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BANGALORE WATER SUPPLY AND SEWERAGE BOARD
Cauvery Bhavan, K.G. Road, Bangalore-560009

No. BWSSB/EIC/CE(M)/ACE(M)-I/DCE(M)-II/TA(M)-I/5536 /2016-17

Date: 11/8/2016

To

Shri. Bharath P Shah & Smt. Veena Hasmukh Shah,
No.333, Thimmaiah road,
Bangalore-560052.

Sir,

Sub: Issue of No Objection Certificate for the proposed Residential Apartment Building
at Sy No.28, Kenchenahalli village, Yelahanka Hobli, Bangalore North Taluk.
(167 flats)

Ref: 1) Requisition letter from Shri. Bharath P Shah & Smt. Veena Hasmukh Shah,
dt: 5.11.2015.

2) No. BWSSB/EECMC-3/PB/ 966 /2015-16 dt: 11.11.2015.

3) Proceedings review meeting dt: 20.1.2016. (Case No.4)

4) O.N. approved by 'C' dt: 30.1.2016.

5) File No.1409

6) No.BWSSB/EIC/CE(M)/ACE(M)-I/DCE(M)-II/TA(M)-I/13619/15-16
dt: 8.2.2016.

7) No.BWSSB/EIC/CE(M)/ACE(M)-I/DCE(M)-II/TA(M)-I/5164/16-17
dt: 4.8.2016.

Please find herein enclosed a copy of plan endorsed for 'No objection Certificate' from BWSSB for providing water supply and underground facilities, subject to the following conditions.

- 1) The water supply to the premises / layouts / society will be provided subject to the availability of water prevailing at the time of sanctioning the connection. For buildings falling under the jurisdiction of 110 villages, the water supply will be given only after the completion of 110 villages project.
- 2) The party has to bear the cost of line estimate for both water supply and U.G.D lines, if there is no network near by the premises. Also, if the existing water supply and UGD lines needs up gradation, the cost towards upgrading the existing system has also to be borne by the developers.
- 3) The party has to pay the necessary prorata and other charges towards the building as specified by the Board prevailing at the time of sanction.

NOC Cov Letter

- 4) The party should not provide sanitary points in cellar or Basement floor. Rain water should not be let into the Board sewer line, which is against the BWSSB Act.
- 5) The flat owners / occupants should make arrangements to install a separate individual water meter in the premises of the apartment to ascertain the actual quantum of water utilized by them.
- 6) The applicant must create suitable structure/facility for rain water harvesting and ground water recharge.
- 7) The quantum of water supply and pressure will not be guaranteed.
- 8) Tertiary treated water available at BWSSB sewage treatment plants should be used for construction purpose in order to conserve potable water or otherwise they should make their own arrangements.
- 9) **For residential building with more than 20 flats and non-residential building with more than 100 smt. built up area the owner / developer has to set up suitable Sewage Treatment Plant for treating the waste water generated in their premises to achieve the standards as per the Annexures- I, II & III enclosed herewith.**
- 10) The applicant should make provisions for dual piping system to enable use of the treated water for toilet flushing, gardening and other purposes.
Drinking water pipe colour - Blue
Treated water pipe colour - Light Orange
- 11) The applicant should not allow the untreated sewage out of the premises. The applicant is solely responsible for any environmental pollution.
- 12) If there are no UGD lines in the above area and until Board's sewer lines are provided, the developers should treat the sewage and treated effluent should be used for non potable purposes.
- 13) The difference in amount collected towards NOC charges & other charges as applicable, between the proposed area & actual construction area shall be paid at the time of seeking water supply and sanitary connections.
- 14) The applicant has to bear the share of providing water supply feeder mains, sewer sub- mains and waste water treatment plant, if demanded by the Board.
- 15) The party has to ear-mark the land if required for construction of GLR, OHT, sump tank, pump house service station etc., and land should be handed over to BWSSB "free of cost".
- 16) If any BWSSB lines are passing through the premises, the necessary shifting charges has to be borne by the developers. Further, set back has to be provided as directed by Board for safety of the pipelines.

- 17) The party should abide the "Rules and Regulations of BWSSB" from time to time.
- 18) BWSSB reserves the right to sanction or reject the water supply or UGD Connections without assigning any reasons.
- 19) NOC issued will be revoked if any dispute arises at any stage.
- 20) NOC issued should be produced at the time of availing connection along with plan.
- 21) If the above area falls under Tippagondanahalli catchment area this NOC will automatically be treated as cancelled.
- 22) Buildings or any permanent structure should not be constructed for a minimum distance of width of 5.00 mtrs adjacent to storm water drain, Nala, Raja Kaluve & Valleys.
- 23) The building including basement should be above the High Flood level of adjacent valleys, storm water drain, low lying area.
- 24) Under circumstances the NOC charges & BCC charges will not be refunded. Even if NOC is cancelled for any reasons.
- 25) Land acquired or notified for BWSSB infrastructure development or earmarked for BWSSB works should not be encroached or any structures constructed. If violated, penal action will be initiated.
- 26) STP operation log book should be maintained duly incorporating other details such as staff test results etc.,
- 27) Sewage treated water should be utilizing within the premises for non-potable purpose so as to reduce load on BWSSB sewers / STP for which recurring expenditure is incurred towards maintenance by Board.
- 28) Chartered energy meter should be installed for STP duly obtaining permission from BESCOM.
- 29) Authorised personnel from Board & other Government Departments are empowered to inspect the STP without prior intimation & randomly at any time.
- 30) The orders of the National Green Tribunal (NGT) original application No.222/2014. Principal Bench New Dehli. Forward Foundation and others vs. State of Karnataka and others should be followed stringently.

The proposed project is for Residential Apartment Building to be constructed on a sital area of is 13153 Smt. The proposed project building consists of 01 BF + GF + 04 Upper Floors for 167 flats with a built up area is 33946.59 Smt. The premises falls under the jurisdiction of 110 villages project.

NOC Cov Letter

The Developer has paid BCC charges of an amount of **Rs.36,09,040/-** as follows:

a) Rs.18,04,520/- vide receipt No.13144 dt: 13.7.2016.

b) Rs.18,04,520/- vide receipt No.13550 dt: 5.8.2016.

The Developer has paid an amount of **Rs.3,39,466/-** N.O.C charges vide receipt No.13145 dt: 13.7.2016.

The above NOC file is entered in the Central office register vide No.1409.

Note: The Water supply to the premises will be given only after completion of 110 villages project.

Yours faithfully

Jee N. Nannu 17/8/16
Chief Engineer(M)
BWSSB
M

O.C. Approved by CE(M)

ANNEXURE-I

The disposal of trend leachates from Industrial into Board's sewers shall follow the standard namely

Sl No	Parameters	
1	Suspended solids, mg/l, max	600
2	Dissolved solids (inorganic) mg-l, max	2100
3	PH value	5.5 to 9.0
4	Ammonical nitrogen (as N), mg/l, max	50
5	Total Kjeldahl nitrogen (as N0, mg/l, max	-
6	Biochemical oxygen demand (3 days at 27 C) max)mg/l)	350
7	Chemical oxygen demand, mg/, max	-
8	Arsenic (as As), mg/l, max	0.2
9	Mercury (as Hg), mg/l, max	0.01
10	Lead (as Pb), mg/l, max	1.0
11	Cadmium (as Cd), mg/l, max	1.0
12	Total Chromium (as Cr), mg/l, max	2.0
13	Oil and Grease mg/L, max	2.0
14	Hexavalent Chromium (as Cr + 6) mg/L, max	2
15	Selenium (as Se) mg/L, max	0.05
16	Copper (as Cu), mg/l, max	3.0
17	Zinc (as Zn), mg/l, max	15
18	Nicket (as Ni), mg/l, max	3.0
19	Cyanide (as CN), mg/l, max	2.0
20	Chloride (as Cl), mg/l, max	1000
21	Fluoride (as F), mg/l, max	15
22	Phenolic compounds (as	5.0
23	Radioactive materials	
	a) Alpha emitters (Micro Curie/ml) max	10
	b) Beta emitters (Micro Curie/ml) max	10
24	Bio-assay test	90% survival of fish after 96 hours in 100 % effluent
25	Manganese (as Mn)mg/L	2
26	Iron (as Fe) Mg/L	3
27	Vanadium (as V)	0.2
28	Nitrate Nitrogen mg/L	-
29	Sulphates (as SO4) mg/L	1000
30	Chlorides (as CL) mg/L	600
31	Boron (as B) mg/L, max	2.0
32	Percent sodium max	3.0


 Chief Engineer-M
 BWSB.
 Bangalore.

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ANNEXURE-II

Usage of existing ground water from borewells / open wells for any purpose including drinking is to be considered after ensuring its quality. The following specifications for drinking water quality shall apply for monitoring purpose, namely:-

Sl. No.	Parameters	IS 10500 : 1991 Desirable limit (Mg / l except for PH)
1	Arsenic	0.05
2	Cadmium	0.01
3	Chromium	0.05
4	Copper	0.05
5	Cyanide	0.05
6	Lead	0.05
7	Mercury	0.001
8	Nickel	-
9	Nitrate as NO ₃	45.0
10	PH	6.5-8.5
11	Iron	0.3
12	Total hardness (as CaCO ₃)	300.0
13	Chlorides	250
14	Dissolved solids	500
15	Phenolic compounds (as C ₆ H ₅ OH)	0.001
16	Zinc	5.0
17	Sulphate (as SO ₄)	200

ANNEXURE-III Bio-Medical Waste

Liquid Waste	
Waste generated from laboratory and washing, cleaning, house-keeping and disinfecting activities	Disinfection by chemicals treatment using at least 1% hypochlorite solution or any other equivalent chemical reagent. It must be ensured that chemical treatment ensures disinfection before discharge into sewers
Chemical Waste	
Chemicals used in production of biological, chemicals used in disinfection, as insecticides, etc.,	Chemical treatment using at least 1% hypochlorite solution or any other equivalent chemical reagent. It must be ensured that chemical treatment ensures disinfection before discharge into sewers
Sewage generated in apartments treated with re-cycling plant / Sewerage Treatment Plant on land use	Should be treated BOD ₅ - 20 mg / L Suspended solids - 30 mg / L


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 BWSSB.
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