintain vehicles regularly to reduce engine, exhaust, and body rattle noise
- Use silencer based plants and machinery to avoid noise impact
- Ensure that hard road surfaces are well maintained to reduce rattling of vehicles
- Use mechanical sweeper with noise attenuators
- Observe less or no waiting time for the vehicles or plants and machinery so that they are not running unnecessarily
- Don't leave equipment running unnecessarily
- Service and maintain as well as clean the equipment of regular basis
- As far as possible, use self-compacting concrete to reduce the need for vibrating equipment
- Use shielding or barriers around pumps, compressors and machinery
- Also install online noise monitoring system to understand the noise level at the site (continuous level), so that immediate decision can be taken to control any activity which is causing noise pollution

▪ **Operation Phase:**

To mitigate the impacts of noise from diesel generator set during operational phase, the following measures are recommended

Noise Emission Control Technologies

Source of noise in the operational phase will be from backup DG sets (which will be in operation only during power failure) and pumps & motors. All the machinery will be of highest standard of reputed make and will comply with standard i.e. The DG set room will be provided with acoustic enclosure to have minimum 75 dB(A) insertion loss or for

meeting the ambient noise standard whichever is on higher side.

RG Development

The following species can be used, as in a greenbelt, to serve as noise breakers:

- *Acacia auriculiformis*
- *Anonasquamosa*
- *Acacia farnesiana*
- *Acacia mearnsii*
- *Acacia nilotica*
- *Achras sapota*

EMP FOR WATER ENVIRONMENT

- **Construction Phase (EMP for Water Management):**

To prevent degradation and to maintain the quality of the water source, adequate control measures have been proposed. To check the surface run-off as well as uncontrolled flow of water into any water body check dams with silt basins are proposed. The following management measures are suggested to protect the water source being polluted during the construction phase.

- Avoid excavation during monsoon season
- Care has been taken to avoid soil erosion
- Common toilets have been constructed on site during construction phase and the sewage would be channelized to the septic tanks in order to prevent sewage to enter into the water bodies.
- To prevent surface and ground water contamination by oil and grease, leak-proof containers has been used for storage and transportation of oil and grease. The floors of oil and grease handling area have been kept effectively impervious. Any wash off from the oil and grease handling area or workshop has been drained through imperious drains.
- Collection and settling of storm water, prohibition of equipment wash downs and prevention of soil loss and toxic release from the construction site are necessary measure to betaken to minimize water pollution.
- All stacking and loading area has been provided with proper garland drains,

equipped with baffles, to prevent run off from the site, to enter into any water body.

- **Operation Phase (EMP for Water Management):**

In the operation phase of the project, water conservation and development measures will be taken, including all possible potential for rain water harvesting. Following measures will be adopted.

Water Source Development

Water source development shall be practiced by installation of scientifically designed Rain Water Harvesting system. Rainwater harvesting promotes self-sufficiency and fosters an appreciation for water as a resource.

Minimizing Water Consumption

Consumption of fresh water will be minimized by combination of water saving devices and other domestic water conservation measures. Further, to ensure on-going water conservation, an awareness program will be introduced for the students and employees. The following section discusses the specific measures, which shall be implemented

Wastewater Treatment Scheme

The sewage will be treated in the STP provided within the complex. STP which will be recycled within the project and remaining will be discharged to Sewer.

Other Measures:

- LFD would be installed
- Rainwater harvesting would be installed
- Recycle and reuse of water would be taking place
- Recycled water would be used for flushing and gardening purpose

EMP FOR LAND ENVIRONMENT

- **Construction Phase:**

Construction Debris:

Construction debris is bulky and heavy and re-utilization and recycling is an important strategy for management of such waste. As concrete and masonry constitute the majority of waste generated, recycling of this waste by conversion to aggregate can offer benefits of reduced landfill space and reduced extraction of raw material for new construction activity. This is particularly applicable to the project site as the construction is to be completed in a phased manner. Mixed debris with high gypsum, plaster, has not been be used as fill, as they are highly susceptible to contamination, and will be send to designated solid waste landfill site. Metal scrap from structural steel, piping, concrete reinforcement and sheet metal work has been removed from the site by construction contractors. A significant portion of wood scrap has been reused on site. Recyclable wastes such as plastics, glass fibre insulation, roofing etc. shall be sold to recyclers.

Hazardous Waste:

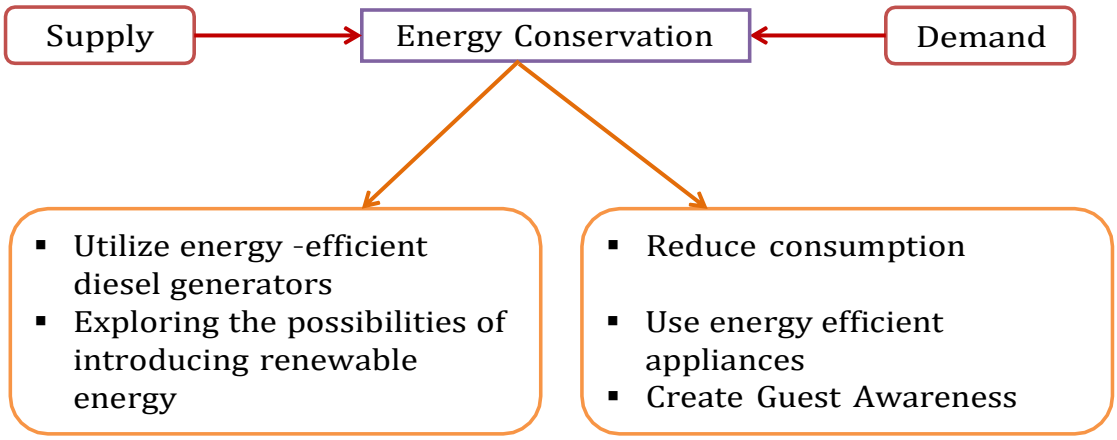
Construction sites are sources of many toxic substances such as paints, solvents wood preservatives, pesticides, adhesives and sealants. Hazardous waste generated during construction phase shall be stored in sealed containers and disposed off as per The Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.

- **Operation Phase:**

The philosophy of solid waste management at the complex will be to encouraging the four R's of waste i.e. Reduction, Reuse, Recycling and Recovery (materials & energy). Regular public awareness meetings will be conducted to involve the people in the proper segregation andstorage techniques. With regards to the disposal/treatment of waste, the management will take the services of the authorized agency for waste management and disposal of the same on the project site during its operational phase.

EMP FOR ENERGY CONSERVATION

Energy conservation program will be implemented through measures taken both on energy demand and supply.



Energy conservation will be one of the main focuses during the complex planning and operation stages. The conservation efforts would consist of the following;

Architectural design

- Maximum utilization of solar light has been done.
- Maximize the use of natural lighting through design.
- The orientation of the buildings has been done in such a way that maximum daylight is available.
- The green areas has been spaced, so that a significant reduction in the temperature can take place

Energy Saving Practices

- Energy efficient lamps have been provided within the complex.
- Constant monitoring of energy consumption and defining targets for energy conservation.
- Adjusting the settings and illumination levels to ensure minimum energy used for desired comfort levels

ENVIRONMENTAL MONITORING

The purpose of environmental monitoring is to evaluate the effectiveness of implementation of Environmental Management Plan (EMP) by periodic monitoring. The important environmental parameters within the impact area are selected so that any adverse effects are detected and time action can be taken. The project proponent will monitor ambient air Quality, Ground Water Quality and Quantity, and Soil Quality in accordance with an approved monitoring schedule.

The detailed Monitoring Programme is given in **Table**

Monitoring Programme for Project

Sr. No.	Type	Location	Parameters	Period and Frequency
1	Ambient Air Quality	Project Site	Criteria Pollutants: SO_2, NO_2, PM_{10}, $PM_{2.5}$, CO	Half yearly (24 hr. average samples) during construction phase and annual during operation phase.
2	Groundwater (Portability testing)	Project Site	Drinking water parameters as per Standards	Half yearly
3	Ambient Noise	Project Site	dB (A) levels	Half yearly (Hourly day and night time leq levels) during construction phase and every year during operation phase.
4	Potable Water Quality	Municipal Supply	As per IS potable water standards	Half yearly
5	Soil Quality	Project Site	Organic matter, C.H., N, Alkalinity, Acidity, heavy metals and trace metal, Alkalinity, Acidity	Half yearly
6	Waste Characterization	Educational	Physical and Chemical composition	Daily
7	Treated Water	Outlet of STP	BOD, MPN, coliform count, etc.	Daily

ANNEXURE - C

EMP Costing During Construction Phase

Sr.No	Component	Description	Total Cost (Rs. In Lacs)
1	Air Environment	Water for Dust Suppression	9.72
		Air & Noise Monitoring	0.36
2	Water Environment	Tanker waste for Construction	15.34
		Water and wastewater monitoring	0.54
3	Land Environment	Site sanitation	5.00
4	Biological Environment	Gardening	0.38
5	Social-Economic Environment	Disinfection-Pest Control	3.60
		First Aid Facilities	0.06
		Health Check Up	36.00
		Personal Protective equipment	5.00
	Total Cost		**76.00**

EMP Costing During Operation Phase

Sr.No	Compound		Description	Capital Cost Rs. In Lacs	Operational and Maintenance Cost (Rs.in lacs/yr)
1	Air Environment		Gardening	3.40	0.60
			Ambient Air Quality & Noise level	--	0.12
			Exhaust From DG Set	--	0.12
2	Water Environment	Waste water treatment	STP Cost of (2 STPs of capacity 120 KL & 235KL)	93.05	23.61
		Waste water monitoring	--	--	14.60
		Rain Water Harvesting Monitoring	Rain Water Harvesting tanks (2 tanks of capacity 50 & 54 KL)	10.40	0.52
			Rain water harvesting monitoring	--	2.70
3	Land Environment (Solid waste Management)		Cost for Treatment of Biodegradable garbage in OWC	18.00	4.53
			OWC manure	--	0.40
4	Energy Conservation		Solar Panels for external lighting	2.00	0.04
5	Other maintenance Cost		Other maintenance cost (For SWM, Water tanks ,DG Etc)	--	6.76
Total Cost				**205.81**	**55.58**

Till date approx. **Rs. Nill** was spent for the Environment Management Plan

EMP Letter

SIDDHARTH ENTERPRISES
A Shreeji Group Association

Date:

Undertaking

Subject : EMP Expenditure letter for Proposed SRA Project at plot bearing CTS No.1 (pt), 2(pt) of village valnai, Tal.Borivali at Malad (west) for "Valnai Parivartan SRA CHS (Prop)" Mumbai is being developed **by M/s. Siddhartha Enterprises Builders & developers**

Respected sir,

We, **by M/s. Enterprises Builders & developers.** have received EC for Proposed SRA Project at plot bearing CTS No.1 (pt), 2(pt) of village valnai, Tal.Borivali at Malad (west) for "Valnai Parivartan SRA CHS (Prop)" Mumbai (EC Vide Letter No. SEAC-2013/CR-443/TC-1 dated 29th September 2014.)

We would like to state that till date Rs. _____ Lakhs has been incurred on Environment Management Plan.

Thanking you,

Yours faithfully,

For, M/s. Siddharth Enterprises Builders & Developers

Authorized Signatory

Office : 1st Floor, Shreeji Atlantis, CTS No 216, Gautam Buddha Marg, Opp. Orlem Church, Near Axis Bank, Malad (West), Mumbai - 400 064. **Tel. :** +91 - 22 - 2867 3940 / 3950 / 3960 **E-mail :** shreejisiddharth@gmail.com