

POLLUTION CONTROL BOARD, ASSAM
BAMUNIM AidAM, GUWAHATI – 21



No.WB/T-2182/11-12/301

Dated Guwahati, 20/1/12

1598

“CONSENT TO ESTABLISH”

Provisional “**CONSENT TO ESTABLISH**” is hereby granted to M/s. Build Well India Pvt. Ltd. (“**SUBHAM BUILD WELL**”) for their Construction project (Commercial cum Residential Complex) having 312 (three hundred and twelve) nos. of Flats with Garden, Swimming pool, open space etc. with plot area – 23,302 m³ & built up area – 67,109 m² at R. G. Baruah Road, Vill – Japorigog, Guwahati – 5 in the dist. of Kamrup (M) Assam under the following terms & conditions:

A. Construction Phase

1. 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 etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
2. A First Aid Room will be provided in the project both during construction and operation of the project.
3. All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
4. Disposal of mud 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.
5. 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.
6. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach in to the ground water.
7. Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Assam Pollution Control Board, Assam Control Board.
8. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
9. The diesel required for operating DG Sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.
10. 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.

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11. 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/APCB. The unit should follow 'The noise Pollution (Regulation and Control) Rules, 2000 as amended.
12. Preferably fly ash bricks shall be used in place of ordinary bricks.
13. 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. As the site is located within the 100 Km. of Thermal Power Stations.
14. Ready mixed concrete must be used in building construction.
15. Storm water control and its re-use as per CGWB and BIS standards for various applications.
16. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
17. Permission to draw ground water shall be obtained from the Competent Authority prior to construction/operation of the project.
18. Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.
19. 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.
20. Use of glass may be reduced by 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.
21. Roof should meet prescriptive requirement as per Energy Conservation building Code by using appropriate thermal insulation material to fulfill requirement.
22. 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.
23. The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc.
24. 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.
25. 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.



B. Operation Phase

26. 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 Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Pollution Control Board, Assam. Necessary measures should be made to mitigate the odour problem from STP.
27. The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material. The unit should follow "The Municipal Solid Wastes (Management and Handling) Rules, 2000 as amended.
28. 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 of low sulphur diesel is suggested. The location of the DG sets may be decided as per the direction of Pollution Control Board, Assam.
29. 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.
30. The green belt of the adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.
31. Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.
32. Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 mts. above the highest ground water table.
33. The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
34. 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.
35. A Report on the energy conservation measures conforming to energy conservation norms finalise by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submit to the Ministry in three months time.
36. 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.

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37. Central air-conditioning energy efficient system having at least 3 stars rating of BEE may be providing for the proposed complex.
38. Efforts may be made to use solar energy to the maximum extent possible.
39. Adequate measures should be taken to prevent odour problem from solid waste processing plant and STP.
40. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
41. Adequate fire fighting with fittings the fire hydrant etc. shall have to be provided in order to prevent hazardous fire.
42. The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.
43. The stipulations would be enforced among others under the provisions of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.
44. "Consent to Establish" is issued as per Ministry of Environment and Forest, IA Division, Government of India, F.No.J-11013/41/2006-A-II (I), Circular, dated the November 21, 2006, Sl. No. (i). The "Consent to Establish" may be revoked incase of failure of receipt of Environmental clearance as per S.O. 1533, dtd. 14/9/2006.

sdr
Member Secretary

Memo No.WB/T-2182/11-12/301 - A

Dated Guwahati,

Copy to:

1. M/s. Build Well India Pvt. Ltd. ("SUBHAM BUILD WELL"), R. G. Baruah Road, Vill – Japorigog, Guwahati – 5, Dist. Kamrup (M) Assam for information & necessary action. The "**CONSENT TO ESTABLISH**" is valid subject to fulfillment of above terms & conditions and also subject to obtaining necessary permission from other Competent Authorities.
2. The Deputy Secretary to the Govt. of Assam, Department of Environment & Forest, Dispur, Guwahati – 6 for favour of information.
3. The Deputy Commissioner, Kamrup (M) for kind information.
4. The General Manager, DI & CC, Kamrup (M) for information.
5. The Sr. Env. Engineer, Regional Office, Guwahati, Pollution Control Board, Assam for information & necessary action. The "**CONSENT TO ESTABLISH**" is valid subject to fulfillment of above terms and conditions and also subject to obtaining necessary permission from other Competent Authorities. This has a reference vide letter No. APCB/ROG/T-4053/11-12/60 dtd. 7/01/2012.

20.01.12
Member Secretary



LIQUID - PERMISSIBLE LIMIT

SL	PARAMETER	UNIT	S T A N D A R D S				
			Inland Surface Water	Public Sewer	Land of Irrigation	Marine or Coastal Irrigation	
		--	Remove as far as practicable				
1	COLOUR AND ODUR	mg/l	100	600	200	*	
2	SUSPENDED SOLID	--	Small	Size	Pass	**	
3	PARTICLE SIZE OF SUSPENDED SOLID	--	850 μ	IS	Sieve		
4	pH	--	5.5-9.0	5.5-9.0	5.5-9.0	5.5-9.0	
5	TEMPERATURE	$^{\circ}$ C	***	***	***	***	
6	OIL AND GREASE	mg/l	10	20	10	20	
7	TOTAL RESIDUAL CHLORINE	mg/l	1	1	1	1	
8	AMMONICAL NITROGEN (as N)	mg/l	50	50	--	50	
9	TKN (as NH ₃)	mg/l	100	--	--	100	
10	FREE AMMONIA (as NH ₃)	mg/l	5	--	--	5	
11	BOD (3 day, 27 $^{\circ}$ C)	mg/l	30	100	100	100	
12	COD	mg/l	250	--	--	250	
13	ARSENIC (as As)	mg/l	0.20	0.20	0.20	0.20	
14	MERCURY (as Hg)	mg/l	0.01	0.01	--	0.01	
15	LEAD (as Pb)	mg/l	0.10	1	--	2	
16	CADMIUM (as Cd)	mg/l	2	1	--	2	
17	HEXAVALENT CHROMIUM (as Cr ⁺⁶)	mg/l	0.10	2	--	1	
18	TOTAL CHROMIUM (as Cr)	mg/l	2	2	--	2	
19	COPPER (as Cu)	mg/l	3	3	--	3	
20	ZINC (as Zn)	mg/l	5	15	--	15	
21	SELENIUM (as Se)	mg/l	0.05	0.05	--	0.05	
22	NICKEL (as Ni)	mg/l	3	3	--	5	
23	CYNAMIDE (as CN)	mg/l	0.20	2	0.20	2	
24	FLUORIDE (as F)	mg/l	2	15	--	15	
25	DISSOLVED PHOSPHATE (as P)	mg/l	5	--	--	--	
26	SULFIDE (as S)	mg/l	2	--	--	5	
27	PHENOLIC COMPOUND (as C ₆ H ₅ OH)	mg/l	1	5	--	5	
28	RADIOACTIVE MATERIALS (μ curie/ml)	ALFA	--	10 ⁻⁷	10 ⁻⁷	10 ⁻⁸	10 ⁻⁷
		BETA	--	10 ⁻⁶	10 ⁻⁶	10 ⁻⁷	10 ⁻⁶
		--	****	****	****	****	
29	BIO-ASSAY TEST	--	****	****	****	****	
30	MANGANESE (as Mn)	mg/l	2	2	--	2	
31	IRON (as Fe)	mg/l	3	3	--	3	
32	VANADIUM (as V)	mg/l	0.20	0.20	--	0.20	
33	NITRATE NITROGEN	mg/l	10	--	--	20	

Note :

* (a) for process water=100 mg/l,
 (b) for cooling 10% more than influent

** (a) floating max. 3mm, (b) Settlabale max. 850 μ m

*** Shall not exceed 5 $^{\circ}$ C above the receiving water temperature

**** 90% survival of fish after 96 hrs in 100% effluent

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