Supplementary Agenda for the 151st meeting of State Expert Appraisal Committee to be held on 24.10.2016 at 10.00 AM in the Committee Room, Punjab Pollution Control Board, Nabha Road, Patiala.

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Item No. 151.12: Application for transfer of environmental clearance earlier granted under EIA notification dated 14.09.2006 to M/s Motia Township (P) Ltd. for the expansion of group housing project namely Motia Oasis at Zirakpur from Motia Oasis to Highland Park developed by M/s Highland Park Homes, Zirakpur (Proposal no.SIA/PB/NCP/17036/2015)

The facts of the case are as under:-

M/s. Motia Township had applied for environmental clearance under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Motia Oasis " at Zirakpur, Distt. SAS Nagar. The project is covered under category 8 (a) of the Schedule appended to the said notification.

Accordingly, SEIAA in its 91st meeting which was held on 10.09.2015 granted environmental clearance to the project proponent for expansion of a housing project namely "Motia Oasis" in an area of 33,873.39 sqm having total built up area 79,586 sqm with total no. of flats as 627, in the revenue estate, Zirakpur, Tehsil Derabassi, Distt. S.A.S. Nagar, subject to the conditions as proposed by the SEAC in addition to the measures proposed therein. The environmental clearance was issued in the name of M/s Motia Township (P) Ltd., High Land Marg, Patiala Road, Zirakpur vide no. 5184 dated 01.10.2015.

Now, the project proponent has applied for transfer of said environmental clearance in the name of Highland Park developed by M/s Highland Park Homes, Zirakpur. The project proponent has mentioned in its covering letter that name in the approved plan & other permissions have been changed from Motia Oasis to Highland Park. The project proponent has also attached the following additional documents:-

a) Joint Development Agreement dated 07.04.2016 between M/s Motia Township Pvt. Ltd. & M/s Highland Park Homes.
b) Copy of partnership deed dated 15.03.2016 wherein there are five partners of M/s Highland Park Homes, Zirakpur
c) Copy of Authorization letter dated 05.04.2016 wherein Sh. Shubham Goyal & Sh. Harjinder Singh have been authorized to sign all the documents on behalf of firm as they are partners in the firm namely M/s Highland Park Homes, Zirakpur.

d) Copy of letter no. 6464 dated 19.05.2016 issued EO, MC, Zirakpur regarding NOC for change of name from Motia Oasis to Highland Park subject to the condition that if there is any dispute of ownership in future then MC, Zirakpur will not be responsible & change of name in the approved building plan will be considered null & void.

e) Copy of set of application form alongwith acknowledgement filed online to Forest Department for obtaining NOC from NBWL as the site is falling within the radius of 9 kms from Khol Hi Raitan Wild Life sanctuary.

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali was requested vide e-mail dated 24.08.2016 to visit the project site and submit report regarding latest construction status.

The Environmental Engineer, Punjab Pollution Control Board, Regional Office, Mohali vide return email dated 24.08.2016 has intimated that the site of the subject cited project was visited by AEE of this office on 16/06/2016 and Sh. Amarjit Singh, Chief Engineer and Sanjeev Kumar, Project Engineer of the project was contacted. The status of the construction as noticed during the said visit is given as under:

Sr. No.	**Name of the Tower**	**Total No. of flats as per approved plan after expansion.**	**Total No. of flats as per approved layout plan before expansion**	**Construction Status**
1)	Tower-1	44 (S + 11)	42 (S + 11)	Civil construction work was in progress.
2)	Tower-1 A	44 (S + 11)	42 (S + 11)	Civil construction work was in progress.
3)	Tower-2	66 (S + 11)	34 (S + 5)	All completed
4)	Tower-3	88 (S + 11)	10 (S + 1)	Only construction work of foundations has been completed.
5)	Tower-4	88 (S + 11)	88 (S + 11)	Almost completed and is ready for possession.
6)	Tower-5	44 (S + 11)	4 (S + 1)	Civil construction work was in progress.
7)	Tower-6	44 (S + 11)	4 (S + 1)	No construction work started.
8)	Tower-7	44 (S + 11)	4 (S + 1)	No construction work started.

9)	Tower-7A	36 (S + 9)	4 (S + 1)	No construction work started.
10)	Tower-8	72 (S + 9)	64 (S + 8)	Almost completed and is ready for possession.
11)	EWS	57 (G+4)	29	No construction work started.
	Total	627	325	

The case was considered by the SEAC in its 149th meeting held on 29.08.2016, which was attended by Sh. AB Dixit, Administrative Manager of the promoter company on behalf of project proponent.

The SEAC observed that the representative who attended the meeting was not well conversant with the facts of the case and could not explain the legal entities in the joint development agreement dated 07.04.2016 between Motia Township Pvt. Ltd., M/s Motia Projects and M/s Highland Park Homes.

After deliberations, the SEAC decided to defer the case till the project proponent himself attends the meeting or sends sufficiently senior and responsible person who is well familiar with the project details and can explain legal entities in the agreement.

The case is placed before SEAC for consideration.

Item no.151.13: Application for environmental clearance under EIA notification dated 14.09.2006 for expansion of area development project cum township project comprising of residential colony, commercial buildings & group housing plots residential colony namely "Estate One" at Village Rajpura, Hussainpura and Bhatian, District Ludhiana being developed by M/s Eldeco Infrastructures & Properties Ltd. (Proposal no. SIA/PB/MIS/53933/2016)

The SEAC observed that:

M/s Eldeco Infrastructures & Properties Ltd. has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for expansion of residential colony namely "Estate One" at Village Rajpura, Hussainpura and Bhattian of District Ludhiana, Punjab. The project is covered under category building construction 8 (a) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- Earlier, the project was accorded environmental clearance by the MoEF vide no. 349 dated 13.01.2011 for construction of residential colony on plot area of 1, 98,388.06 sq mtr having built up area 68,302.87 sq mtr. The breakup of plots which was proposed at that time was to develop 291 plots, group housing plots, EWS Houses and commercial complex. The total water requirement was 902 KLD including fresh water requirement of 631 KLD. The capacity of the STP proposed was 950 KLD. Treated waste water to be used for flushing was 271 KLD, Horticulture was 212 KLD, & HVAC + DG cooling 205 KLD. Total solid waste proposed to be generated at that time was 3442.85 KG/day. The Total power requirement was 2539 KVA. The total car parking spaces proposed were for 699 cars. The total cost of the project was Rs. 62.376 crore. Till now 200 residential units have been developed out of 369 plots after grant of environmental clearance on the proposed site and proposed expansion is to develop 209 residential units thereby totaling it to 578 units.
- Now, the project proponent has applied for expansion of residential colony and the details of proposed expansion project as per application form are

given below:

a) The total plot area of the project has been increased from 1, 98,388.06 sq mtr to 296128.25 sqm and total built up area of the Project from 68,302.87 sq mtr to 84170.98 sqm.

b) The existing, proposed & total water balance for all the three seasons as per application form is given in tabulated form:-

Existing Water Balance

Total water requirement=1036 KLD which includes fresh water @600 KLD & treated waste water @436 KLD.

Waste water generation= 712 KLD

STP capacity 950 KLD

Season	Reuse for flushing (KLD)	For horticulture purpose (KLD)	HVAC make up water (KLD)	Surplus treated water (KLD)
Summer	312	84	40	276
Winter	312	28	40	332
Rainy	312	8	40	352

Proposed Water Balance for expansion area

Total water requirement=713 KLD which includes fresh water @327 KLD & treated waste water @386 KLD in summer season.

Total water requirement=705 KLD which includes fresh water @327 KLD & treated waste water @378 KLD in winter season.

Total water requirement=676 KLD which includes fresh water @327 KLD & treated waste water @349 KLD in winter season.

Waste water generation= 429 KLD

STP capacity 530 KLD

Season	Reuse for flushing (KLD)	For horticulture purpose (KLD)	HVAC make up water (KLD)	Surplus treated water (KLD)
Summer	168	121	97	Nil
Winter	168	40	170	8

Rainy	168	11	170	37

Total Water Balance for all three seasons

Total water requirement=1823 KLD which includes fresh water @927 KLD & treated waste water @896 KLD in summer season.

Total water requirement=1685 KLD which includes fresh water @927 KLD & treated waste water @758 KLD in winter season.

Total water requirement=1636 KLD which includes fresh water @927 KLD & treated waste water @709 KLD in summer season.

Waste water generation= 1223 KLD

STP capacity 1470 KLD

Season	Reuse for flushing (KLD)	For horticulture purpose (KLD)	HVAC make up water (KLD)	Surplus treated water (KLD)
Summer	481	205	210	204
Winter	481	67	210	342
Rainy	481	18	210	391

It is mentioned here that the existing water balance does not match with the water balance given in the environmental clearance.

- The project proponent has mentioned that there is immediate necessity to provide intermediate holding cum oxidation tank to tackle surplus treated waste water after secondary clarifier tank when the biological treatment of sewage completed before the start of physical treatment through means of pressure sand filter and activated carbon filter. The appropriate dimension of oxidation tank will be 10 x 12 x 4 meter accumulating the capacity of oxidation tank 480 m3. The hydrogen peroxide may be added to the tank drop wise to remove trace organics. The aeration mechanism will be connected through existing blower so that treated waste water not remains stagnant. In normal intermittent rainy days, the said oxidation tank will be capable to hold treated water. However, in case of heavy rainy days, evapotranspiration mechanism may be added to the oxidation system to

vaporize the surplus treated water depending upon requirement.

- Earlier, the total quantity of solid waste generation was 3102 kg/day and from proposed expansion project is 1676 kg/day thereby totaling it to 4778 kg/day. Solid wastes generated will be segregated & collected through Garbage chute system. The biodegradable organic wastes will be converted to manure by using vermi composting. Recyclable waste will be sold to authorized venders. Inert waste will be sent to Municipal dumping site. Non recyclable waste will be sent to dumping site already approved.
- The total load of electricity earlier required for the project was 3010 KW which will be taken from the PSPCL. Now proposed power requirement is 3301 KW thereby totaling it to 6311 KW. There is a proposal to install 7 number silent DG Sets (6 X 250 KVA & 1 x 380 KVA) for power back up of 1880 KW as stand-by arrangement
- The project proponent has also proposed to provide rain water harvesting pit to recharge the rain water.
- Used oil to be generated from the DG sets will be stored in HDPE tanks and sold to the authorized recyclers.

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	(a) **In case(s) where land has already been purchased/acquired:** Proof of ownership of land (b) **In case where land is yet to be purchased/acquired:** Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)	Copies of different sale deeds of land have been submitted but in different names Copies of CLU attached issued by CTP, Punjab
3.	Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.	submitted
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	Submitted vide letter no. 223 dated

		13.01.2016
5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	submitted
6.	Status of construction, if any, alongwith photographs from all the four sides.	*Mentioned in application form that it has been attached as annexure on page189 but instead of photographs, pert chart has been attached.*
7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted
8.	Complete details of following by making it an integral part of the conceptual plan/drawing/layout map:- i) Location of STP ; ii) Solid waste storage area. iii) Green belt iv) Parking space v) RWH and water recharge pits vi) Fire fighting equipment layout vii) First aid room viii) Location of Tubewells ix) DG Sets and Transformers x) Any other utilities	i. Marked ii. Not Marked iii. Marked iv. Marked v. Marked vi. Marked vii. Marked viii. Marked ix. Marked
9.	Permission of Competent Authority for; **a) Water and Sewerage connection** A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan. b) Collection of Solid waste	Regarding abstraction of ground water, the project proponent has proposed to abstract water from own tube well & permission for the same has been submitted from CGWA. However, sewer has not been proposed & no permission submitted for the

		same from local body.
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of adequate land for use of treated sewage and plantation.	Not proposed
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories as per detail below: (i) The monitoring of groundwater, ambient air quality, noise & soil can be carried out after at least 72 hours advance intimation to SEIAA, Punjab at the e-mail id: seac_pb@yahoo.com and concerned Regional Office of Punjab Pollution Control Board. (ii) The field data sheets as prescribed by SEIAA, Punjab which are available on the official website of SEIAA, Punjab alongwith exact location of sampling / monitoring point marked on the layout map should be filled at the time of sample collection/monitoring by the Lab and should be attached with the water, air, noise & soil monitoring reports. (iii) Water, air, noise & soil monitoring reports more than 6 months old or prior to date of signing of consent letters/agreement with the land owner shall not be accepted w.e.f. June, 1st 2015 onwards. (iv) At least one groundwater sample from the shallow / first aquifer and in case groundwater is to be abstracted for drinking purposes then atleast one groundwater sample from the said aquifer should be monitored and reports be attached accordingly. (v) The noise monitoring is to be carried out from all the corners of the project site as well as from the centre of the project site and reports be attached accordingly.	submitted
13.	Quantification of energy saved and renewable energy devices used.	submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water	submitted
15.	Construction schedule (PERT/CPM Chart)	submitted
16.	Undertaking(s) for ; a) Constitution of Environment Monitoring Cell b) Use of ready mix concrete or use of fly ash	submitted

	during construction. c) To provide Fire Fighting System d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase. e) To provide adequate safety measures for the construction workers during the construction phase.	
17.	Environmental Management Plan indicating the following: a) All mitigation measures for each item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project. b) Compliance of various environmental regulations c) Steps to be taken in case of emergency such as accidents at the site including fire. d) For how long period the project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP. e) Capital & recurring cost for the EMP per year and the details of funds for the same. f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.	a) submitted b) submitted c) submitted d) Environment Management Cell structure will be responsible for implementation of EMP. e) Not submitted f) Environment Management Cell structure will be responsible for implementation of EMP.
18.	Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.	Not submitted
19.	Traffic Circulation System and connectivity with a view to ensure adequate parking, conflict free movements, Energy efficient Public Transport.	Parking spaces marked in layout but circulation plan not submitted.
20.	Disaster/Risk Assessment and Management Plan	submitted
21.	Copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.	submitted
22.	In case of expansion projects, compliance report of earlier granted environmental clearance conditions	submitted

	verified by Northern Regional Office of Ministry of Environment, Forests & Climate Change, Chandigarh.	
22.	Copy of presentation to be made before the SEAC at the time of appraisal in PDF format having size less than 25 MB.	-
23.	The process of submitting an application for obtaining environmental clearance has been made completely online and after the acceptance of environmental clearance application by SEIAA, the system generates an automated acknowledgement asking project proponent to submit hard copy of the accepted application. If project proponent is asked to submit hardcopy prior to scrutiny of environmental clearance application online by SEIAA or after its acceptance by SEIAA, then the project proponent will submit a hard copy of the environmental clearance application alongwith other documents.	submitted
24.	**For expansion projects:** i. All the columns in the application form may be got filled in three parallel columns i.e. Existing, Proposed and Total. ii. In case of increase in no. of storeys, Structural Safety/ Stability Certificate may be required from the Approved Engineer. iii. The existing building plan may be got super imposed with the proposed building plan and be marked in different colors. iv. Specify the adequacy of internal water supply system, sewer line and STP for the proposed expansion/revision.	(i) submitted (ii) The project proponent has stated it as not applicable (iii) & (iv) Not submitted
25.	The project site might be falling within a distance of 10 kms from the wildlife sanctuary and the project proponent is required to submit either documentary proof to the effect that Wildlife Sanctuary is more than 10 kms from the project site. In case, the same is within 10 kms radius then, the project proponent will file an application before the concerned DFO, Wildlife for obtaining NBWL permission and submit acknowledgement along-with copy of application submitted to concerned DFO Wildlife for obtaining permission from NBWL.	Not applicable

EE, PPCB, RO-3, Ludhiana was requested vide email dated 24.08.2016 to send the latest construction status of proposed site. Accordingly, EE, PPCB, RO-3, Ludhiana vide return email dated 31.08.2016 has reported as under:

The site was visited by the AEE of this office along with the representative of the project on 30.08.2016 and observed that as per the map of proposed project site submitted by the project proponent, there are 05 chunks of land exist within or adjoining with the existing project / colony (phase 1 & 2).During visit, the representative has shown all the site, out of 5 number proposed sites, there are 04 no. site are earmarked with boundary wall of bricks and 5th no. site is earmarked with burji / pillars, which is situated backside / adjoining to the phase 1 of the existing project. No construction activity has been started by the project proponent in the proposed site. There is no air polluting unit within 500 mtrs . As per the approved building plan of the entire project, the representative informed that there is one more chunk of land site, which is not mentioned in the proposed project site map and area of this site approximately 0.275acres. The project proponents has already installed STD of capacity 100 KLD for the treatment of waste water generated from the existing project , which was in operation . The industry has also started installation work of STP of capacity 1200KLD, which is under progress. Hence, the site is suitable. It has been further reported in the email dated 01.09.2016 that the entire project is being developed by M/s Eldeco Infrastructure Ltd. The installation work of STP of capacity 1200 KLD is being carried out near the existing STP of capacity @ 100 KLD, which is situated in the existing site. There is no construction activity is being carried out in an area of 0.275 acres site.

The case was considered by the SEAC in its 150th meeting held on 16.09.2016, which was attended by the following on behalf of project proponent:-

1. Sh. Amit Kumar, Authorized Signatory on behalf of Project Proponent
2. Sh.Aman Sharma, EIA Manager, M/s Vardaan Environet, Delhi, Environment Consultant of the promoter company.

Before allowing the project proponent to present his case, the SEAC observed that the project proponent is required to submit the following documents as mentioned in agenda note:-

a) Land Ownership title needs to be clarified as various copies of sale deeds

attached with the application are in different names.

b) Latest site photographs from all the corners of the project site.
c) Solid waste storage area not marked on the plan and compliances to be made as per MSW Rules, 2016 have not been mentioned.
d) Availability of Adequate land for disposal of treated effluent has not been proposed
e) Cost to be incurred on implementation of EMP has not been mentioned.
f) Details of CSR activities to be carried out have not been mentioned
g) Traffic circulation plan has not been submitted
h) Existing & proposed layout plans are required to be superimposed being expansion case
i) Structural safety certificate be submitted in case expansion is to be made in vertical direction
j) Adequacy of existing sewer lines & water supply pipes be submitted
k) Storm water management plan be submitted

The SEAC further observed that neither Northern Regional Office of MoEF at Chandigarh in its compliance verification report nor EE, PPCB, RO-3, Ludhiana has reported the disposal arrangements available with project proponent for treated sewage in the already existing residential colony.

After deliberations, the SEAC decided that the case be deferred till the project proponent submits the reply to the aforesaid observations & also EE, PPCB, RO-3, Ludhiana be asked to verify the disposal of treated sewage in the already existing residential colony and also clarify the following:-

i) Disposal arrangements available with project proponent for treated sewage in the already existing residential colony.

ii) Whether 0.275 acres of area is part of existing project or it is part of proposed expansion? If it is part of expansion project then report the status of construction in 0.275 acres of area.

Accordingly, the decision of SEAC has been conveyed to the project proponent vide letter No.3397 dated 26.09.2016 and to EE, PPCB, RO-III, Ludhiana vide letter no. 3398 dated 26.09.2016. The project proponent has submitted the reply to the

observation on 05.10.2016 and the same has been annexed as **Annexure-F.** Further**,** the reply is reproduced as under:-

Sr.No.	Observations raised by SEAC	Reply submitted by Project Proponent
1.	Land Ownership title needs to be clarified as various copies of sale deeds attached with the application are in different names.	Collaboration agreement of companies is attached as Annexure-1
2.	Latest site photographs from all the corners of the project site.	Latest site photographs from all the corners of the project site are attached as Annexure-2.
3.	Solid waste storage area not marked on the plan and compliances to be made as per MSW Rules, 2016 have not been mentioned.	Solid waste storage area marked on the plan alongwith compliances to be made as per MSW Rules, 2016 is attached as Annexure-3
4.	Availability of Adequate land for disposal of treated effluent has not been proposed	Details of availability of adequate land for disposal of treated effluent are attached as Annexure-4
5.	Cost to be incurred on implementation of EMP has not been mentioned.	Cost to be incurred on implementation of EMP is attached as Annexure-5
6.	Details of CSR activities to be carried out have not been mentioned	Details of CSR activities are attached as Annexure-6
7.	Traffic circulation plan has not been submitted	Traffic circulation plan is attached as Annexure-7
8.	Existing & proposed layout plans are required to be superimposed being expansion case	Plan showing existing & proposed area is attached as Annexure-8
9.	Structural safety certificate be submitted in case expansion is to be made in vertical direction	Not required as the expansion is to be made in horizontal direction
10.	Adequacy of existing sewer lines & water supply pipes be submitted	Details of same have been enclosed as Annxure-9
11.	Storm water management plan be	Storm water management plan is

	submitted	attached as Annexure-10

Further, EE, RO-II, Ludhiana vide its mail dated 03.10.2016 has submitted point wise reply of the queries as under:-

1. The project proponent has developed 09 nos. parks for the disposal of treated effluent (existing colony) in an area of 4.95 acres (under park) + additional plantation along the road side.

2. 0.275 acres area is part of the proposed expansion. The area is earmarked with boundary of brick wall. No construction activity has been started at the site.

The case is placed before SEAC for consideration.

Item No. 151.14: Application for environmental clearance under EIA notification dated 14.09.2006 for construction of a Group Housing project in pocket GH-5 & 6 of Janta Township, Sector-91, Mohali by M/s Wembley's Co-Operative House Building Society Ltd.

The facts of the case are as under:-

1. M/s Wembley's Co-Operative House Building Society Ltd. vide letter dated 21.10.2012 has applied for obtaining the Environmental Clearance under EIA notification dated 14.09.2006 for the construction of a Group Housing project in pocket GH-5 &6 of Janta Township, Sector- 91, Mohali (Punjab). The project is covered under category 8 (a) of the Schedule appended to the said notification. The details of the project as per Form-1 and 1A are as under:

   - The project "Wembley's Co-operative House Building Society Ltd." is a part of Janta Township, Sector- 90-91 project of M/s Janta Land Promoters Ltd, which has been granted environmental clearance by State level Environment Impact Assessment Authority, Punjab vide letter no. SEIAA/M.S./2011/26070-79 dated 24.6.2011.
   - The total land area of the project is 1648.60 sqm (4.07 acres) and the project proponent has proposed to construct 275 flats having total built up area of 32889.81 sq mtr.
   - The cost of the project is 69.62 crores.
   - The total design population of the residential complex is 1375 persons.
   - Total water requirement for the project will be 186 KLD, out of which 138 KLD of water will be taken from tubewell of Janta Township and remaining 48 KLD will be met from treated wastewater.
   - The total wastewater generation from the project will be 149 KLD, which will be treated in a common STP of Janta Township having a capacity of 2500 KLD. Out of the total treated wastewater, the project proponent has proposed to use 48 KLD of treated wastewater for flushing purpose, 14 KLD will be used for irrigation of green area and remaining 87 KLD will be discharged into GMADA sewer during summer season. In winter season, 48 KLD of treated wastewater will be used for flushing purpose, 5 KLD will be used for irrigation of green area and remaining 96 KLD will be discharged

into GMADA sewer. In rainy season, 48 KLD of treated wastewater will be used for flushing purpose, 1.3 KLD will be used for irrigation of green area and remaining 99.7 KLD will be discharged into GMADA sewer.

- The project proponent has proposed to provide 4 no. of rain water harvesting wells for recharging of rain water.
- The total quantity of solid waste generated from the proposed project has been estimated as 550 kg/day, which will be managed in line with the MSW Rules, 2000.
- The total load of electricity required for proposed project, will be 2700 KW which will be supplied by PSPCL. The project proponent has proposed to provide 3 no. DG sets of 40 KVA capacity each and 1 no. DG sets of 62 KVA for backup power.
- The project proponent has provision to provide parking for 527 ECS.

2. The case was considered by the SEAC in its 65th held on 07.12.2012 for screening. The Committee screened the application meticulously and noticed that the project proponent is required to submit certain information/data for appraisal of the project proposal. As such, it was decided by the SEAC to ask the project proponent to submit the reply to certain observations and to take up the case for appraisal only after submission of proper reply by the project proponent. The decision of the SEAC was conveyed to the project proponent vide letter no. 400 dated 03.01.2013.

3. The project proponent vide letter dated 05.03.2013 submitted the reply of the observations of the SEAC, the details of which are as follows:-

Sr. no	Observations raised by the Committee	Reply of the observations
1.	The project proponent has already started the construction activities of the project, which is a violation of the provisions of EIA notification dated 14.9.2006. Therefore, the project proponent is required to submit an	Submitted an undertaking to the effect that no further construction activities shall be carried out at project site till the environmental clearance under EIA notification dated 14.09.2006 is obtained. The project proponent has also

	undertaking to the effect that no further construction work will be carried till the environmental clearance under EIA notification dated 14.09.2006 is obtained.	submitted a resolution of the managing committee to the effect that the housing project is being developed in GH 5 & 6 of Janta Township, which has already obtained environmental clearance. Therefore, the promoter company was not aware of the fact that it has to obtain environmental clearance for its project being part of the Janta Township. The promoter company further informed that in the said circumstances, there is no intentional violation of environmental clearance laws and violation will not be repeated in future.
2.	The project proponent has calculated total water consumption by considering water consumption rate as 135 lpcd, but the project is located in Mohali, as such, as per the criteria fixed by SEIAA, the water consumption is required to be calculated by considering water consumption rate as 150 lpcd. Therefore, the project proponent is required to submit revised water balance.	Submitted and as per the revised water balance the total water requirement for the project will be 206 KLD, out of which 151 KLD of water will be taken from tubewell of Janta Township and remaining 55 KLD will be met from treated wastewater. ➢ The total wastewater generation from the project will be 165 KLD, which will be treated in a common STP of Janta Township having a capacity of 2500 KLD.

		Out of the total treated wastewater, the project proponent has proposed to use 55 KLD of treated wastewater for flushing purpose, 14 KLD will be used for irrigation of green area and remaining 96 KLD will be discharged into GMADA sewer during summer season. ➢ In winter season, 55 KLD of treated wastewater will be used for flushing purpose, 4.5 KLD will be used for irrigation of green area and remaining 105.5 KLD will be discharged into GMADA sewer. ➢ In rainy season, 55 KLD of treated wastewater will be used for flushing purpose, 1.3 KLD will be used for irrigation of green area and remaining 108.7 KLD will be discharged into GMADA sewer.
3.	Construction schedule (PERT/CPM Chart)	Submitted but the same is not proper.
4.	Whether the height of building tower is more than 15m or not, if yes? a) Submit the NOC of Fire Department.	a) Submitted a copy of the provisional NOC issued vide letter no. 674 dated 21.11.2012 by the

	b) At how far distance the fire station is located from the project site. c) What is minimum width of the approach road?	Asst. Divisional Fire Officer, Fire Station, S.A.S. Nagar to project proponent. b) The fire station is located at a distance of 8 km from the project site. c) The height of the building tower will be 50 m and the minimum width of the approach road will be 80 feet.
5.	Environmental Management Plan indicating the compliance of various environmental regulations.	Submitted
6.	The solid waste storage area has been partly earmarked in Park 4 and partly in Park-B, therefore, the site of the solid waste storage area is not appropriate, as such, the project proponent is required to earmark the same at appropriate location.	Submitted a layout plan showing the location of solid waste storage area in Park- B.
7.	NOC of the Airports Authority of India regarding permissible height of the building	Submitted a copy of NOC issued by the Govt. of India, Ministry of Defence vide the letter dated 20.07.2011 to the effect that the height of the building block shall not exceed 50 m above ground level

The case was again considered by the SEAC in its 69th meeting held on 18.04.2013, which was attended by the following on behalf of the project proponent

(i) Sh. Victer Singh, Secretary of the promoter company.

(ii) Sh. Sandeep Garg of M/s Eco Laboratories and Consultants, Mohali, Environmental Consultant of the project proponent

Sh. Sandeep Garg informed that about 25% of the total construction work of the project has already been completed at site. He informed that the site of the proposed project is a part of 'Janta Township' and the project proponent started the construction of the project in anticipation that 'Janta Township' has obtained the environmental clearance under EIA notification. However, as and when it came in the notice of the promoter company that as per clarification issued by the Ministry of Environment and Forests the promoter company is required to obtain environmental clearance due to the effect that the built-up area of the project is more than 20,000 sqm, the project proponent applied for obtaining environmental clearance under EIA notification.

The Committee brought in the notice of the environmental consultant of the project promoter company that a clarification from the Northern Regional Office of Ministry of Environment and Forests was sought by it to the affect to whether environmental clearance is required for the project having built-up area more than 20,000 sqm, in case, the site of such project is located in the site of the project which has already obtained the environmental clearance under EIA notification. The said office of the Ministry of Environment and Forests vide letter dated 31.03.2011 has clarified that if the built-up area of such project is more than 20,000 sqm, then the project proponent of such project is required to obtain environmental clearance. It was also brought in notice of the environmental consultant that the promoter has applied for obtaining environmental clearance on 21.10.2012 i.e much after the clarification by the Ministry of Environment and Forests, thus, the plea of the environmental consultant is not tenable as regards to start of the construction work of the project.

The Committee noted that starting of construction work of the project

without obtaining environmental clearance EIA notification dated 14.09.2006 is violation of the said EIA notification, since as per this notification the project proponent cannot carry out any construction work at site except securing of land without obtaining environmental clearance under the said notification. Therefore, this case is required to be dealt in accordance with Office Memorandum dated 12.12.2012 of the Ministry of Environment & Forests.

After detailed deliberations, the SEAC decided as under:

(i) To recommend to SEIAA to send the case to the Govt. of Punjab, Department of Science, Technology & Environment for simultaneously initiating credible action against project proponent /responsible persons /promoter company under the Environment (Protection) Act, 1986 due to start of construction activities of group housing project without obtaining Environmental Clearance under EIA notification dated 14.09.2006.

(ii) The project proponent be informed that the promoter company is required to submit the proper construction schedule (PERT/CPM chart).

The decision of SEAC as at point no. (ii) above was conveyed to the project proponent vide letter no. 20257 dated 06.05.2013.

Then, the case was considered by the SEIAA in its 47th meeting held on 15.05.2013, wherein, after detailed discussions and deliberations, the SEIAA decided as under:

(i) To send the case to the Govt. of Punjab, Department of Science, Technology & Environment for initiating action under the Environment (Protection) Act, 1986 against the project promoter/responsible persons of the promoter company for starting the construction of the project without obtaining environmental clearance under EIA notification dated 14.09.2006.

(ii) To inform the project proponent that the application for environmental clearance under EIA Notification dated 14.09.2006 will be considered only after the action is initiated by the Govt. of Punjab, Department of Science,

Technology & Environment for violating the provisions of the said notification due to start of construction work of the project without obtaining environmental clearance.

Thereafter, the case of M/s Wembley's Co- Operative House Building Society Ltd of the projects among 4 other cases were sent to the Govt. of Punjab, Department of Science, Technology & Environment for initiating action against the project proponent/responsible persons under the provisions of the Environment (Protection) Act, 1986 for starting the construction work of the project without obtaining environmental clearance from State Level Environment Impact Assessment Authority as required under the EIA notification no. 1533 (E) dated 14.9.2006.

After that, the Govt. of Punjab, Department of Science, Technology & Environment, Chandigarh vide letter no. 403790/1 dated 30.01.2015 has informed that the Govt. of India, Ministry of Environment, Forests & Climate Change, New Delhi vide notification No. S.O. 638 (E) dated 28.02.2014 has empowered the SEIAA to initiate action u/s 19 (a) of the Environment (Protection) Act, 1986 at its own wherever any of the conditions have been violated by the project proponent. The Govt. has directed the SEIAA, Punjab to initiate action at its own level for which the violations have been committed by the project proponent earlier for not obtaining environmental clearance as per above mentioned notification dated 28.02.2014.

The SEIAA, Punjab had already written to the Punjab Pollution Control Board to launch prosecution u/s 15, 16 read with section 19 of the Environment (Protection) Act, 1986 against the project proponent and its responsible persons of the following two projects as the earlier applications were delisted due to non-submission of certain documents/information and the decision were taken on the fresh application submitted by the project proponent:

1. M/s Emerging India Housing Corp (P) Ltd., (Emerging Heights-III, Vill. Santemajra, Kharar-Landran Road, Sector-115, Tehsil Kharar, Distt SAS Nagar)

2. M/s Singla Builders & Promoters Ltd (Development of Housing Project namely SBP Housing Park, Village Mouja Rouni, Tehsil Dera Bassi, District Mohali)

The action against the following projects for violation of the provisions of EIA notification dated 14.09.2006 is yet to be initiated:

1. M/s Wembley's Co- Operative House Building Society Ltd.- Group Housing project in pocket GH-5 & 6 of Janta Township, Sector-91, Mohali
2. M/s G.S. Promoters & developers (Comercial Complex namely Tricity Trade Centre).
3. M/s Janta Land Promoters Ltd (Falcon View, Sector 66-A, District Mohali).

Thereafter, the matter was considered by the SEIAA in its 80th meeting held on 28.02.2015 and after deliberations, SEIAA decided as under:

1. To take the following actions in the above mentioned three cases:
   a) To ask the project proponent to submit, within 60 days, a formal resolution passed by the Board of Directors of the Company or to the Managing Committee / CEO of the Society, Trust, partnership / individually owned concern, mentioning that violations in respect of starting construction activities without obtaining environmental clearance under EIA notification dated 14.09.2006, are un-intentional and will not be repeated in future. In the meantime, the project be delisted. In case, the project proponent fails to submit the said resolution within a period of 60 days, it will be presumed that the project proponent is no longer interested in pursuing the project further and the project file will be closed and the project proponent will have to initiate the procedure *de novo* for obtaining environmental clearance.
   b) To ask the project proponent to submit copy of Memorandum of Article Association / partnership deed / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project.
   c) To initiate credible action against project proponent(s), responsible person(s) & Promoter Company on receipt of information as at (b) above, by invoking powers u/s 19 of the Environment (Protection) Act, 1986 as delegated by Ministry of Environment & Forests vide notification No. S.O. 638 (E) dated 28.02.2014 due to start of construction activities of the project without obtaining Environmental

Clearance under EIA notification dated 14.09.2006. Punjab Pollution Control Board be written in this regard for taking necessary legal action u/s 15 of the Environment (Protection) Act,1986 for the period for which the violation has taken place.

(d) To issue directions under section 5 of the Environment (Protection) Act, 1986 as delegated by Ministry of Environment & Forests vide notification No. S.O. 637 (E) dated 28.02.2014 to restrain the promoter company from carrying out any further construction or operation activity of the project till the environmental clearance under EIA notification dated 14.09.2006 is obtained.

(e) To inform the project proponent that the application for environmental clearance under EIA Notification dated 14.09.2006 will be considered only after the compliance of decision (a) above and action is initiated for violating the provisions of the EIA notification dated 14.09.2006 due to start of construction work of the project without obtaining environmental clearance.

2. In future, in all the cases at the time of receiving environmental clearance / ToRs application, a copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project, shall be obtained and check lists of documents to be attached with the environmental clearance applications/ToRs of various projects be amended accordingly.

Accordingly, Directions u/s 5 of the Environmental (Protection) Act, 1986 were issued vide letter no 1385-86 dated 05.03.2015 to M/s Wembley's Co-Operative House Building Society Ltd. for construction of a Group Housing project in the revenue estate of the GH-5 &6, Janta Township, Sector- 91, Mohali. A copy of the above was also forwarded to the Member Secretary, Punjab Pollution Control Board in light of STE Pb Memo No. 302633/1 dated 08.09.2014 for ensuring compliance of the directions and was requested that compliance status may be reported to SEIAA.

In compliance to the letter no 1386 dated 05.03.2015, the Environmental Engineer, Regional office, Mohali vide letter no 509 dated 06.04.2015 sent the status of construction of the Project.

M/s Wembley's Co- Operative House Building Society Ltd was, requested vide letter no 1384 dated 05.03.2015 to comply with the decision taken by the SEIAA as mentioned at Para (a) & (b) above and submit the reply of the same at the earliest. The decision of SEIAA as mentioned at Para (e) above has also conveyed for information.

In compliance to the letter no 1384 dated 05.03.2015, M/s Wembley's Co- Operative House Building Society Ltd vide letter no 007 dated 25.03.2015 submitted the compliance of decision taken by the SEIAA as mentioned at Para (a) i.e & (b) above.

Thereafter, the Member Secretary, Punjab Pollution Control Board, Head Office, Patiala vide letter no 3603 dated 19.06.2015 was directed to launch prosecution u/s 15, 16 read with section 19 of the Environment (Protection) Act, 1986 against the project proponents and its responsible persons, under intimation to this office.

The Member Secretary, Punjab Pollution Control Board, Head Office, Patiala vide letter no 4296 dated 04.08.2015 requested to clarify whether prosecution is to be launched against all members of the society, if not, then specify the names of the responsible persons/members of the society against whom prosecution is to be launched by the Board.

The Member Secretary, Punjab Pollution Control Board, Head Office, Patiala has been clarified vide letter no 4433 dated 17.08.2015 that the credible action has to be initiated against all the responsible persons and the person may prove before the Court of Law that the offence was committed without his knowledge or that he exercised all due diligence to prevent the commission of such offence.

The Member Secretary, Punjab Pollution Control Board, Head Office,

Patiala vide letter no 4901 dated 07.09.2015 requested again to intimate the names of the responsible person/member of Society against whom prosecution is to be launched by the Board to enable it to file the case in the court of law.

Accordingly, copy of page no 01, 11 and 12 of the Bye Laws of the Society where in name and address of the managing committee members of the society are mentioned have been sent vide letter no 5331 dated 21.10.2015 to Member Secretary, Punjab Pollution Control Board, Head Office, Patiala, so that credible action be initiated against the project proponent and all the managing committee members and the person may prove before the Court of Law that the offence was committed without his knowledge or that he exercised all due diligence to prevent the commission of such offence.

After that, M/s Wembley's Co- Operative House Building Society Ltd sent a copy of legal notice dated 21.10.2015.

The matter was discussed by the SEIAA in its 96th meeting held on 13.11.2015 and observed that the contentions made by the project proponent in the legal notice are not in consonance with the case presented by them before the SEIAA/SEAC in various meetings. They have not presented the case before SEIAA and SEAC on the lines that the project was an on-going project started before issuance of EIA notification dated 14.09.2006 and is not covered by the provisions of the said EIA notification. Rather, the Society through its President and Secretary have submitted a copy of resolution passed in its meeting dated 07.02.2013 wherein it has been stated that earlier they had an opinion that M/s Janta Township has obtained environmental clearance for the area development project, so group housing project being part of it does not require prior environmental clearance. But as they came to know that they need to obtain environmental clearance for group housing project, they are submitting the application with SEIAA, Punjab for consideration. Hence, due to the said circumstances there is no intentional violation of any environmental law, however, they ensure that violations of the Environment (Protection) Act etc. will not be repeated.

After deliberations, the SEIAA decided that legal opinion in the matter

be taken from Law Officer of Punjab Pollution Control Board.

The Senior Law Officer, Punjab Pollution Control Board has given the following legal opinion:

" I have examined the case. Seadus Legal Services, Litigators & Corporate Consultants, Chandigarh on behalf of their client namely the Wembley's Co-operative House Building Society Ltd., Plot no. 5 & 6, Janta Township, Sector-91, District S.A.S Nagar, Mohali, Punjab has served a legal notice dated 21.10.2015 upon the Member Secretary, State Expert Appraisal Committee, Punjab on the subject matter of Environmental Clearance. Two contentions have been raised in the legal notice, which is summarized below:

a. It is mentioned in para no. 5 of the legal notice that clause 2 of notification dated 14.9.2006 makes it abundantly clear that the project or activities require prior Environmental Clearance from the concerned regulatory authority in the following conditions :

i) Before any construction work or

ii) Preparation of land by the project management except for securing the land is started on the project or activity.

By citing the above provision, the Law firm has arrived at the conclusion that only those projects or activities are covered by the above notification where in no construction work or preparation of land had been undertaken by the project management. It is further mentioned in para no. 6 of the notice that their clients in the month of March 2006, got the survey of the site done though a surveyor. Then immediately after taking possession of the land, made the necessary preparation of land as detailed above in order to construct a group housing project. Further the drawing of the Society were approved by the CTP vide no. 4861CTP(PB)/MPR-1, dated 14.8.2006. Still further, as a consequence of the same, the said notification is not applicable to our clients. It is further mentioned in para no. 11 of the notice that their clients had started preparation of land for construction of the group housing project before the issuance of the notification dated 14.9.2006. It proves beyond

doubt that our clients are not covered by the provisions of the notification dated 14.9.2006.

b. Second contention raised in the legal notice by the Law firm is that their client had taken the land from M/s Janta Land Promoters Ltd. The said company, applied for a grant of Environmental Clearance from the State level Environment Impact Assessment Authority, Punjab. Environmental Clearance was granted to them by the State level Environment Impact Assessment Authority (SEIAA for brevity) Punjab vide letter no. SEIAA/MS/2011/26070-79 dated 24.6.2011. Under the bonafide impression that since the main township had been granted Environmental Clearance by the concerned regulatory authority, our client, by way of abundant caution, vide application dated 21.10.2012, submitted Form 1/1-A for grant of Environmental Clearance under category (B), Clause 8(a).

2) Upon examination of the legal notice and the provisions of the EIA notification dated 14.9.2006 issued by the Ministry of Environment and Forests, Government of India under the provisions of Environment (Protection) Act, 1986, it is observed that the Law firm is not interpreting the provisions contained in the EIA notification dated 14.9.2006 in the right perspective. The Law firm is only reading a specific line in isolation as per its convenience, without reading the paragraph 2 of the notification dated 14.9.2006 in unison. The interpretation of paragraph 2 of the notification dated 14.9.2006 is very clear, which says that the following projects or activities shall require prior environmental clearance from the concerned regulatory authority, before any construction work, or preparation of land by the project management except for securing the land, is started on the project or activity :

i. All new projects or activities listed in the Schedule to this notification;
ii. Expansion and modernization of existing projects or activities listed in the Schedule to this notification with addition of capacity beyond the limits specified for the concerned sector, that is, projects or activities which cross the threshold limits given in the Schedule, after expansion or modernization.
iii. Any change in product - mix in an existing manufacturing unit included in Schedule beyond the specified range.

3) For further clarification of the matter, paragraph 2 of the notification dated 14.9.2006, is reproduced below for kind perusal : Requirements of prior Environmental Clearance (EC):- The following projects or activities shall require prior environmental clearance from the concerned regulatory authority, which shall hereinafter referred to be as the Central Government in the Ministry of Environment and Forests for matters falling under Category 'A' in the Schedule and at State level the State Environment Impact Assessment Authority (SEIAA) for matters falling under Category 'B' in the said Schedule, before any construction work, or preparation of land by the project management except for securing the land, is started on the project or activity :

i. All new projects or activities listed in the Schedule to this notification;

ii. Expansion and modernization of existing projects or activities listed in the Schedule to this notification with addition of capacity beyond the limits specified for the concerned sector, that is, projects or activities which cross the threshold limits given in the Schedule, after expansion or modernization.

iii. Any change in product - mix in an existing manufacturing unit included in Schedule beyond the specified range.

4) The interpretation of paragraph 2 of the notification dated 14.9.2006 as explained by the Law firm in the legal notice is wrong and is not sustainable. The project requires Environmental Clearance from the State level Environment Impact Assessment Authority under category 'B' as listed in the scheduled appended to the said notification in item no. 8 mentioned at 8 (a). It is also mentioned and admitted in the legal notice that by way of abundant caution, our client vide application dated 21.10.2012 submitted form 1/ 1-A for grant of Environmental Clearance under category (B), clause 8(a).

5) As far as second contention is concerned, upon examination of record, it is observed that M/s Janta Land Promoters Ltd. at Sector 90-91, Mohali was granted Environmental Clearance by State level Environment Impact

Assessment Authority vide letter no. SEIAA/MS/2011/26070-79 dated 24.6.2011 for the development of a residential project namely 'Janta Township' in accordance with the provisions of item 8(b) Townships & Area Development Projects of the scheduled appended to the EIA notification dated 14.9.2006. The entire project was shown to be developed into 614 plots, 10 group housing, 1 no. shopping mall, 1 no. Multiplex, 1 no. Motel, 223 shops, 3 schools, a dispensary and a community centre. The total area of the site was mentioned as 138.35 acres with total built up area as 72030.6 sqm. Wembley's Co-operative House Building Society Ltd. is one of the group housing scheme wherein 275 flats are being constructed and the total area of construction involved is 32889.81 sq.m, which is more than 20,000 sq. meter. Hence the project requires separate Environmental Clearance from the State level Environment Impact Assessment Authority as per item 8(a) i.e. Building & Construction Projects as mentioned in the schedule appended to the notification dated 14.9.2006.

6) In view of the above explained position, reply be sent to the law firm with a request to advise their client to withdraw the notice under reference. Opinion is hereby submitted without any prejudice."

The matter was considered by the SEIAA in its 104th meeting held on 12.03.2016 and observed that as confirmed by the legal opinion received from the Punjab Pollution Control Board, the decision as already taken by the SEIAA in its 80th meeting held on 28.02.2016 is in order.

After detailed discussions, the SEIAA decided to request the Punjab Pollution Control Board to initiate credible action as already written vide letter No. 3603 dated 19.06.2015 and clarified vide letter No. 4433 dated 17.08.2015 against all the responsible persons and report compliance.

Now, Environmental Engineer, PPCB, RO, Mohali vide its office endst. no. 4510 dated 08.08.2016 has informed that a complaint has been filed against the promoter company and its responsible persons u/s 15, 16 of Environmental

(Protection) Act, 1986 in the court of Judicial Magistrate Ist Class, SAS Nagar on 08.08.2016. The case has been fixed for next hearing on 15.10.2016.

The case is placed before SEAC for consideration.

Item No. 151.15: Regarding convening of joint meeting of State Level Environment Impact Assessment Authority, Punjab with Development Authorities in and around the Mohali area.

The facts of the matter are as under:-

The SEAC in its 150th meeting held on 16.09.2016 while discussing the item no.150.12, observed that in and around Mohali building construction, area development & township projects are coming up at a fast pace and various urban bodies such as GMADA, Municipal Corporation, Mohali, M.C. Kharar, M.C., Dera Bassi & M.C. Zirakpur are the development authorities for providing necessary infrastructure such as sewer, water supply, roads, street lights etc. the main thrust areas related to environment to be taken care in such type of projects are disposal of wastewater, management of solid waste, water supply, traffic management & storm water management. Though the Master Plans of individual towns and a regional Master Plan of the entire area have been prepared by Department of Town & Country Planning, however, environmental clearance for various projects is being sought by the development authorities and private project proponents individually for smaller projects. In this case also, the project proponent has individually applied for obtaining environmental clearance, however GMADA has yet not obtained the environmental clearance for the said area development project.

After deliberations, the SEAC decided that the said issue be sent to SEIAA with the recommendation that GMADA be asked to apply for obtaining environmental clearance for complete area under the Master Plan.

In the meanwhile, the SEIAA in its 115th meeting held on 23.09.2016 discussed the same matter as under:-

The SEIAA observed that in and around Mohali building construction, area development & township projects are coming up at a fast pace and various urban bodies such as GMADA, Municipal Corporation, Mohali, M.C. Kharar, M.C., Dera Bassi & M.C. Zirakpur are the development authorities for providing necessary infrastructure such as sewer, water supply, roads, street lights etc. the main thrust areas related to environment to be taken care in such type of projects are disposal

of wastewater, management of solid waste, water supply, traffic management & storm water management. Though the Master Plans of individual towns and a regional Master Plan of the entire area have been prepared by Department of Town & Country Planning, however, environmental clearance for various projects is being sought by the development authorities and private project proponents individually for smaller projects. In this regard, the matter has already been deliberated by SEIAA in its 91st meeting held on 10.09.2015, had observed that the Mohali is planning the area in piece meals and coming up with proposal of obtaining environmental clearance for area development projects proposed to be developed by GMADA in phases. Moreover, the GMADA is also allowing various private project proponents to connect their branch sewers with the main sewer line of GMADA and is assuring them of providing water supply. Furthermore, no emphasis is being laid on the issue of reuse/ utilization of treated sewage for irrigation purposes and other activities such as for construction purposes etc. As per decision taken by SEIAA, the GMADA was required to plan the entire master plan area/ local planning area as a single composite project for the purpose of providing infrastructure and basic amenities with emphasis to be laid on the use of treated wastewater for various purposes so as to reduce the ground water abstraction as well as discharge of sewage into various drains/rivers.

The matter was again deliberated by the SEIAA in its 105th meeting held on 01.04.2016 and it was decided by SEIAA that the GMADA is required to plan the entire master plan area and submit the proposal alongwith the plan regarding the reuse/ utilization of treated sewage for irrigation purposes and other activities such as for construction purposes etc.

Accordingly, GMADA vide SEIAA letter No. 2323 dated 29.04.2016 was once again requested that the necessary action in the matter be taken and action taken report be sent to SEIAA Punjab. However, no response from GMADA had been received, so far.

The matter was considered by the SEIAA in its 107th meeting held on 27.05.216. After detailed deliberations, the SEIAA decided that the matter be taken up with all the Development Authorities of the area jointly and a background note in

this regard be circulated to these authorities intimating that a meeting in the matter will be convened shortly. Member Secretary, Punjab Pollution Control Board be also invited in the meeting as special invitee.

Accordingly, the decision of SEIAA vide letter no 2547-50 dated 10.06.2016 was conveyed to the Chief Administrator, Greater Mohali Area Development Authority (GMADA), PUDA Bhawan, Sector-62, SAS Nagar,The Director,Local Govt. Punjab,SCO No. 131-132, Sector-17C,Chandigarh, the Managing Director, Punjab Water Supply & Sewerage Board, Plot No.1-B Sector 27-A Madhya Marg, Chandigarh and Member Secretary, Punjab Pollution Control Board Patiala. Also a background note was circulated to all said departments.

The matter was again considered by SEIAA in its 115th meeting held on 23.09.2016. After detailed deliberation, it was decided that matter be referred to SEAC to convene a meeting on the issue with all the concerned departments and sending recommendations to SEIAA.

The case is placed before SEAC for consideration.

Item No. 151.16: Application for environmental clearance granted under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Royale Mansions Luxury Apartments" in the revenue estate of Village- Peer Mushalla, Near Zirakpur, Distt. SAS Nagar, Mohali by M/s. Royale Mansions (Proposal no.SIA/PB/NCP/ 42563 /2016)

The facts of the case are as under:-

M/s. Royale Mansions has applied for environmental clearance under EIA notification dated 14.09.2006 for the expansion of group housing project namely "Royale Mansions Luxury Apartments" in the revenue estate of Village- Peer Mushalla, Near Zirakpur, Distt. SAS Nagar, Mohali. The project is covered under category 8 (a) of the Schedule appended to the said notification.

Earlier, the project proponent was granted Environmental Clearance vide letter no. 47502 dated 30.10.2013 for establishment of a group housing project namely "Royale Mansions Luxury Apartments" having total built up area of having built up area of 27419.418 sqm in the total plot area of 17158.686 sqm in the revenue estate of Village Peer Mushalla, near Zirakpur, Distt. S.A.S Nagar, subject to the certain conditions.

The details of the expansion project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 17,167.204 sqm (4.24 acres). The total built up area has been increased from 27,419.418 sqm (201 flats in 6 blocks (i.e. 138-4BHK, 38-3BHK, 25 EWS flats) and 3 shops) to 36,674.208 sqm (258 flats & 9 shops). Thus, the total additional built up area of the Group Housing Project is 9,254.79 sqm (57 flats. + 6 shops). The total project cost after addition is Rs. 29.72 Crores.
- After expansion, the total water requirement for the project will be 175 KL/day, out of which 117 KL/day will be met through own tubewells and remaining 58 KL/day will be met through recycling of treated wastewater.
- After expansion, the total wastewater generation from the project will be 140 KL/day, which will be treated in a STP of capacity 150 KLD based on SAFF Technology to be installed within the project premises. The project proponent has proposed to use 13 KL/day will be used for irrigation of green area

(2,341.15 sqm) and remaining waste water will be discharged into M.C. sewer in summer season. In winter season, 04 KL/day will be used for irrigation of green area and remaining waste water will be discharged into M.C. sewer. In rainy season, 01 KLD for irrigation of green area and remaining waste water will be discharged into M.C. sewer. The project proponent has also submitted that dual plumbing system has not been provided. However, treated water from STP is being used for irrigation purposes.

- After expansion, the total quantity of solid waste generation after expansion will be 520 kg/day, which will be segregated at source as biodegradable and non-biodegradable components as per the Municipal Solid Waste (Management & Handling) Rules, 2000. The biodegradable waste would be sent to the approved site. The non-biodegradable and the recyclable waste will be sold to the recyclers. The Biodegradable waste is composted by use of Mechanical composter.
- After expansion, the total load of electricity required for group housing after expansion will be 1500 KW which will be taken from the PSPCL. There is a proposal to install silent DG sets 1 x 250 KVA & 2 x 125 KVA as stand-by arrangement.
- The project proponent has proposed to provide 14 Nos. rain water harvesting pits to recharge the ground water.
- Used oil to be generated from the DG sets will be sold to authorized recyclers.

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & 1A	Yes
2.	(a) **In case(s) where land has already been purchased/acquired:** Proof of ownership of land (b) **In case where land is yet to be purchased/acquired:** Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by	Submitted, Copy of land documents including Jamabandi

	MoEF)	
3.	Copy of Master Plan of the area showing land use pattern of the proposed site/certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.	Submitted, Master Plan showing Project site. The project site falls under residential zone as per the Master Plan of Zirakpur, hence, CLU for the same is not required.
4.	Layout plan duly approved by the Competent Authority/Conceptual plan of the project.	Submitted.
5.	Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.	Submitted.
6.	Status of construction, if any, alongwith photographs from all the four sides.	Submitted
7.	500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.	Submitted. Google Earth Image Showing project site & surroundings within 500 meter.
8.	Site plan of the project showing the following i) Location of STP ; ii) Solid waste storage area. iii) Green belt iv) Parking space v) RWH and water recharge pits vi) Firefighting equipment layout vii) First aid room viii) Location of Tube wells ix) DG Sets and Transformers	i. Marked ii. Marked iii. Marked iv. Marked v. Marked vi. Marked vii. Marked viii. Marked ix. Marked
9.	Permission of Competent Authority for; **a) Water and Sewerage connection** A letter from concerned Local Body/Authority giving details about existing status of sewer connectivity and availability of water supply in the area and acceptance of Local Body for taking the quantity of sewage to be generated by the proposed	a) Submitted copy of letter issued by M.C. Zirakpur vide letter no. 808 dated 04.06.2013 to the project proponent wherein, it has been mentioned that the Council has no objection for giving sewerage connection for discharging there treated

	project and providing the water supply. Existing position of public sewer and water supply line duly marked on the lay out map/plan. b) **Collection of Solid waste**	wastewater after deposition of requisite charges. b) Submitted, the M.C. Zirakpur vide letter no. 2941 dated 29.08.2011 has issued a certificate to the project proponent to the effect that the solid waste to be generated from the project, will be taken care by MC, Zirakpur.
10.	Water balance chart for summer, rainy and winter seasons indicating critical requirements.	Submitted
11.	Availability of land for use of treated sewage and plantation.	Submitted, Green area marked on the layout plan. However, excess treated sewerage water will be discharge into MC Sewer.
12.	Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories.	Submitted
13.	Quantification of energy saved and renewable energy devices used.	Submitted
14.	Drawing showing plumbing systems for use of fresh, treated and hot water	Submitted, site plan showing sewer line & treated water used for horticulture.
15.	Construction schedule (PERT/CPM Chart)	Submitted.
16.	Undertaking(s) for ; a) Constitution of Environment Monitoring Cell b) Use of ready mix concrete or use of fly ash during construction. c) To provide Fire Fighting System d) To provide wind breaking curtains and water sprinkling system to minimize dust emissions during construction phase. e) To provide adequate safety measures for the construction workers during the construction phase.	Submitted.
17.	Environmental Management Plan indicating the following: a) All mitigation measures for each	a) Submitted

	item-wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project.	
	b) Compliance of various environmental regulations	b) Submitted
	c) Steps to be taken in case of emergency such as accidents at the site including fire.	c) Submitted
	d) For how long period the project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP.	d) Sh. Surinder Bansal (Partner) of Royale Mansions is responsible for implementation of EMP for 5 years and after that the welfare society of the project will be responsible for the same.
	e) Capital & recurring cost for the EMP per year and the details of funds for the same.	e) Rs. 76.0 lacs will be incurred for implementation of EMP on account of capital cost and Rs. 11 lacs/annum will be incurred on account of recurring charges for implementation of EMP.
	f) Name of the individual persons / organization, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.	f) The association of Residents or MC whosoever takes over the project will be responsible for implementation of EMP.
18.	Corporate Social Responsibility indicating various activities to be undertaken, provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same.	Sh. Surinder Bansal (Partner) of Royale Mansions is responsible for implementation of the CSR. Rs. 27.0 lacs will be utilized for following activities under Corporate Social Responsibility : i. Rs. 4.0 lacs will be spent to Organize Health camps i.e. eye check up and dental check up camps.

		ii. Rs. 6.0 lacs will be spent for providing scholarships to class X and XII students for higher education. iii. Rs. 7.0 lac will be spent to provide solar lights on the Village Rasta, helping Village Panchayat in community development programmes iv. Rs. 10.0 lac will be spent to Provide infrastructure i.e. X-ray machine and ambulance etc.
19.	Traffic Circulation System and connectivity with a view to ensuring adequate parking, conflict free movements, Energy efficient Public Transport.	Submitted
20.	Disaster/Risk Assessment and Management Plan	Submitted
21.	A copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project	Submitted

A team of Prof. P Thareja & Dr. V.K Singhal (SEAC members) have been constituted and requested vide mail dated 17/03/2016 to visit the project site to verify the compliance of existing project & construction status with regard to expansion component of the project.

The project site was visited by Prof. P Thareja & Dr. V.K Singhal, Member (SEAC) on 23.03.2016 and the visit report received vide email dated 29.03.2016, was attached as Annexure of the agenda**.**

The case was considered by the SEAC in its 144th meeting held on 19.04.2016, which was attended by the following on behalf of project proponent:

(i) Sh. Surinder Bansal, Partner of the promoter company.

(ii) Sh. Sandeep Garg, Environmental Consultant, M/s Eco Labs, Mohali, on behalf of the promoter company.

The visiting SEAC members categorically informed that no construction activity has been carried out for the expansion part of the project and expansion is to be done within the proposed project premises. The SEAC asked the visiting members regarding the compliance status of condition of already granted Environmental Clearance. The visiting member apprised the SEAC that project proponent is complying with the conditions of Environmental Clearance already granted as applicable at this stage.

The SEAC observed that the project proponent has obtained environmental clearance for expansion of the project to increase no. of flats from 201 to 258. However, the Northern Regional office of MoEF, Chandigarh in its compliance report as well as the visiting SEAC members in their visiting report stated that 258 flats have already been constructed at site. As such, it seems to be case of violation of EIA notification 14.09.2006. To this observation of SEAC the project proponent submitted that they had constructed 258 flats even prior to submission of application for obtaining Environmental Clearance for 201 flats but they applied for Environmental Clearance for 201 flats as the building plan was approved for 201 flats only at that time and as per the policy of SEIAA at that time, approved building plan was the pre requisite for obtaining Environmental Clearance. So far as violation of EIA notification is concerned, credible action has already been initiated against them.

The SEAC asked the project proponent to prove his contention that 258 flats were constructed prior to filling of application for obtaining Environmental Clearance for 201 flats as these facts are not available in the record with SEIAA/SEAC. To this observation of SEAC, the project proponent submitted that the photograph submitted by him with the application (for 201 flats) may be glanced which shows all the nine storey of all the blocks had already been completed. The visiting members of SEAC also confirmed that the entire construction at site is very old and the possession of flats had already been given. No new construction activity was going on at site and the project is in operational state. The SEAC observed that, as such, it is not a case of expansion project, but it is a case of modification in the

Environmental Clearance granted to the existing project whereas, the application has been filed for expansion of the existing project.

After discussion, SEAC decided to recommend to SEIAA for rejection of the application and to direct the project proponent to submit a fresh application for modification of Environmental Clearance already granted for 201 flats and project proponent should also submit a copy of the approved building plan for 258 flats with the application as the project has already been completed and the conceptual plan will not be suffice at this stage.

The case was considered by the SEIAA in its 107th meeting held on 27.05.2016, which was attended by the following on behalf of the promoter company:

1. Sh. Surinder Bansal, Partner of the promoter company.
2. Sh. Sandeep Garg, Environmental Consultant, M/s Eco Labs, Mohali, on behalf of the promoter company.

Sh. Sandeep Garg of Environmental Consultant of the promoter company requested for rejection of the application with a direction to the project proponent to submit a fresh application (for 258 flats) for modification of Environmental Clearance already granted for 201 flats.

The SEIAA observed that this seems to be a case of continued violation as expansion of project from 201 flats for which Environmental Clearance was granted earlier, to 258 flats has already been carried out. In reply to this observation, the project proponent submitted that they had already constructed 258 flats even prior to submission of application for obtaining Environmental Clearance for 201 flats. But, Environmental Clearance was obtained for 201 flats because they had the building plan approved for 201 flats at that time and as per the then prevalence policy of SEIAA, approved building plan was pre requisite for obtaining Environmental Clearance. So far as violation of EIA notification is concerned, credible action has already been initiated against them.

The SEIAA observed that the project proponent has not disclosed these facts regarding the construction of 258 flats while obtaining the Environment Clearance for 201 flats. The only proof of photograph attached with the earlier

Environmental Clearance application which had been relied upon by the SEAC while sending recommendation to SEIAA, does not seems to be sufficient.

After deliberations, the SEIAA decided to remand back the case to SEAC for review by considering all the material facts available on the record if any, other than photographs to ascertain as to whether construction of 258 flats had been completed prior to obtaining Environmental Clearance for 201 flats. The SEAC shall also clearly mention the provisions of EIA notification, 2006 under which the project proponent can be allowed to file an application for modification in the Environmental Clearance for the construction done prior to obtaining Environmental Clearance wherein actual status/ true material facts were not represented by the project proponent.

The case was considered by the SEAC in its 147th meeting held on 30.06.2016, which was attended by the following on behalf of project proponent:

(i) Sh. Surinder Bansal, Partner of the promoter company.

(ii) Sh. Sandeep Garg, Environmental Consultant, M/s Eco Labs, Mohali, on behalf of the promoter company

The SEAC asked the project proponent to submit documentary evidence regarding construction of 258 flats prior to the submission of the application for obtaining environmental clearance for 201 flats. The project proponent submitted that at present they are not having any additional documentary evidence to prove that 258 flats had been constructed before submission of application for 201 flats and sought more time to submit the same.

After detailed deliberations, the SEAC decided to defer the case and to ask the project proponent to submit the documentary evidence to prove that 258 flats had been constructed before submission of application for obtaining environmental clearance for 201 flats, so that further action in the matter could be taken accordingly.

Accordingly, the decision of the SEAC has been conveyed to the project proponent vide letter no. 2893 dated 13.07.2016. The project proponent has submitted the reply to the observation on 14.07.2016, which was annexed as annexure with the agenda.

The case was considered by the SEAC in its 148th meeting held on 19.07.2016, which was attended by the following on behalf of project proponent:

(i) Sh. Surinder Bansal, Partner of the promoter company.

(ii) Sh. Sandeep Garg, Environmental Consultant, M/s Eco Labs, Mohali, on behalf of the promoter company

The project proponent told the SEAC that the letter no.898 dated 06.03.2013 issued by Municipal Council, Zirakpur states that 258 flats had already been constructed against the approval of 201 flats in the building plan. The EO, MC Zirakpur vide said letter has directed the promoter company to apply for approval of revised building plan for 258 flats and to deposit the requisite compounding fees. The SEAC observed that the letter is a photocopy and the project proponent is required to submit the original copy of the letter in order to get its authenticity verified. To this observation, the project proponent produced the original copy of the letter issued by MC, Zirakpur and the same was seen by the SEAC.

After deliberations, the SEAC decided that AEE (SEAC) shall verify the authenticity of letter no.898 dated 06.03.2013 issued by Municipal Council, Zirakpur by visiting the office of Municipal Council, Zirakpur and submit his report within ten days. Accordingly, the case was deferred to be placed in the next meeting of SEAC alongwith report of AEE (SEAC).

The report of AEE (SEAC) was annexed as annexure with the agenda.

The case was considered by SEAC in its 149th meeting held on 29.08.2016, which was attended by the following on behalf of project proponent:

(i) Sh. Ashok Kumar, Partner of the promoter company.

(ii) Sh. Sandeep Garg, Environmental Consultant, M/s Eco Labs, Mohali, on behalf of the promoter company

When called at his turn, the project proponent did not turn up, accordingly, the item was passed on. Later on the project proponent requested that he could not turn up at time as his consultant was not available at that time. The SEAC observed that from perusal of visit report, the visiting officer was required to verify two letter numbers bearing dispatch number 898 dated 06.03.2013 & 808 dated 04.06.2013 from the dispatch register as well as from the office copy of the record file. However, the visiting officer could verify only one letter bearing dispatch

number 898 dated 06.03.2013 assigned to Royal Mansion in dispatch register of MC Zirakpur & that too from dispatch register only. The verification of both the letters from office copy of record file as well as verification of letter number 808 dated 04.06.2013 from dispatch register could not be done by the visiting officer due to non availability of staff handling the record in the office of MC, Zirakpur.

After deliberations, the SEAC decided that AEE (SEAC) will revisit the MC office to verify the office copy of the letter number 898 dated 06.03.2013, letter number 808 dated 04.06.2013 from the official record file and also verify the dispatch number 808 dated 04.06.2013 from the dispatch register maintained by Municipal Council, Zirakpur and submit his report within ten days. The case will then be again considered in the next meeting of SEAC.

The report of AEE (SEAC) has been annexed as **Annexure-G** with the agenda.

The case is placed before SEAC for consideration.

Item No.151.17: Application for issuance of TOR under EIA notification dated 14.09.2006 for establishment of Educational Institutional Complex i.e. Expansion of the Existing Institute at Village Sarmastpur, Jalandhar- Pathankot Highway, Jalandhar developed by M/s DAV College Trust & Management Society, New Delhi (Proposal no SIA/PB/NCP/17259/2016)

The facts of the case are as under:-

Earlier, M/s DAV College Trust & Management Society, New Delhi had applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for establishment of Educational Institutional Complex "Expansion of the Existing Institute " at Village Sarmastpur, Jalandhar- Pathankot Highway, Jalandhar i.e. having total plot area of the project as 2, 19,580.70 sqm in which the construction will be made having total built up area of 2, 19,359.922 sqm. The case was placed in SEAC in its 126th meeting held on 21.08.2015 wherein the project proponent requested to grant the environmental clearance after excluding the khasra nos. 193 and 432, which was taken on record. The project proponent further submitted that they have applied to the Forest Department for obtaining necessary permission for using forest land as approach to the project under (Forest Conservation) Act, 1980.

The SEAC while acceding to the request of the project proponent for deferment of the case observed that the project proponent is also required to submit NOC from concerned DFO or copy of acknowledgement along with copy of complete application submitted online to DFO for obtaining forest clearance under Forest (Conservation) Act, 1980. The observations were conveyed to the project proponent vide letter number 2713 dated 28.06.2016.

Thereafter, the case was considered by the SEAC in its 145th meeting held on 11.05.2016 wherein the project proponent submitted written request for withdrawal of its existing application which was applied for grant of Environmental clearance. The contents of request letter are as under:

1. The University had applied for obtaining Environmental clearance in which the proposed built up area was approx. 2, 21,000 sqm.
2. Due to changes in the Planning of the University, the total built up area would be approx. 1, 68,000 sqm, out of which, construction has

been done on apx. 99,000 sqm and remaining area is purely undisputed area. Thus, they want to withdraw the previous application, and want to apply a fresh at the earliest for obtaining the Environmental clearance.

After deliberation the SEAC decided to recommend to SEIAA to allow the project proponent to withdraw his present application.

Thereafter, the case was considered by the SEIAA in its 108th meeting held on 03.06.2016 wherein, the SEIAA decided to accept the recommendations of SEAC and allowed the project proponent to withdraw its existing application for obtaining environmental clearance under EIA notification, 2006 for developing DAV University in the revenue estate of village Sarmastpur, Jalandha-Pathankot Highway, Jalandhar subject to a special condition that the project proponent shall submit revised Environmental Clearance application online.

Now, the project proponent has filed fresh application for issuance of TOR under EIA notification, 2006. The project is covered under category 8 (b) of the Schedule appended to the said notification. The details of the project as given in Form 1 and 1A and other documents are as under:

- The total land area of the project is 219,582.43 sqm and the total built up area will be 153541.036 sqm after expansion i.e. {86360.86 sqm (existing) + 67180.176 sqm (proposed)}. The total cost of the project is 140.05 crores.
- The project comprises of Academic Block, Administration Block, Administration Block-01, Administration Block-02, Auditorium Block, Girl's Hostel & Boy's Hostel and total population will be 9000 persons including visitors. The expansion is to be done in auditorium block, girl's hostel & boy's hostel.
- The institute has been granted permission for change of land use for an area measuring 54.26 acres in Village Sarmastpur, Sub-Tehsil Kartarpur, District Jalandhar vide memo no. 5363 dated 14.07.2010 by the CTP, Punjab.
- This piece of land is just 3 K.M. away from the Municipal limit on Jalandhar-Pathankot Road As per Master Plan & Zoning Position of this land, the land can be used for establishing educational institutes.
- Adequate parking provision (600 ECS - open, stilt, basement) will be kept for

parking of vehicle but the parking required is 322 ECS as mentioned in form-1

- The total water requirement for the project will be 800 KL/day including total fresh water requirement of 400 KLD which will be met through borewell.
- The total wastewater generation from the project is 420 KLD.
- The total quantity of solid waste to be generated from the proposed project has been estimated as 1500 Kg/Day.
- Total power requirement for the project will be 2000 KW which will be provided by PSPCL.
- The project proponent has submitted the proposed Terms of Reference (TORs).

The details of the documents submitted with the application are as under:

1.	Properly filled Form 1 & pre-feasibility report	Yes
2.	Proof of ownership of land	Already having existing land to accommodate the expansion part.
3.	CLU status	submitted
4.	Memorandum of Articles & Association and Names of person responsible for day to day affairs of the project.	Submitted the society registration document
5.	List of accredited EIA consultant organization with accredited sector of NABET	Submitted

The case is placed before SEAC for consideration.

Item No.151.18 Application for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (sand) from River bed in the revenue estate of Village- Arazi Darya Bramad Bela Tajowal, Tehsil- Balachaur, District- SBS Nagar, Punjab of General Manager cum Mining Officer, District Industries Centre, SBS Nagar. (Proposal no. SIA/PB/MIN/5012/2015).

The facts of the case are as under:-

The General Manager cum Mining Officer, District Industries Centre, SBS Nagar vide application no. SIA/PB/MIN/5012/2015 dated 14.04.2016 submitted online, has applied for obtaining environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals(sand) from river bed in the revenue estate of Village- Arazi Darya Bramad Bela Tajowal, Tehsil- Balachaur, District- SBS Nagar. The project is covered under category 1 (a) of the Schedule appended to the said notification.The details of the project are as under:

1. About 205500 Tonnes Annually of mining of minor minerals(Sand) will be carried out in an area 38.935 Ha in the revenue estate of Village- Arazi Darya Bramad Bela Tajowal, Tehsil- Balachaur, District- SBS Nagar in H.B. no. 421, and details of khasra nos is as under:-

   Murba No. -18, 19, 20, 40, 41, 42, 44, 48, 49; Killa No.-11, 20, 21, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 12/1, 12/2, 13, 14/1, 14/2, 16, 17, 18/8/2, 19, 23, 24, 25, 6/1, 6/2, 13/2, 13/3, 14, 15/1, 15/2, 16, 17, 18/1, 18/2, 19/1, 19/2, 21, 22, 23, 24/1, 24/2, 25/1, 25/2, 1, 2, 3/1, 3/2, 4, 5, 6, 7, 8, 9, 10/2, 11/2, 11/2, 12/1, 12/2, 13, 14, 15, 16, 17/1, 17/2, 18, 19, 20/2, 21, 22, 23, 24, 25, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 1, 1, 2, 3, 4, 5, ½, 2, 3/2, 4, 5, 6, 7, 8, 9, 12, 13, 14, 15

2. NOC has been issued by the Department of Forest & Wildlife, SBS Nagar vide letter no. 239 dated 10/04/2015 to the effect that the above said khasra nos are not under the control of Department of forest & Wildlife, SBS Nagar. Further, there is a Government Reserve Forest adjoining to the said mining site and demarcation is required.

3. The project proponent has submitted the following documents alongwith Form–I:

(i) Pre- feasibility report

(ii) Land Documents

(iii) 10 K.M. radius Topographic Map of Proposed Project.

(iv) 1 Km google map showing the sand mining site.

(v) Location Plan on Latha Map.

(vi) Haul Road Map

(vii) Contour Map

(viii) DFO Letter

(ix) Site Photographs

(x) Undertaking

(xi) Consent of Farmer

(xii) Commissioner Certificate for land excavation

The case was considered by the SEAC in its 145th meeting held on 11.05.2016, which was attended by Sh. Gurdev Singh Mahal, General Manager cum Mining officer, District SBS Nagar.

The SEAC observed that District Survey Report of SBS Nagar has not been submitted yet. On enquiry, the General Manager, DIC informed that Distt. Survey Report is still under preparation & will be ready within a week. Accordingly, the GMDIC was told that case can be considered only on submission of the Distt. Survey Report.

After detailed deliberation the SEAC decided to defer the case till the project proponent submits the reply to the aforesaid observation. Accordingly, the observations of the same were conveyed to the project proponent vide letter No. 2414 dated 24.05.2016. But the project proponent has not submitted any reply to the observations raised by the SEAC, as yet.

As per provisions of OM dated 30.10.2012, in case of projects pending between 3 to 6 months of EAC meeting for want of information, reminder may be sent seeking information within a month. If the information not received within this period, the project may be delisted. Therefore, the project proponent was agin

requested vide letter No. 3229 dated 26.08.2016 to submit the District Survey Report.

Now, the project proponent has submitted Draft DSR online and the same has been annexed as **Annexure-H** with the agenda.

The case is placed before SEAC for consideration.

ELDECO

To,

Date 10/04/2016

The Secretary,
State Expert Appraisal Committee (SEAC),
Punjab Pollution Control Board,
Nabha Road, Patiala, Punjab

Sub: **Request for Environmental Clearance (EC) for Expansion of 'Estate One' Residential Colony at Village- Rajpura, Hussainpura and Bhatian, District-Ludhiana being developed by M/s Eldeco Infrastructure & Properties Ltd.**

Ref: **Minutes of 150th meeting of SEAC held on 16.09.2016**

Dear Sir,

As per 150th meeting of SEAC, the point wise reply of the observations is as below:-

S No.	Observation	Reply
1.	Land ownership title needs to be clarified as various copies of sale deeds attached with the application are in different names.	Collaboration Agreement of companies is attached as **Annexure-1**.
2.	Latest site photographs from all the corners of the project site.	Latest site photographs from all the corners of the project site are attached as **Annexure-2**.
3.	Solid waste storage area not marked on the plan and compliances to be made as per MSW Rules, 2016 have not been mentioned.	Solid waste area marked on plan along with compliances to be made as per MSW Rules, 2016 is attached as **Annexure-3**.
4.	Availability of Adequate land for disposal of treated effluent has not been proposed.	Details of availability of adequate land for disposal of treated effluent are attached as **Annexure-4**.
5.	Cost to be incurred on implementation of EMP has not been mentioned.	Cost to be incurred on implementation of EMP is attached as **Annexure-5**.
6.	Details of CSR activities to be carried out have not been mentioned.	Details of CSR activities are attached as **Annexure-6**.
7.	Traffic circulation plan has not been submitted.	Traffic circulation plan is attached as **Annexure-7**.
8.	Existing & proposed layout plans are required to be superimposed being expansion case.	Plan showing existing and proposed area is attached as **Annexure-8**.

Eldeco Infrastructure & Properties Ltd. New Delhi

Eldeco Infrastructure & Properties Ltd.

Corp. Off. & Communication Add.: 201-212, 2nd Floor, Splendor Forum, Jasola District Centre, New Delhi-110025
Tel.: 011-40655000, 40655100, 46503900 **Fax:** 40655111 **E-mail:** contact@eldecoproperties.com **Website:** www.eldecogroup.com
Regd. Office : S-16, Second Floor, Eldeco Station 1, Sector-12, Faridabad, Haryana-121007 **CIN :** U74899HR2000PLC043893

9.	Structural safety certificate be submitted in case expansion is to be made in vertical direction.	Not required as expansion is to be made in horizontal direction.
10.	Adequacy of existing sewer lines & water supply pipes be submitted.	Details of same have been enclosed as **Annexure-9**.
11.	Storm water management plan be submitted.	Storm water management plan is attached as **Annexure-10**.

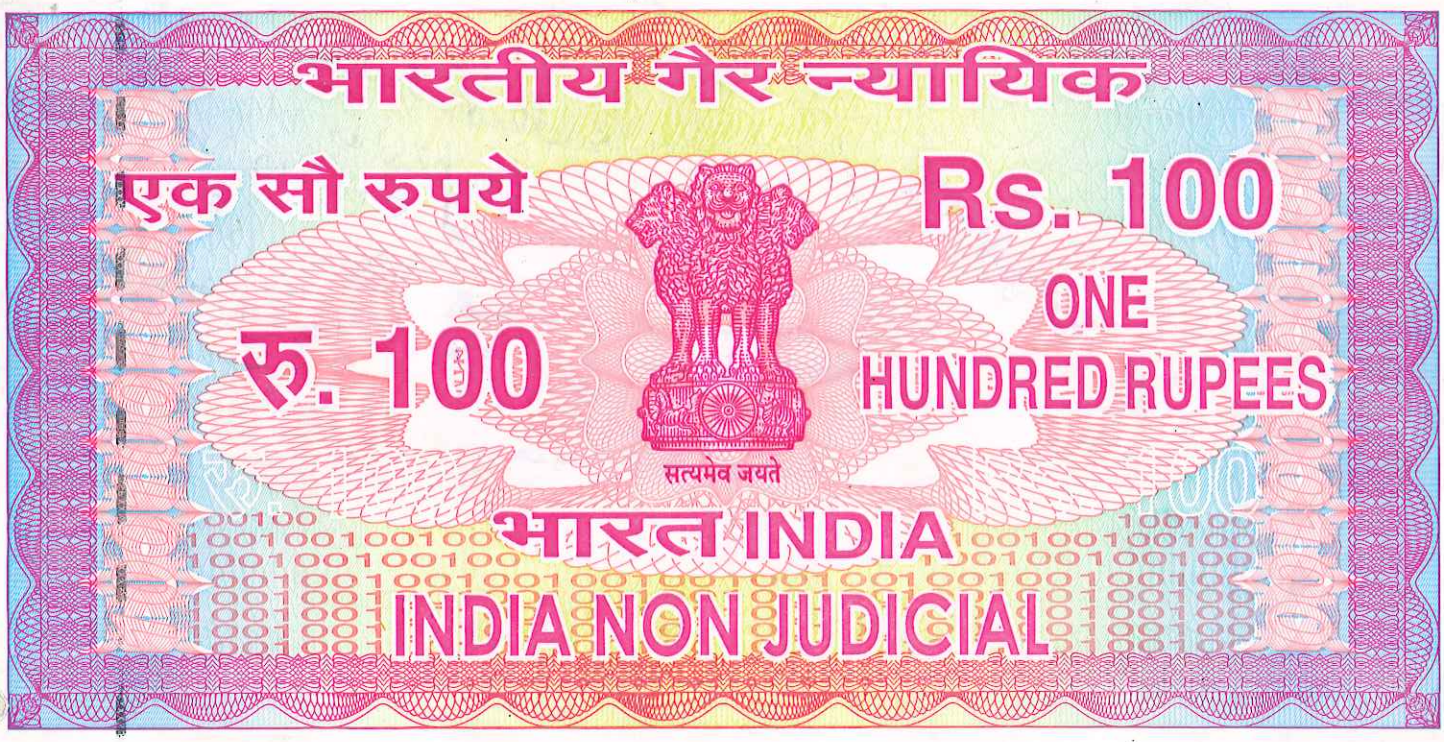
We hope that above informations will fulfill your requirements. Kindly consider our case in the next SEAC meeting for recommendation of grant of environment clearance.

Thanking You,
Yours faithfully,
For **Eldeco Infrastructure & Properties Ltd.**

Eldeco Infrastructure & Properties Ltd. New Delhi

(Authorized Signatory)

Encl: As above



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COLLABORATION AGREEMENT

THIS COLLABORATION AGREEMENT is made and executed at New Delhi on the 27th day of JUNE 2008.

BETWEEN

M/S Eldeco Infrastructure & Properties Ltd. a company incorporated under the Companies Act 1956, having its registered office at SU-12,13, Bhikaiji Cama Bhawan, Bhikaji Cama Place, New Delhi – 110 066 through its authorized Signatory / ~~Director~~ Rishi Kapoor (hereinafter referred to as the **"DEVELOPER"**) of First Part.

AND

For Mansarover Realtors Ltd
Director/Auth Sign

For Shri Ajitnath Buildcon Limited
Director/Auth.Sign

Rkapoor
RK

(i) **M/S Shri Ajitnath Buildcon Ltd.** a company incorporated under the Companies Act 1956, having its registered office at SF-4, Bhikaiji Cama Bhawan, Bhikaiji Cama Place, New Delhi – 110 066, through its ~~Authorized Signatory~~ / Director Rishi Kapoor

For Shri Ajitnath Buildcon Ltd

(ii) **M/S Mansarover Realtors Ltd.** a company incorporated under the Companies Act 1956 and having its registered office at SF-7, Bhikaiji Cama Bhawan, Bhikaiji Cama Place, New Delhi – 110 066, through its ~~Authorized Signatory~~ / Director Mr. Ajay Mehra (hereinafter collectively referred to as the **"OWNERS"**) of Other Part.

Director/Auth Sign

For Mansarover Realtors Ltd

Director/Auth Sign

The expression DEVELOPER and OWNERS shall, unless excluded by or repugnant to the context or the meaning thereof, be deemed to include their respective successors-in-interest, nominees, assigns, legal and authorized representatives.

WHEREAS

A. The Developer is engaged in the business of Real Estate Development and has all the relevant infrastructure, manpower and technical expertise and has executed several housing and commercial projects at various places.

B. The Owners has represented individually & jointly to the Developer that they have collectively purchased **18.1 Acres** of land in Villages Rajpura, Bhattian & Hussainpura Tehsil and District Ludhiana, Punjab as per the **Schedule of Property** annexed herewith and mentioned as Annexure-1 (hereinafter referred to as the **"Said Land"**), and desire that the Developer shall develop the Said Land for developing a residential plotted colony thereon which is also adjoining to the **59.89 acres** of land owned by the developer, hereinafter referred to as the **"Said Project"**.

C. The Owners has represented that they have clear right, title and interest on the Said Land, which is free from encumbrances, charges, lien, attachment, lis-pendence etc.

D. The Owners have approached the Developer and agreed to contribute their Said Land and have requested the Developer to enter into a Collaboration Agreement to develop a residential plotted colony on the Said Land.

Kapoor

For Mansarover Realtors Ltd

AM

Director/Auth Sign

For Shri Ajitnath Buildcon Limited

RK Kapoor

Director/Auth Sign.

E. The Developer has agreed to enter into the Collaboration Agreement in respect thereof on the terms and conditions mentioned herein.

NOW, THEREFORE, THIS COLLABORATION AGREEMENT AS MUTUALLY AGREED WITNESSETH AS UNDER:

1. The Owners shall hand over possession of the Said Land and the original title deeds thereof to the Developer upon signing of this agreement for the purpose of applying for transfer of license in their name and for developing the Project Land.

2. On receiving possession of the Said Land, it will be incumbent upon the Developer to enter upon the Said Land for taking up the development activity so as to complete the development by carving out the plots, earmarking areas for community buildings, commercial spaces, group housing, parks etc., (herein **"Project"**).. Further, the Owners shall execute a registered Power of Attorney and/or Board's Resolution in favour of the Developer and/or their nominee, inter-alia, incorporating therein, the powers including but not limited to:-

   i) Obtaining approvals / permissions / liaison and dealing with the concerned authority(s) for the implementation of the objects of this Collaboration Agreement.
   ii) Conduct advertisement for launching / promotion of Project,
   iii) Booking of the saleable areas of Project either by itself or through its brokers, issue letter of allotment and execute Buyer's Agreement with the prospective buyers, dealing with books, financial instruments etc.
   iv) Appoint architects, consultants, advisors, contractors, brokers, counsels and alike.

   The said attorney(s) shall also contain the right to sub-delegate all or any of the powers. The Power of Attorney will also include the right to initiate /defend legal cases for the protection of the titles and the possession of the Said Land. However, in case it is found necessary that certain application(s), letter(s) or document(s) and allied matter(s) is / are to be signed and executed by Owners for obtaining any requisite approval, the same shall also be signed by Owners without delay.

For Mansarover Realtors

Director/Auth Sign

For Shri Ajitnath Builders Limited

Director/Auth.Sign.

3. The Owners authorize Developer to file & submit Revised Layout Plan, Demarcation, Zoning & other applicable plans from time to time from the concerned authority in consonance with the rules and regulations as laid down in the relevant Act in this regard.
3. The Developer shall launch the Project for sale on grant of sanctions and approvals of the Project from the authority concerned.

4. It is agreed by and between the parties that as a consideration for contributing the Said Land by the Owners, the Developer shall pay a sum of Rs. 10,000/- per annum per acre to each of the Owners as per this agreement.

5. That the list of residential plots (hereinafter referred to as the **"Said Plots"**) falling to the share of the Owners shall be provided to the Owners. The Developer shall apprise the Owners regarding the progress of development of the said Project. The Owners hereby agrees to pay the proportionate brokerage charges wherever applicable for the sale of its share of the plots. After adjustments of the expenses as aforesaid, the Developer shall immediately transfer the balance amount to the Owners.

6. That the Owners shall authorize the Developer through the aforesaid Power of Attorney to execute, sign and present for registration before proper registering authority, proper sale /conveyance deed for conveying the right, interests, and titles in the Said Plots or any part thereof, in favour of the intending purchaser (s) and for the purpose of conveying the same absolutely and forever in favour of the intending purchaser or his / her nominee(s), to do all acts, deeds and things which are necessary for the purpose i.e. to receive the consideration thereof and to admit the receipt thereof, and to deliver the possession thereof in its own name, to the said purchaser or to his or her nominee(s) either physical or constructive, as may be feasible. The Developer shall exercise these powers after making proportionate payment to the Owners against its share. The Owners hereby irrevocably consents to the Developer for exercising these powers in respect of Said Plots and will only be entitled to the proportionate consideration received by it from the Developer from time to time.

7. It is specifically agreed by and between the parties that Developer alone shall be responsible and liable for any damages to development of the plot(s) and any other mishaps during

For Mansarover Realtors Ltd.
Director/Auth Sign

For Shri Ajitnath Builders Limited
Director/Auth.Sign.

RK

development including injuries, if any, to workmen. The Owners shall be kept indemnified against any such loss (es) arising out of such mishaps /accidents. Further, it is expressly agreed by Developer that it shall always keep Owners indemnified against any loss (es) or damage (s) that may be caused to Owners on account of legal proceedings, litigations of prospective buyer(s) of the plot(s) and ancillary work of Project if such legal proceedings arise out of any breach /default of Developer's contractual obligations with such buyer(s) of the plot(s) in Project.

8. That the developer shall be entitled to engage architects, engineers, consultants and workmen for planning and completion of the Project and all their emoluments, fees, charges shall be borne and paid by it. Developer shall be responsible for observance/compliance of all the rules and regulations governing employment of such workmen and payment of their wages or other dues. Owners shall be kept indemnified in this regard.

9. The Developer in due course of time shall apply for transfer of License/s in favour of the Owners in proportionate to area(s) owned by them. The Owners, authorizes the Developer to file all kinds of application, affidavits, undertakings etc as may be required for the purpose of transfer of License in their name.

10. The Developer undertakes to develop the Said Land at its own cost, expenses and resources. The physical possession of the Said Land shall always remain with the Developer and in the event of any dispute arising with any party relating to title, possession and/or tenancies pertaining to the Said Lands in question including any dispute inter-se Land Owners, the same shall be settled by the Developer at its own costs, risks & responsibilities.

11. That the Owners for any reasons whatsoever, shall not disturb the possession of the Land once delivered /handed over to the Developer for the purpose aforementioned.

12. That the Maintenance and management of the Project shall be done either by the Developer or by a reputed agency appointed by the Developer that would be engaged for maintenance of the Project. Separate Maintenance Agreements shall be entered between the prospective buyers of each saleable unit with the Maintenance Agency. Maintenance charges would be payable by such buyer of the sold units of the Project as would be demanded by the Developer or by the nominated Maintenance Agency.

For Mansarover Realtors Ltd

For Shri Ajitnath Buildcon Limited

Director/Auth Sign

Director/Auth Sign

13. The Developer shall be entitled to establish terms of allotment / sale of the properties to be constructed on the Said Land and to enter into any Agreement to Sell / Flat Buyer's Agreements or any other such agreement, understanding etc. with prospective buyer(s) for sale/transfer of the same together with the proportionate interest and undivided share in the land underneath the Project.

14. The Developer shall be entitled to raise funds for the Project and to create lien, mortgage or charge on the Said Land, and the Owners hereby grants their respective no objections to the Developer for raising the loans for the projects and further assures the Developer to provide any other or further assistance/support in terms of providing all documents, declaration etc. including signing & execution of various documents with said Banks/FI's, as may be required by the financial institutions/banks.

15. That this Agreement merges and supersedes all prior discussions and correspondence between the parties and contains the entire agreement between them. No changes, modification or alteration to this Agreement shall be done without the written consent of the parties hereto.

16. That the parties hereto shall not assign, transfer, charge or encumber in any manner this Agreement or its /their rights and benefits under this Agreement to any person without the prior written consent of the other party.

17. That the parties hereto have agreed and undertaken to perform their part of Agreement with due diligence and mutual co-operation keeping in view the interest of each other and execute and to do all other acts, deeds, matters and things whatsoever as may be necessary for implementing or giving effect to terms of this Agreement.

18. That in pursuance of the due performance of the obligations and parties hereto duly performing and observing all covenants herein contained this Agreement shall not be revoked or cancelled, and shall be binding on both the parties and their successors, administrators, legal heirs, executors, liquidators and assigns etc.

For Shri Ajitnath Build[illegible]

Director/Auth Sign.

For Mansarover Realtors Ltd.

Director/Auth Sign

19. That this Agreement is not and shall not, however, be deemed to be construed as a partnership between the parties hereto nor will the same be ever deemed to constitute one as the agent of the other.

20. That if any provision of this Agreement shall be determined to be void or unenforceable under any applicable law, such provision shall be deemed to be amended or deleted in so far as reasonably inconsistent with the purpose of this Agreement and to the extent necessary to conform to applicable law and remaining provisions of this Agreement shall remain valid and enforceable.

21. That once the development work of the Said Land has been undertaken by the Developer this Collaboration Agreement shall not be cancelled by the Owners unless mutually agreed by both the parties.

22. Neither party shall be deemed to have waived any right under this Agreement, unless such party shall have delivered to the other party a written waiver signed by that party or by a duly authorized person. Delay on omission in the exercise of any right or remedy shall not be construed to be waiver of any default or acquiescence therein or of the right thereafter to enforce such right or remedy.

23. Any dispute or difference whatsoever arising between the parties out of or relating to the construction, meaning, scope, operation or effect of the agreement or the validity of the breach thereof shall be referred for Arbitration in accordance with the Arbitration & Conciliation Act of 1996 or any statutory modifications or re-enactment thereof for the time being in force. The decision / award of the arbitrator shall be binding on both the parties.

24. Subject to Clause no. 23, the Courts in Delhi alone shall have the exclusive jurisdiction in respect of all matters or disputes or differences arising out of the Agreement.

IN WITNESS WHEREOF the parties hereto have set and subscribed their respective hands on this Collaboration Agreement on the day, month and the year first hereinabove written in the presence of the following witnesses:

For Shri Ajitnath Buildcon Limited

Director/Auth Sign.

For Mansarover Realtors Ltd

Director/Auth Sign

ANNEXURE-1

WITNESSES:

1.

DEVELOPER

For Shri Ajitnath Buildcon Limited

Director/Auth.Sign.

2.

M/S Shri Ajitnath Buildcon Ltd.

For Mansarover Realtors Ltd.

Director/Auth Sign.

M/S Mansarover Realtors Ltd.

OWNERS

ANNEXURE-1

SHEDULE OF PROPERTY

SCHEDULE OF LAND OWNED BY M/S SHRI AJITNATH BUILCON LTD.HAVING ITS OFFICE AT SF-4, BHIKAIJI CAMA BHAWAN,BHIKAIJI CAMA PLACE NEW DELHI-66 IN VILLAGE RAJPURA@HUSSAINPURA

Sr. No.	
1 S.Harbhajan singh S.D.No. 19156 Falling in Mustil No. 4	1.171875
2 S.Balwinder Singh S.D.No. 22156 Falling in Mustil No. 5 & 11	0.945
3 S.Naunihal Singh & others S.D.No. 19,003 Falling in Mustil No. 4	3.1375
4. Shri.Sarbjinder Singh S.D.No.24784 Falling in Mustil no.10,11,17,23	2.00
5 Harmeet kaur S.D.No.23359 Falling in Mustil no.10,17,21,23	1.925
6. Surjit Kaur S.D.No. 24666 Falling in Mustil no.5,11	3.78
TOTAL	12.959375

For Shri Ajitnath Builcon Limited

Director/Auth.Sign

For Mansarover Realtors I...

Director/Auth Sign

ANNEXURE-1

DETAILS OF LAND OWNED BY M/S Mansarover Realtors limited . COMPANY LTD HAVING ITS OFFICE AT SF-7 BHIKAIJI CAMA BHAWAN,BHIKAIJI CAMA PLACE NEW DELHI-66 IN VILLAGE RAJPURA@HUSSAINPURA

1.Smt.Satya S.D.No.1093 Falling in Mustil no.10,11	3.96875 ACRES
2 .Sh. Amardeep Singh S.D.No.31905 Falling in Mustil no.4,5	1.171875 ACRES
TOTAL	**5.140625 ACRES**

For Mansarover Realtors L[illegible]

Director/Auth Sign

For Shri Ajitnath Builde[illegible] Limi[illegible]

Director/Auth.Sign

ANNEXURE-2

SITE PHOTOGRAPHS

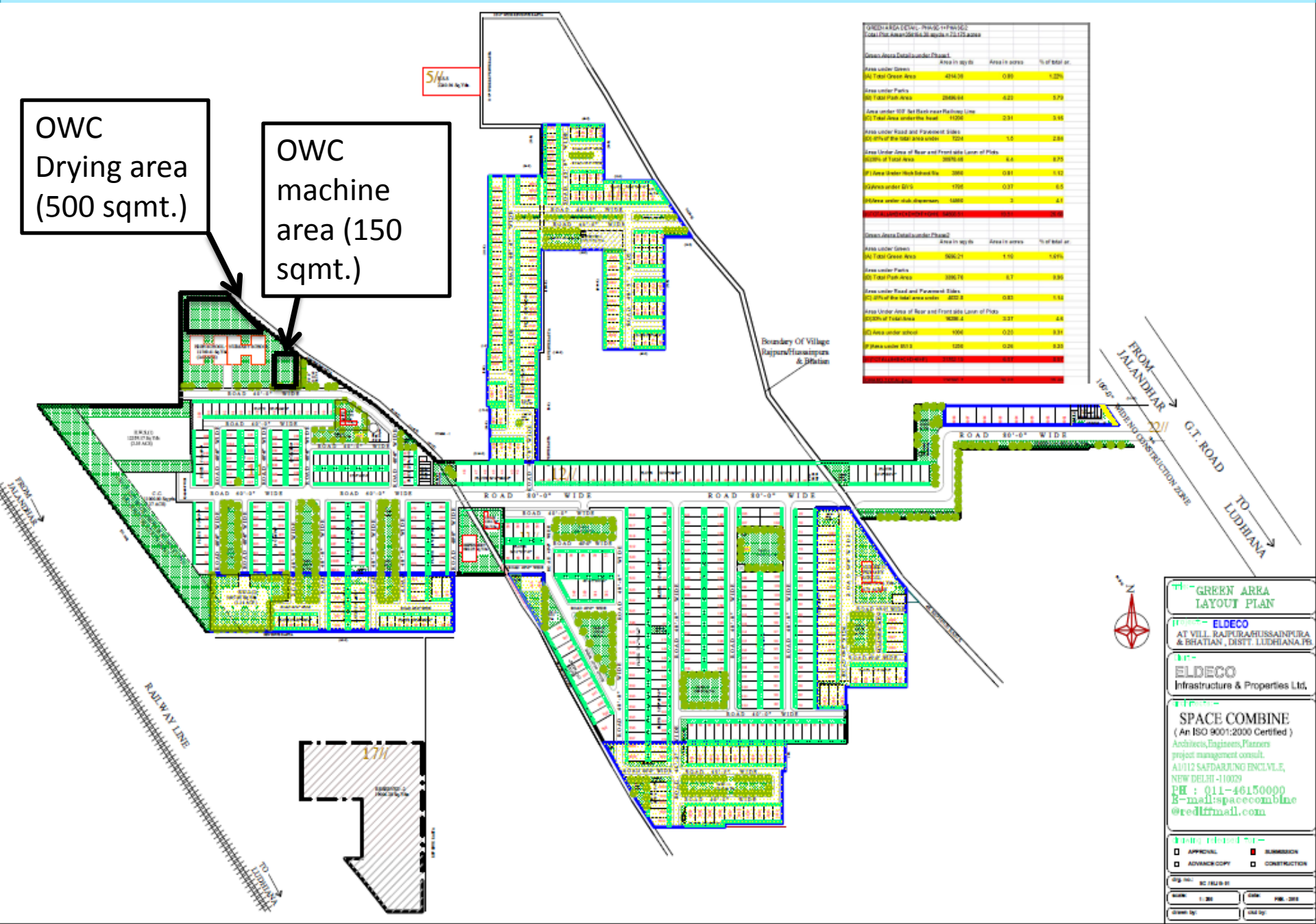
ANNEXURE-2

ANNEXURE-2

ANNEXURE-2

Solid Waste Management Area

ANNEXURE-3



DETAILS OF AVAILABILITY OF ADEQUATE LAND

Excess of treated water based on seasonal variation from STP is as follows:

1. 309 KLD during monsoon season

2. 272 KLD during winter season

3. 167 KLD during summer season

So we have adequate land of around 4 acres (our own land) and 20 acres (farmer land) near to project site. We have agreement with farmers to supply treated water as per their needs **(copy attached as Annexure-4(a)**). Revised water balance diagram is attached as **Annexure-4(b)**.

ANNEXURE-4(a)

मुखविंदर सिंह S/o मा. पूरन सिंह

SPECIAL ADHESIVE

ANIL KUMAR STAMP VENDOR
No. 24, New Courts, LUDHIANA

16332 Dt. 4/10/16 Rs. 20+5/-

ANIL KUMAR STAMP VENDOR
No. 24, New Courts, LUDHIANA

Affidavit

I, Sukhjinder Singh Malhi s/o Sardar Puran Singh Malhi do hereby solemnly affirm and declare as under:

1. That I am owner in possession of land measuring 20 acres approx. situated at village Rajpura Alias Hussainpura, G.T.Road, Ludhiana.

2. That my above said land is situated adjoining to the land owned by Eldeco Infrastructure & Properties Limited which is being developed for setting up residential township.

3. That I shall have no objection if the treated water discharge from Sewage Treatment Plant (STP) located in the colony is discharged in my above said land.

NOTARY PUBLIC
Ashwani Jolly
LUDHIANA (Pb.)
Regd. No. 27
GOVT. OF INDIA

Dated:

Place :

Certified that the affidavit SPA/GPA has been read over & explained to the deponent executant who seemed directly to understand the same at the making there of.

Deponent

(r/o 21-C,517,Chander Nagar, LDH)

VERIFICATION

I, the deponent above described do hereby solemnly verify that the contents of the foregoing paragraphs 1 to 3 are facts true to my knowledge and that no part of it is false and nothing is concealed there from.

Verified in _____ on this _____ day of 2016

Deponent

(r/o 21-C,517,Chander Nagar, LDH)

Attested as Identified

NOTARY PUBLIC
Distt. Ludhiana (Punjab)

ANNEXURE-4(a)

भारत सरकार

Unique Identification Authority of India

Government of India

नामांकन क्रम / Enrollment No 1218/24038/00362

To,
मुखजिंदर सिंह मल्ही
Sukhjinder Singh Malhi
S/O Puran Singh
H no. 21-C 517
Chander nagar
Ludhiana H.O
Ludhiana
Punjab 141001
9815129694

13/12/2011

Ref: 192 / 23C / 270278 / 270413 / P

UE221025269IN

NOTARY PUBLIC
Ashwani Jolly
LUDHIANA (Pb.)
Regd. No. 2784
GOVT. OF INDIA

आपका आधार क्रमांक / Your Aadhaar No. :

9407 2017 6512

आधार – आम आदमी का अधिकार

भारत सरकार
GOVERNMENT OF INDIA

मुखजिंदर सिंह मल्ही
Sukhjinder Singh Malhi

जन्म वर्ष / Year of Birth : 1953
पुरुष / Male

4 OCT 2016

Verified to be true Photo Copy

Notary Public Ludhiana

9407 2017 6512

आधार – आम आदमी का अधिकार

Daily Water Demand

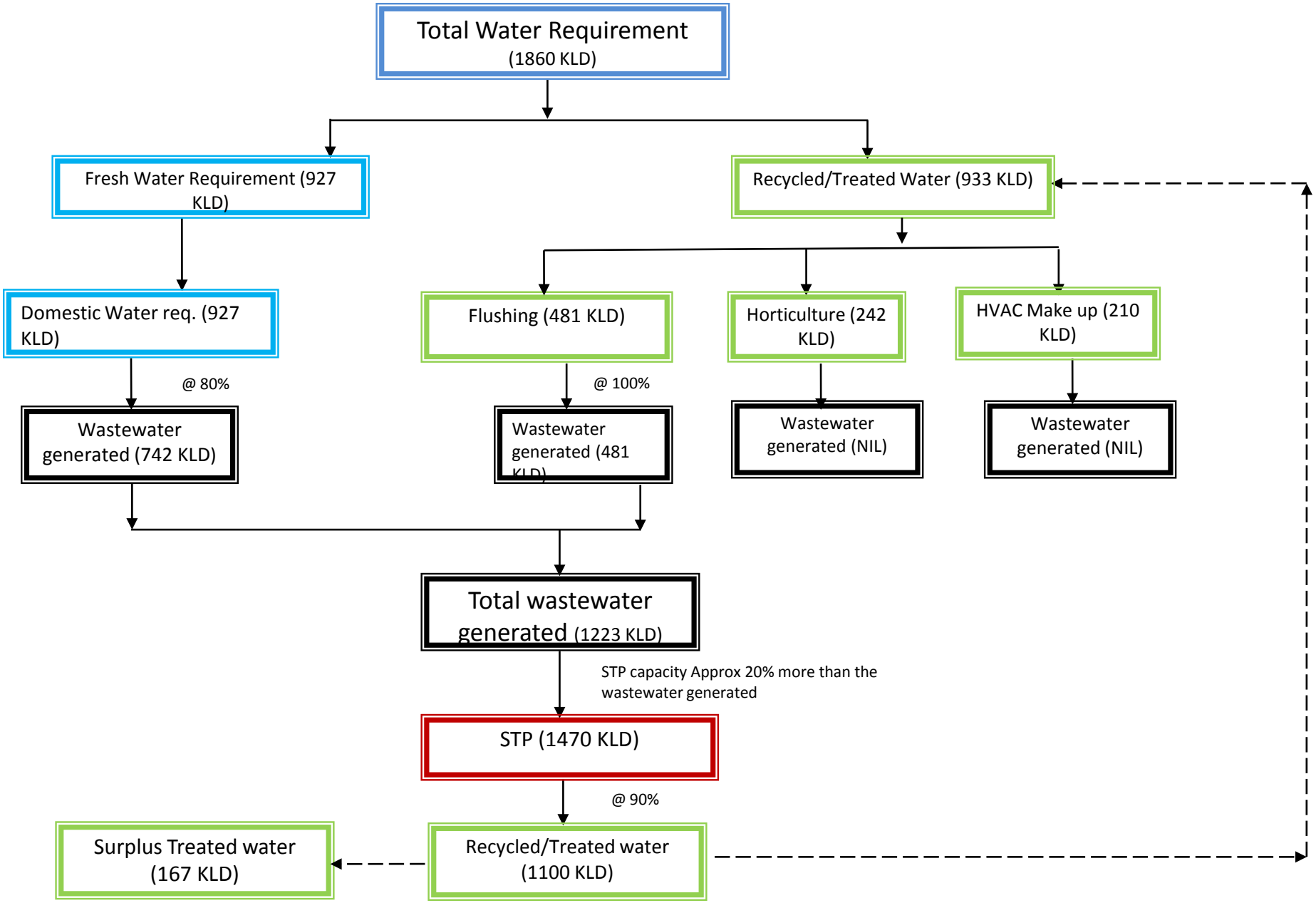
ANNEXURE-4(b)

Total Area details	Per Capita Demand	Total	Total Water Requirement in KLD	Domestic	flushing	Total Waste Water
Particulars		**Population**				
EWS Area	135	1476	199.26	132.84	66.42	172.69
Visitors	15	148	2.22	0.89	1.33	2.04
Area under plots	135	8670	1170.45	780.3	390.15	1014.39
Visitors	15	866	12.99	5.19	7.8	11.95
Commercial staff	45	15	0.68	0.23	0.45	0.63
Commercial visitors	15	30	0.45	0.18	0.27	0.41
Dispensary	45	49	2.21	0.74	1.47	2.06
Community centre visitors	15	215	3.23	1.29	1.94	2.97
Community Centre Staff	45	10	0.45	0.15	0.3	0.42
Common facility centre	15	25	0.38	0.15	0.23	0.35
High school and nursery	45	**264**	11.88	3.96	7.92	11.09
Nursery and Primary school	45	**75**	3.38	1.13	2.25	3.15
Total Population	**7772**	**11843**	**1407.56**	**927.05**	**480.53**	**1222.15**
Landscape Area (Summer)	**8.5**	**28368.4635**	**241.13**			
Landscape Area (Winter)	**4.8**	**28368.4635**	**136.16**			
Landscape Area (Monsoon)	**3.5**	**28368.4635**	**99.28**			

NIL

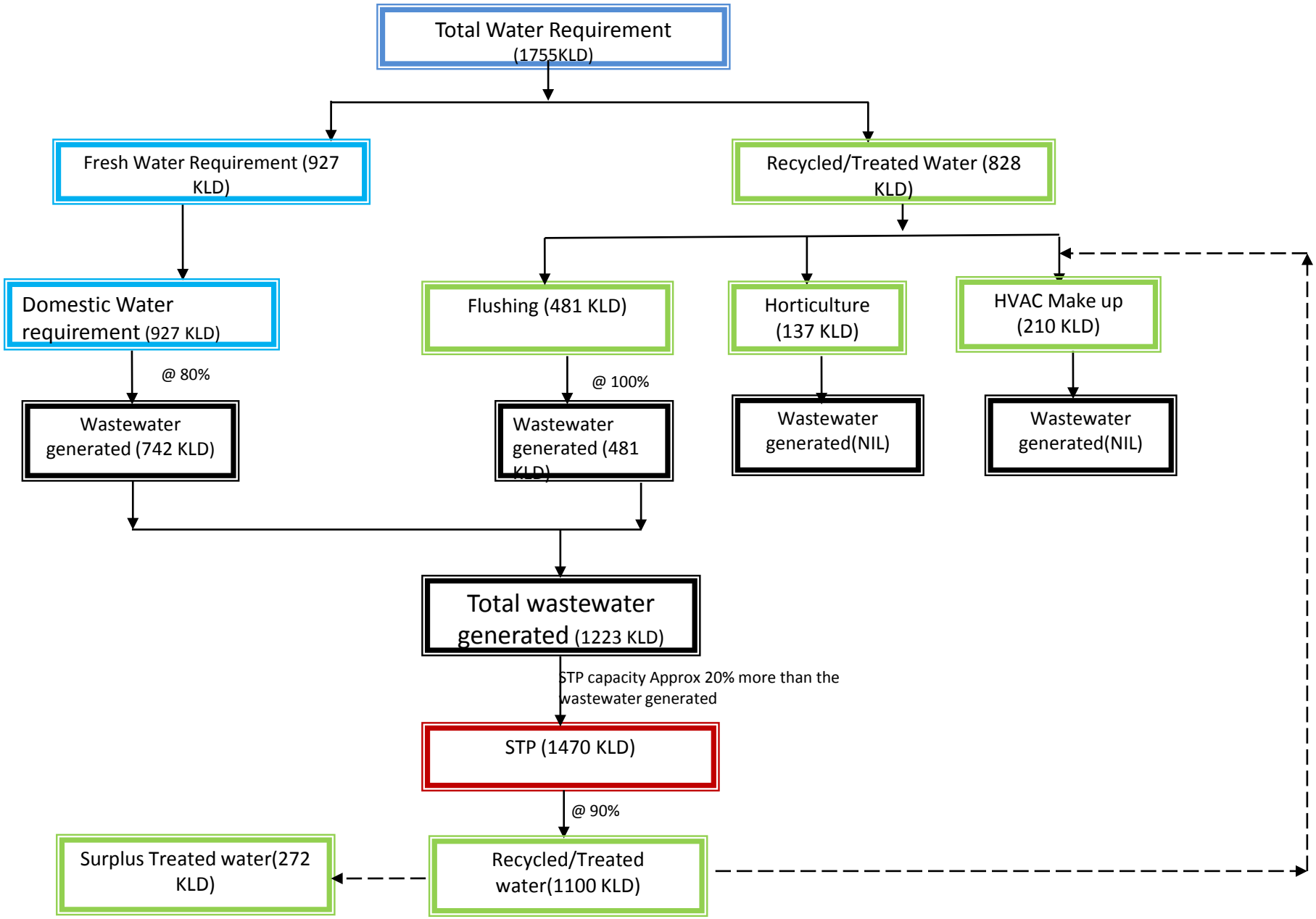
(Water Balance Diagram-Summer Season- Total)

ANNEXURE-4(b)



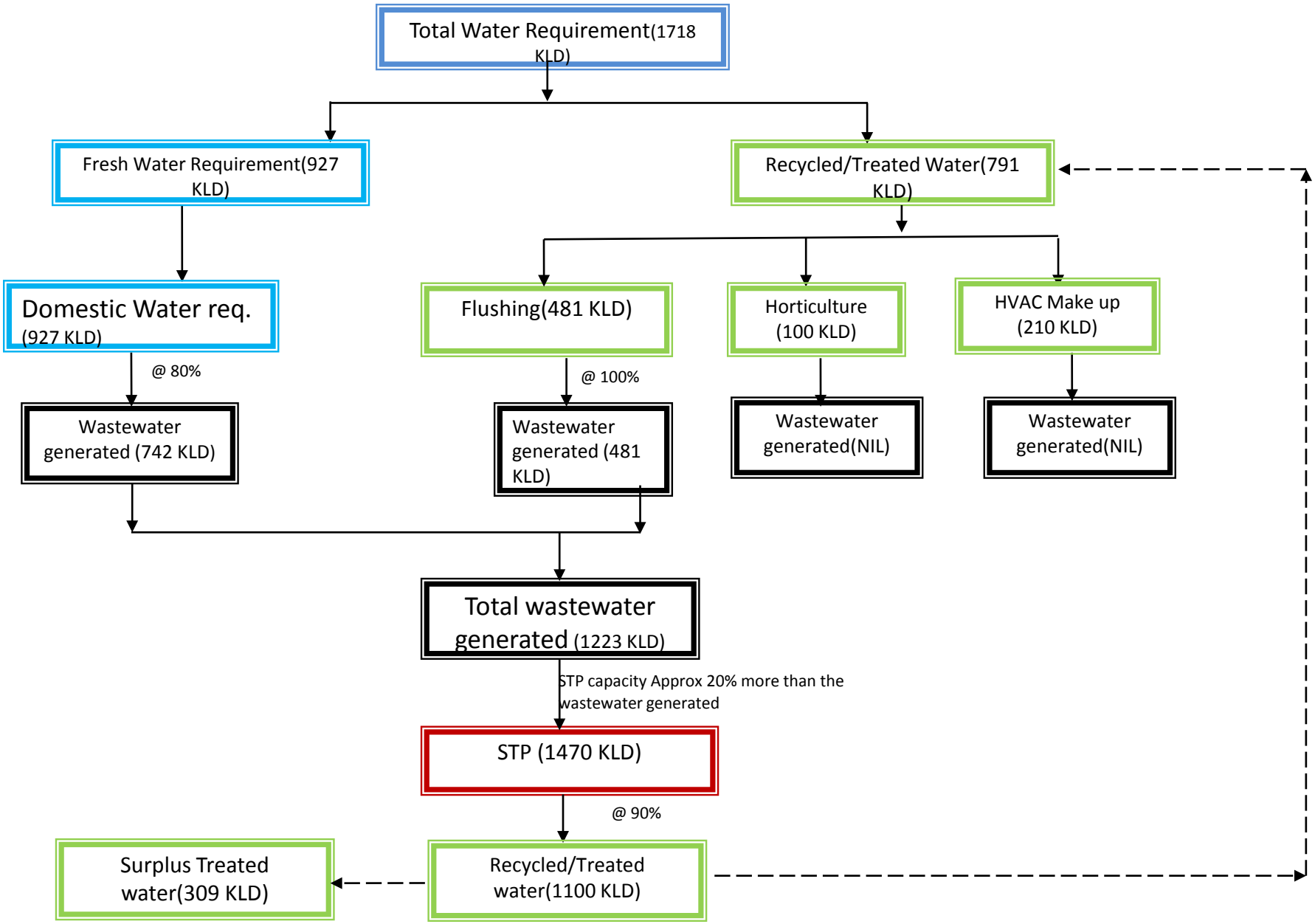
(Water Balance Diagram-Winter Season- Total)

ANNEXURE-4(b)



(Water Balance Diagram-Monsoon Season- Total)

ANNEXURE-4(b)



Budget Allocation For EMP

ANNEXURE-5

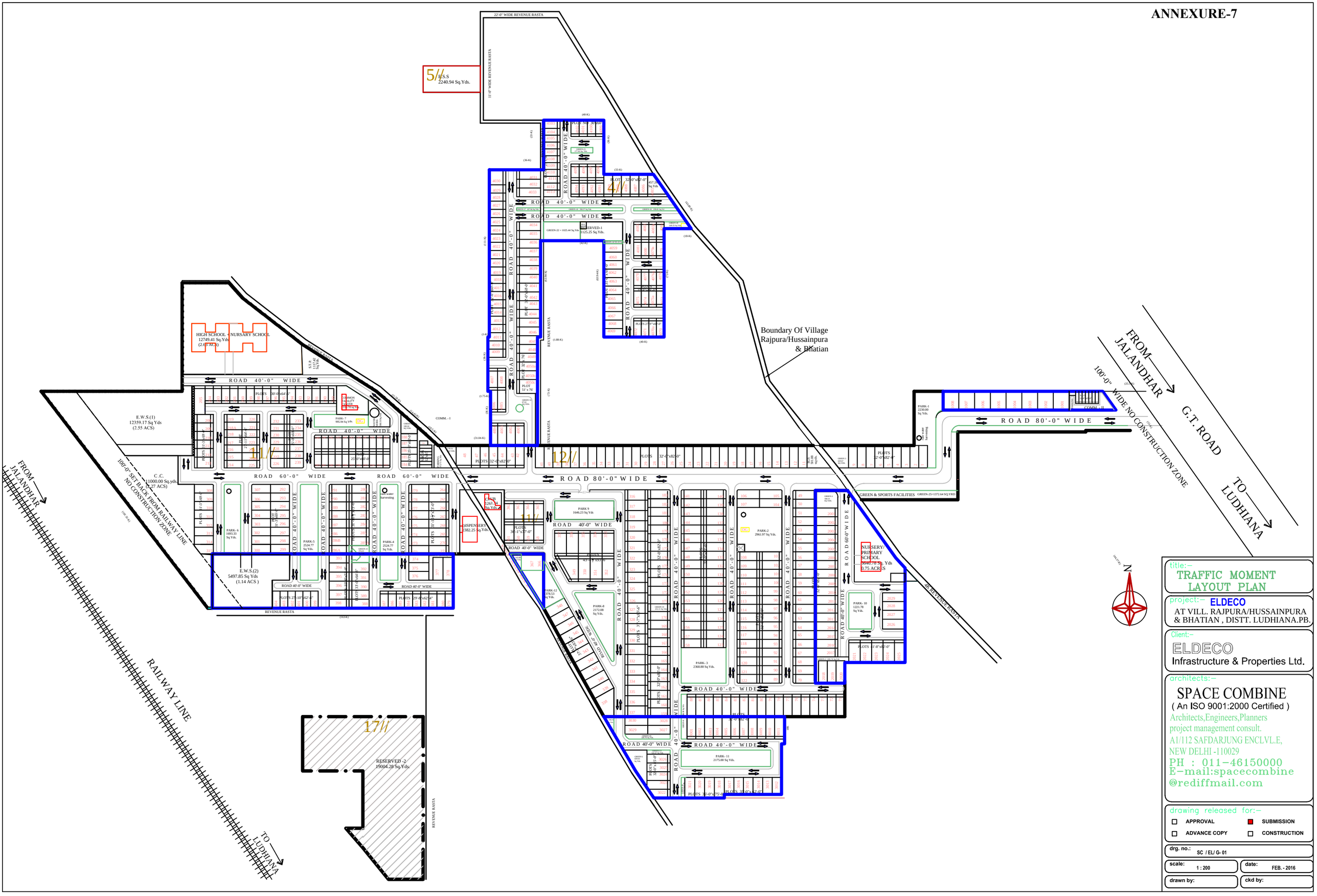
Description	During Construction Phase		During Operation Phase		
	Capital Cost (Lakhs)	Recurring Cost (Lakhs/Year	Capital Cost (Lakhs)		Recurring Cost (Lakhs/Year
Water for Dust suppression	3.05	1.50	Waste Water Management (Sewage Treatment Plant)	50.0	7.5
Wastewater Management	2.0	0.5	Solid Waste Management	10.0	2.5
Air, Noise, Soil, Water Monitoring	0.00	0.00	Green Belt Development	15	3.5
PPE for workers & Health Care	2.5	1.0	Monitoring for Air, Water, Noise & Soil	0.00	3.25
Green Belt Development	1.75	0.75	Others	5.0	1.25
Total	**Rs 9.30 (Lakhs/Year)**	**Rs. 3.75 (Lakhs/Year)**		**Rs. 80.00 (Lakhs/Year)**	**Rs. 18 (Lakhs/Year)**

Corporate Social Responsibility(Village- Rajpur, Hussainpura & Bhatian)

ANNEXURE-6

S. No.	PARTICULARS	ALLOTTED BUDGET (Rs. In Lacs/Annum)
1.	Providing Toilets for Gents & Ladies adjoining the school under ***Swachh Bharat Abhiyan.***	4.5
2	Construction of toilets, boundary walls, verandhas etc. in Panchayat Garh	4
3.	Maintenance of roads in the village	6
4.	Free Medical Camps & Ambulance Service	8
5.	Arranging Vocational Training	4.5
Total		**27**

ANNEXURE-7



title:–
TRAFFIC MOMENT LAYOUT PLAN

project:– **ELDECO**
AT VILL. RAJPURA/HUSSAINPURA & BHATIAN , DISTT. LUDHIANA.PB.

Client:–
ELDECO
Infrastructure & Properties Ltd.

architects:–
SPACE COMBINE
(An ISO 9001:2000 Certified)
Architects,Engineers,Planners
project management consult.
A1/112 SAFDARJUNG ENCLVE,
NEW DELHI -110029
PH : 011-46150000
E-mail:spacecombine
@rediffmail.com

drawing released for:–

☐ APPROVAL	■ SUBMISSION
☐ ADVANCE COPY	☐ CONSTRUCTION

drg. no.: SC /EL/ G- 01

scale: 1 : 200

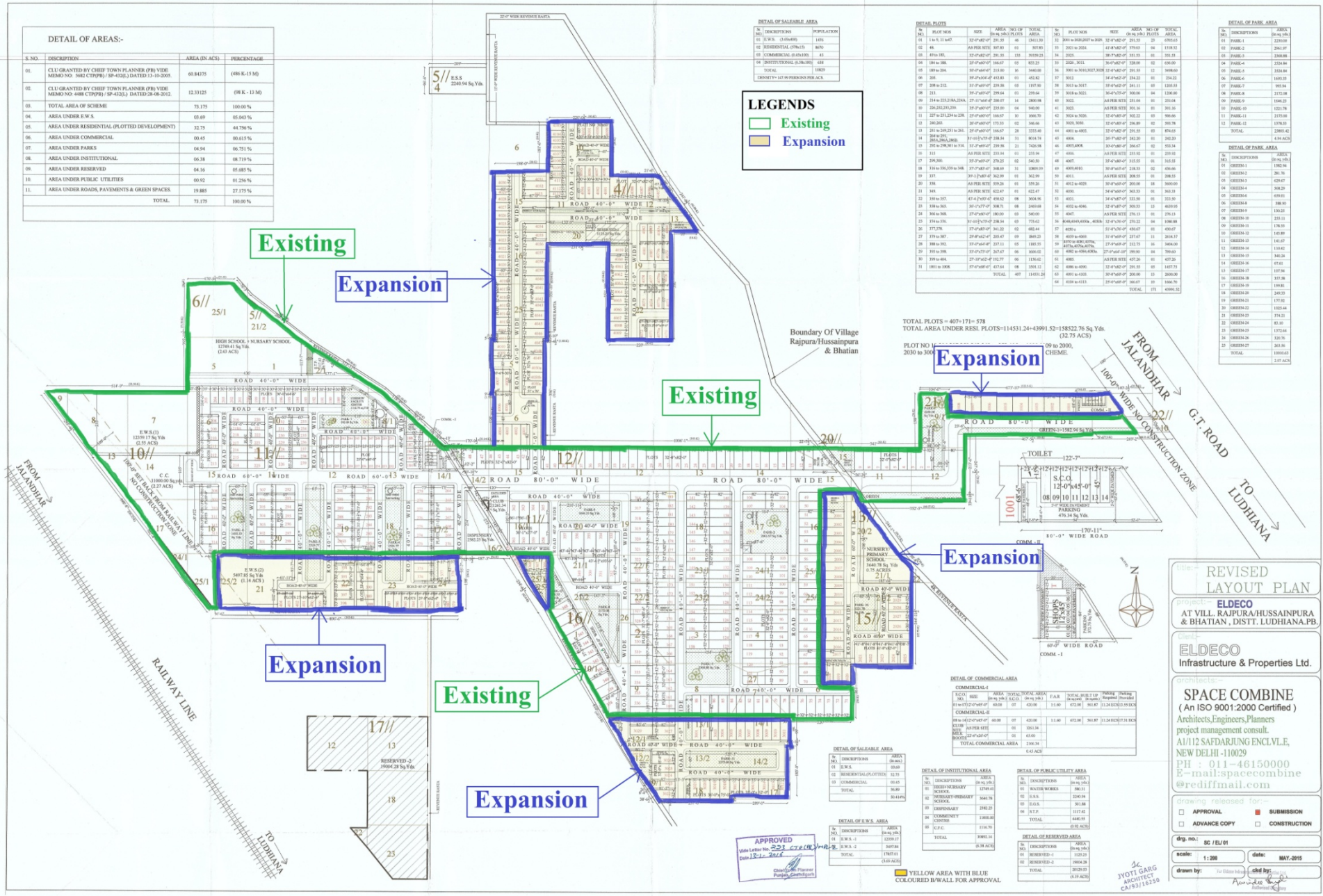
date: FEB. - 2016

drawn by:

ckd by:

Approved Site Plan

ANNEXURE-8



ANNEXURE-9

ELDECO

05/10/2016

UNDERTAKING

This is to confirm that the internal water supply system, sewer system and STP of proposed expansion in the Plotted colony project 'Estate One' Residential Colony at Village- Rajpura, Hussainpura and Bhatian, District-Ludhiana being developed by M/s Eldeco Infrastructure & Properties Ltd. is being designed/planned in accordance to the exiting services present in the existing colony. Further the services in the expansion phase will not affect the water supply system, sewer system and STP of existing plotted colony services.

Thanking you,

For **Eldeco Infrastructure & Properties Ltd.**

Eldeco Infrastructure & Properties Ltd. New Delhi

(Authorized Signatory)

STORM WATER MANAGEMENT PLAN DURING CONSTRUCTION PHASE

The Storm Water Pollution Prevention Plan includes a description of the measures to be used for erosion and sediment controls throughout the construction project. These controls include stabilization measures for disturbed areas and structural controls to divert runoff and remove sediment. Erosion and sediment controls are implemented during the construction period to prevent and/or control the loss of soil from the construction site into the receiving waters. Selection of the most appropriate erosion and sediment controls depends on a number of factors, but is most dependent on site conditions. The information collected in the site evaluation, design and assessment phases is used to select controls.

Some controls are:

Stabilization-Disturbed areas of the construction site that will not be redisturbed for 21 days or more must be stabilized by the 14th day after the last disturbance. Stabilization measures include the following: -

Temporary Seeding-Temporary seeding is the planting of fast-growing grasses to hold down the soils in disturbad areas so that they are less apt to be carried offsite by storm water runoff or wind.

Permanent seeding-Permanent seeding is the use of permanent vegetation (grass, trees, or shrubs) to stabilize the soil by holding soil particles in place. –

Mulching-Mulching is the placement of material such as hay, grass, woodchips, straw. or gravel on the soil surface to cover and hold in place disturbed soils. (Mulching often accompanies seeding.).

The pollution prevention plan includes structural practices to divert flows away from disturbed areas, to store flows, or to limit the discharge of pollutants from the site.

The following is a list of some of the practices which may be used.

• **Structural control measures** –

Earth Dike-An earth dike is a mound of stabilized soil which is constructed to divert runoff, Earth dikes may be used to either divert uncontaminated runoff away from disturbed areas or to divert contaminated runoff into a sediment basin or sediment trap.

Silt fence-A silt fence is a temporary measure consisting of posts with filter fabric stretched across the posts and sometimes with a wire support fence. The fence is installed along the downslope or sideslope perimeter of a disturbed area. Runoff passes through the openings in the fabric, while sediment is trapped on the uphill side. –

Sediment trap-A sediment trap is formed by excavating a pond or by placing an earthen embankment across a low area or drainage swale. It has an outlet or spillway made of large stones or aggregate. The trap retains the runoff long enough to allow the silt to settle out.

Sediment basin-A sediment basin is a settling pond with a controlled water release structure, e.g., a riser and pipe outlet with a gravel filter, which slows the release of runoff, the basin detains sediment-laden runoff from larger drainage areas long enough for most of the sediment to settle out.

Visit Report

During visit to MC office, Zirakpur on 19/X/16 for verifying the office copy of letter no. 898 dated 06.3.13, letter no. 808 dated 04.6.13 from official record & dispatch number 808 dated 04.6.13 from dispatch register, Sh. Parvinder Singh Sarao, EO, MC, Zirakpur was met. He informed that there are two branches in MC office Zirakpur i.e. General Branch & Building Branch. The dispatch no. 808 dated 04.6.13 pertains to General Branch & dispatch number 898 dated 06.3.13 pertains to Building Branch. While verifying the official record file of M/S Royal Mansion, it was observed that the office copy of letter no 808 dated 04.6.13 was available in official file & photo copy of the same after attesting from EO, MC Zirakpur was taken on the spot. However, the office copy of letter no. 898 dated 06.3.13 was not available in official file of M/S Royal Mansion. On this issue, the EO informed that he has signed the letter no. 898 dated 06.3.13 & issued to M/S Royal Mansion. However, the office copy of the same might have been tagged in some other file. The attested copy of letter no. 898 dated 06.3.13 & attested copy of dispatch register showing dispatch no 808 dated 04.6.13 was taken on the spot.

Parvinder 19/10/16.

Executive Officer
Municipal Council, Zirakpur
Distt. S.A.S. Nagar (Pb.)

(Sign of Sh. Parvinder Singh Sarao)
EO, MC Zirakpur

19/X/16

(Sign of visiting officer)
Er. Kamal Singla
AEE (SEAC)

OFFICE OF THE MUNICIPAL COUNCIL, ZIRAKPUR
(Distt. S.A.S. Nagar)
ਦਫਤਰ ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ
(ਜਿਲ੍ਹਾ ਐਸ.ਏ.ਐਸ.ਨਗਰ)

E-Mail-ID-eomczirakpur@yahoo.in

ਨੰਬਰ 898
ਵੱਲ,

ਮਿਤੀ:....6/3/2013

ਰੋਇਲ ਮੈਨਸ਼ਨ,
ਪੀਰਮੁਛੈਲਾ।

ਵਿਸ਼ਾ :- ਰੋਇਲ ਮੈਨਸ਼ਨ, ਪੀਰਮੁਛੈਲਾ ਪ੍ਰੋਜੈਕਟ ਦੀ ਵਾਧੂ ਕੀਤੀ ਉਸਾਰੀ ਸਬੰਧੀ।

ਉਪਰੋਕਤ ਵਿਸ਼ੇ ਸਬੰਧੀ ਆਪ ਨੂੰ ਪਹਿਲਾਂ ਵੀ ਕਈ ਵਾਰ ਹਦਾਇਤ ਕੀਤੀ ਗਈ ਹੈ ਕਿ ਆਪ ਵੱਲੋ ਆਪਣੇ ਪ੍ਰੋਜੈਕਟ ਰੋਇਲ ਮੈਨਸ਼ਨ, ਪੀਰਮੁਛੈਲਾ ਦੀ ਸਰਕਾਰ ਵੱਲੋ ਮੰਨਜੂਰ ਕੀਤੇ ਗਏ ਨਕਸੇ ਤੋ ਵਾਧੂ ਉਸਾਰੀ ਕੀਤੀ ਗਈ ਹੈ ਅਤੇ ਆਪ ਦੇ 201 ਫਲੈਟ (8 ਮੰਜਿਲਾਂ) ਪਾਸ ਕੀਤੇ ਗਏ ਸਨ, ਪ੍ਰੰਤੂ ਆਪ ਵੱਲੋ 258 ਫਲੈਟ (9 ਮੰਜਿਲਾਂ) ਬਣਾ ਲਏ ਗਏ ਹਨ ਅਤੇ 9 ਦੁਕਾਨਾ ਅਤੇ ਕਲੱਬ ਬਣਾ ਲਿਆ ਗਿਆ ਹੈ, ਜੋ ਕਿ ਸਰਕਾਰ ਵੱਲੋ ਪਾਸ ਕੀਤੇ ਗਏ ਨਕਸੇ ਤੋ ਵਾਧੂ ਉਸਾਰੀ ਕੀਤੀ ਗਈ ਹੈ। ਇਸ ਨੋਟਿਸ ਰਾਹੀ ਆਪ ਨੂੰ ਹਦਾਇਤ ਕੀਤੀ ਜਾਦੀ ਹੈ ਕਿ ਆਪ ਇਸ ਕੀਤੀ ਗਈ ਵਾਧੂ ਉਸਾਰੀ ਦਾ ਰਿਵਾਇਜਡ ਪਲੈਨ ਦਾ ਨਕਸਾ ਪਾਸ ਕਰਵਾਇਆ ਜਾਵੇ ਅਤੇ ਇਸ ਦੀ ਬਣਦੀ ਕੰਮਪਾਊਡੀ ਫੀਸ ਭਰਵਾਈ ਜਾਵੇ। ਪਾਲਣਾ ਨਾ ਕਰਨ ਦੀ ਸੂਰਤ ਵਿੱਚ ਆਪ ਦੇ ਖਿਲਾਫ ਬਣਦੀ ਅਗਲੇਰੀ ਕਾਰਵਾਈ ਕੀਤੀ ਜਾਵੇਗੀ।

ਕਾਰਜ ਸਾਧਕ ਅਫਸਰ,
ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ।

Attested to be true Copy

Executive Officer
Municipal Council, Zirakpur

✆ 01762:- 525088

OFFICE OF THE
MUNICIPAL COUNCIL, ZIRAKPUR
(Distt. S.A.S. Nagar)
ਦਫ਼ਤਰ ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ (ਜ਼ਿਲ੍ਹਾ ਐਸ.ਏ.ਐਸ.ਨਗਰ)

ਨੰਬਰ.....808.....

ਮਿਤੀ.....4/6/13.....

ਵੱਲ,

Royal Mansions

Peemuchala,

Zirakpur.

ਵਿਸ਼ਾ-ਸੋਲਡ ਵੈਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬੇਜ ਚੁੱਕਣ ਬਾਰੇ।

ਉਪਰੋਕਤ ਵਿਸੇ ਸਬੰਧੀ ਆਪ ਦਾ ਪੱਤਰ ਪ੍ਰਾਪਤ ਹੋਇਆ ਹੈ। ਜਿਸ ਵਿਚ Royal Mansions Peemuchala, Zirakpur ਦੇ ਹੈ। ਆਪ ਵੱਲੋਂ ਵੇਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬਜੇ ਚੁੱਕਣ ਸ਼ਬੰਧੀ ਬੇਨਤੀ ਕ਼ੀਤੀ ਗਈ ਹੈ। ਇਸ ਸਬੰਧੀ ਆਪ ਨੂੰ ਲਿਖਿਆ ਜਾਂਦਾ ਹੈ ਕਿ ਨਗਰ ਕੌਸਲ, ਜੀਰਕਪੁਰ ਵੇਸਟ ਮਟੀਰੀਅਲ ਅਤੇ ਗਾਰਬੇਜ ਚੁੱਕਣ ਅਤੇ ਸੁੱਟਣ ਦਾ ਪ੍ਰਬੰਧ ਕਰੇਗੀ ਅਤੇ ਇਸ ਸਬੰਘੀ ਆਉਣ ਵਾਲਾ ਖਰਚਾ ਆਪ ਵੱਲੋ ਅਦਾ ਕੀਤਾ ਜਾਵੇਗਾ।

ਕਾਰਜ ਸਾਧਕ ਅਫ਼ਸਰ,

ਨਗਰ ਕੌਸਲ, ਜੀਰਕਪੁਰ।

Attested to be true Copy

Executive Officer
Municipal Council, Zirakpur

✆ 01762:- 525033

OFFICE OF THE
MUNICIPAL COUNCIL, ZIRAKPUR
(Distt. S.A.S. Nagar)
ਦਫ਼ਤਰ ਨਗਰ ਕੌਂਸਲ, ਜ਼ੀਰਕਪੁਰ (ਜ਼ਿਲ੍ਹਾ ਐਸ.ਏ.ਐਸ.ਨਗਰ)

ਨੰਬਰ.....808.....

ਮਿਤੀ.....4/6/13.....

TO WHOM IT MAY CONCERN

It is certified that he Municipal Council, Zirakpur has no Objection for giving sewerage connection from its main sewer of Municipal Council, Zirakpur to Royal Mansions Peermuchala, Zirakpur for Discharge of its Treated Water after deposition of applicable Connection Charges and other requisite charges of Municipal Council & Water supply/sewerage department of Zirakpur. The above connection shall be permitted only after obtaining completion certificate from this Office.

Executive Officer,
Municipal Council,
Zirakpur

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Executive Officer
Municipal Council, Zirakpur

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806	-do-	ਐਮ ਸੇ ਪੀਸ਼ਪੁ	3/6/13 ਤੋਂ ਕਰਾਰ ਕੰਮ ਪੀਸ਼ਪੁਰ ਵੱਲ ਕੰਮ ਸਲਾਹਿਆ ਕੰਮ ਬਰਾਵਿਸ਼ਾ ਨਾਂ ਹੋਣ ਬਾਰੇ ਨਾਹੀਬ ਕੰਟ	—	ਸੁਸਤੀ
807	4/6/13	ਤੇ ਸੇ ਮੰਜਾਲੀ	ਸੰਭਕ ਸ਼ਿਕਾਵਿਤ ਕਰਮਚਾਰੀ ਸਿਪੁਕਤ ਕਰਨ ਬਾਰੇ	—	S.E. Bhat
808	-do-	M/s Royal Mansions Peerauchala	NOC ਜਾਰੀ ਕਰਨ ਬਾਰੇ	—	DMR

Executive Officer
Municipal Council, Zirakpur
Distt. S.A.S. Nagar (Pb.)

Report No
GEP-EMP/05161093

DRAFT
DISTRICT SURVEY REPORT
OF MINOR MINERAL SAND
District Shahid Bhagat Singh Nagar, Punjab.

District Shaheed Bhagat Singh Nagar
ਸ਼ਹੀਦ ਭਗਤ ਸਿੰਘ ਨਗਰ

Location in Punjab, India

Coordinates: 31°7′31″N 76°6′59″E

Prepared by:

geotech
engineering services

TEST HOUSE APPROVED BY CPWD, MES, AIR FORCE PALAM, AIRPORT AUTHORITY OF INDIA, AIR, HPHC, PPHC, GMADA, BSNL

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DISTRICT SURVEY REPORT FOR SAND QUARRIES OF DISTRICT SHAHID UDHAM SINGH NAGAR, PUNJAB

1.0 INTRODUCTION

This District Survey Report of River Bed Sand Mining of District Shahid Udham Singh Nagar, Punjab has been prepared as per prescribed procedure and guide lines issued vide paragraph 7 (III) (a) and Appendix–X of Notification No. S.O. 141(E), dated 15th January, 2016 issued by Ministry of Environment, Forest and Climate Change. This survey report encompasses complete picture and status of mining in the district. Sand quarries are located in Sutlej River bed bounded by coordinates Latitude 30º57"N-31º01"N and Longitude 75º48"E-76º30"E. Main objective of this report is to ensure identification of areas of deposition where mining can be allowed, areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited, calculation mineral potential, its annual rate of replenishment after allowing time for replenishment after mining in that area. Most of the data about the sand quarries and khasra numbers (revenue data) where mining is not barred and the same can be given for mineral concessions have been provided by the Mining Officer, SBS Nagar. Reconnaissance of the quarries was undertaken and sand samples were collected. This report embodies details of field work, laboratory testing, data required as per format of the notification and the revenue data of the quarries which can be given for minor mineral leases under the rules and regulations.

2.0 OVERVIEW OF MINING ACTIVITY IN THE DISTRICT

This is a case of riverbed mining of minor mineral sand. The quarries/lease areas of various villages fall in Satluj river bed (Plate-1, 2). Mining is done by manual open cast method without drilling and blasting. Mining is started from centre of the river bed area and advanced towards the banks. A safety barrier of 3.00 m or 10% of width, whichever is more, is left intact around the mine lease boundary as per mining regulation. As per above notification dated 15th January, 2016, minable reserves of river bed are to be taken as 60% of the total potential. The mineral extraction is not allowed during monsoon season. Dry pit mining is followed. Sand is collected by making river bed terraces upto a depth of 3.00 m depth or water table, whichever is earlier. But in this case, mineral potential has been identified upto one metre depth due proximity of water table in the bed of river. The sand so excavated is temporarily stored and is despatched to the buyer locations by 8 to 10 tonne capacity tippers. There is no solid waste generation as all the sand produced is saleable. The pits created due to mining are again filled with minor mineral sand during rainy season.

3.0 LIST OF MINING LEASES

There are total 21 riverbed minor mineral sand quarries in the district as per supplied revenue data. Environment clearance was obtained for 13 quarries vide letters dated February-March, 2015 for five years copies of which are at Annexure-4. Out of these, 12 quarries were auctioned under Punjab Minor Minerals Rules, 2013 on 28.06.2011. But the contract of these quarries could not be operated due to stay given by Honble High Court in view of the Ministry of Mines notification dated 14.09.2006. EC under this notification was obtained from SEIAA in February and March 2016 and thereafter mining operations from these 12 quarries commenced. List of running Mining

contracts in the District with location, area and period of validity are as under.

TABLE-1, LIST OF MINING LEASES				
S No.	**Location**	**Khasra Nos.**	**Area Kanal-Marla**	**Period of validity**
1	Arazui Darya Village Bramad Rail Hadbast No. 420 Latitude 31º00.290'N Longitude 76º00.742'E Toposheet No. 53A/4	17// 17/1 23 24 44//3 4 5 7 8 13 14 17 18	3-12 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0	Upto 3.10.2016
Total Area =			91-12 =	5.067 Ha

S No.	**Location**	**Khasra Nos.**	**Area Kanal-Marla**	**Period of validity**
2	Village Malakpur Hadbast No. 244 Latitude 31º01'30"N Longitude 76º14'15"E Toposheet No. 53A/4	63// 12 13 17 18 19 55//4 5 6 7 8 9	7-4 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0	Upto 3.10.2016
Total Area =			87-4	4.824 Ha

S No.	Location	Khasra Nos.	Area Kanal-Marla	Period of validity
3	Village Behlur Khurd	10// 5 min	4-0	Upto
	Hadbast No. 256	5 min	4-0	3.10.2016
	Latitude 31º00'02"N	6	7-4	
	Longitude 76º11'00"E	7	8-0	
	Toposheet No. 53A/4	14	8-0	
		15	8-0	
		11//16/1	7-16	
		12//9	8-0	
		10	8-0	
		16//20	5-8	
		22/2	4-4	
		23/1	6-3	
Total Area =			78-15	4.357 Ha

4	Village Saidpur Khurd	7// 23/1	8-0	Upto
	Hadbast No. 268	24	8-0	3.10.2016
	Latitude 30º59'45"N	25	8-0	
	Longitude 76º09'48"E	15//1	8-0	
	Toposheet No. 53A/4	2	6-2	
		9	7-4	
		10	8-0	
		11	8-0	
		12	8-0	
		19	9-6	
		16//1	7-2	
		2	7-2	
Total Area =			92-16	5.134 Ha

S No.	Location	Khasra Nos.	Area Kanal-Marla	Period of validity
5	Village Kanon Hadbast No. 269 Latitude 30º59'40"N Longitude 76º07'30"E Toposheet No. 53A/4	24// 1 2 3 8 9 10 11 12 18 19 20 21 33//3	8-0 8-0 3-8 7-18 8-0 8-0 8-0 8-0 4-13 7-13 8-0 2-13 4-11	Upto 3.10.2016
Total Area =			85-16	4.747 Ha

6	Village Lalewal Hadbast No. 282 Latitude 31º00'.15"N Longitude 76º03'.35"E Toposheet No. 53A/4	42// 1 10 11 20 42//12/1 19/2 12/2 13 18 19/1	8-0 8-0 8-0 8-0 2-8 2-8 5-12 8-0 8-0 5-12	Upto 3.10.2016
Total Area =			64-00	3.541 Ha

S No.	Location	Khasra Nos.	Area Kanal-Marla	Period of validity
7	Village Khoja Hadbast No. 284 Latitude 31º00'.10"N Longitude 76º02'.45"E Toposheet No. 53A/4	51// 5 6 13 52//1 2 9 10 11 20 21	8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0	Upto 3.10.2016
Total Area =			80-00	4.426 Ha
8	Village Jhungian Hadbast No. 285 Latitude 31º00'.05"N Longitude 76º01'.22"E Toposheet No. 53A/4	33// 3 4 7 8 13	8-0 8-0 8-0 8-0 8-9	Upto 3.10.2016
Total Area =			40-09	2.238 Ha
9	Village Mandhala Hadbast No. 251 Latitude 31º00'30"N Longitude 76º1210"E Toposheet No. 53A/4	16// 1 2 9 10 17//4 5 6 7	8-0 7-4 7-4 8-0 8-0 8-0 8-0 8-0	Upto 3.10.2016
Total Area =			62-08	3.452 Ha

S No.	Location	Khasra Nos.	Area Kanal-Marla	Period of validity
10	Village Mehdipur Hadbast No. 253 Latitude 31º01'00"N Longitude 76º09'10"E Toposheet No. 53A/4	17// 21 min 18//22 19//12/2 13 18 22 15 16 17 23//3 8 9 10	4-0 8-0 5-16 8-0 8-0 8-0 8-0 8-0 8-0 8-0 6-16 4-0 2-2	Upto 3.10.2016
Total Area =			86-14	4.796 Ha

11	Village Begowal Hadbast No. 289 Latitude 31º00'.32"'N Longitude 76º00'.30"'E Toposheet No. 53A/4	43// 14 44//11 13 18 23	8-0 8-0 8-0 1-14 2-11	Upto 3.10.2016
Total Area =			28-05	1.563 Ha

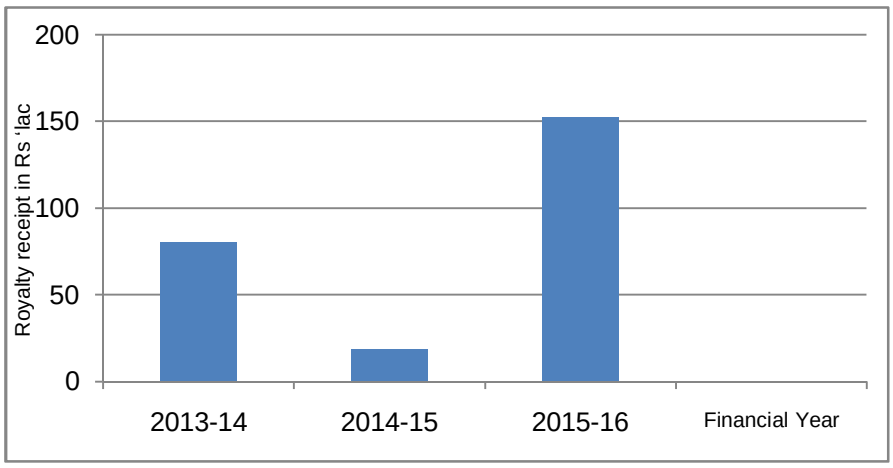
S No.	Location	Khasra Nos.	Area Kanal-Marla	Period of validity
12	Village Bairsal Hadbast No. 276 Latitude 31º00'.20"N Longitude 76º06'.oo"E Toposheet No. 53A/4	23// 5/1 6 15 24//1/1/1 1/2/1 2/1/1 2/2/1 3/1/2 6 9 10 11	1-02 3-00 1-08 2-01 1-10 0-18 2-10 0-11 3-18 6-18 8-00 2-04	Upto 3.10.2016
Total Area =			34-00	1.881 Ha

The quarry which is lying vacant and whose environmental clearance has been obtained is Burj Tehaldass HB No. 292.

4.0 DETAILS OF ROYALTY RECEIVED IN LAST THREE YEARS

Mining contracts of minor mineral sand are given village quarry-wise by open e-auction. Details of revenue received by the department during the last three years from the contracts as well as royalty received from Brick Earth and Ordinary Earth minor minerals are given as under.

TABLE-2, DETAILS OF ROYALTY RECEIVED	
Financial Year	**Amount of Royalty Received (Rs)**
2013-14	80,06,016
2014-15	18,35,220
2015-16	1,49,57,753

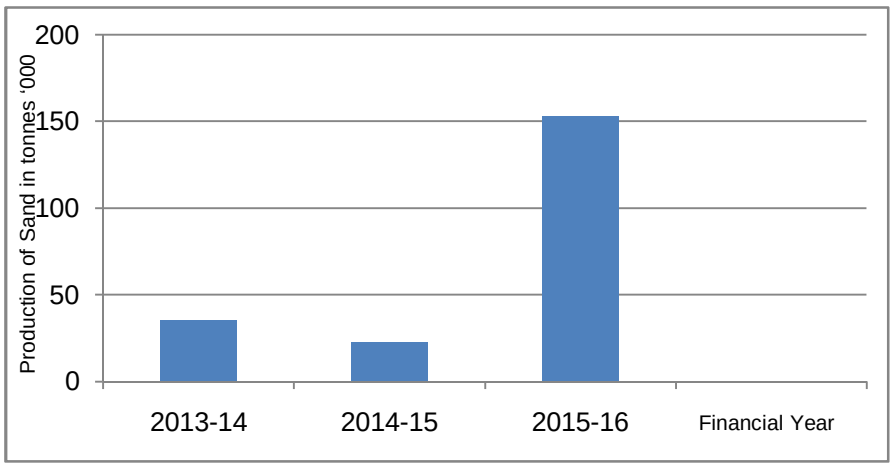


1 GRAPH SHOWING REVENUE RECEIVED DURING LAST THREE YEARS

5.0 DETAIL OF PRODUCTION OF SAND IN LAST THREE YEARS

Detail of extraction of minor mineral sand done by the contractors in the district during the last three years is as under.

TABLE-3, DETAILS OF PRODUCTION OF MINOR MINERAL SAND	
Financial Year	**Production of Sand (Tonne)**
2013-14	35,306
2014-15	22,753
2015-16	1,52,625



2GRAPH SHOWING PRODUCTION OF SAND YEARWISE

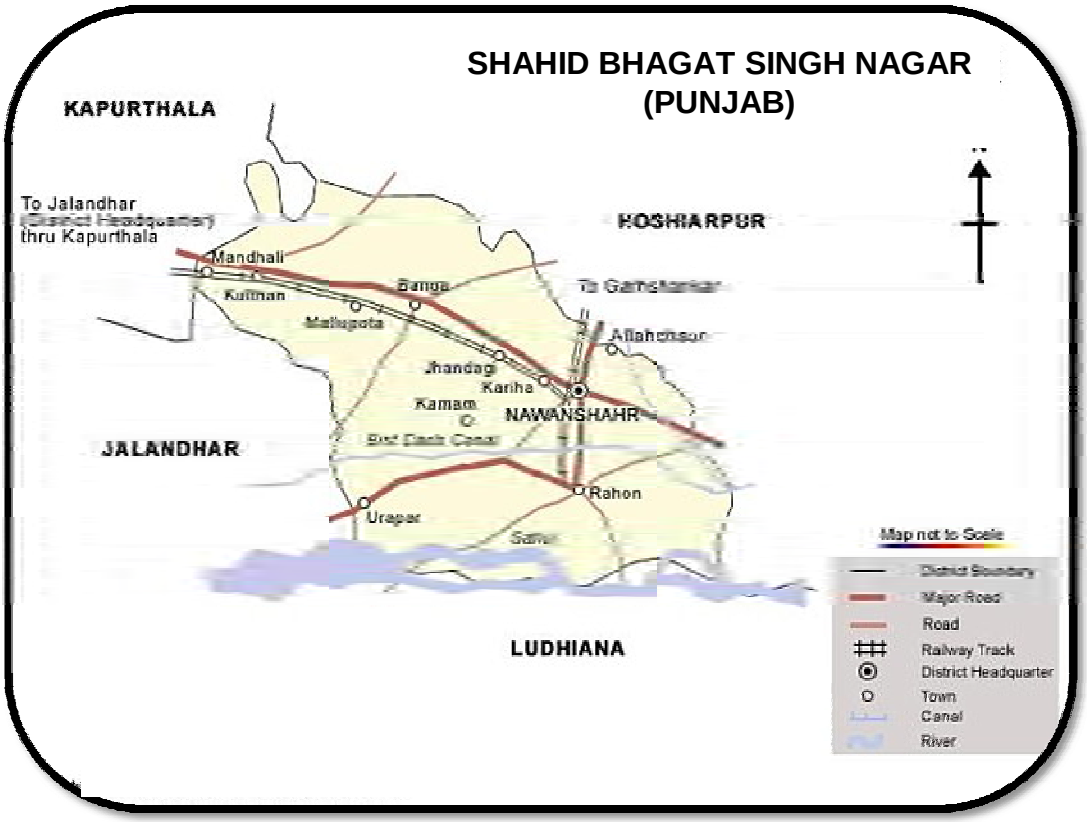
6.0 PROCESS OF DEPOSITION OF SEDIMENTS IN THE RIVERS

The mine areas/quarries of the district are located in Satluj river bed and minor mineral available is fine sand. The process of deposition is result of weathering effect over rocks resulting in sediments and fragments of various sizes like sand, gravels, cobbles and boulders transported to the plains from higher reaches of Himalayas by alluvial action of rivers. Deposition of various size fragments from coarse materials to finer fractions take place during its journey downward the course of river and its tributaries Thus, sand gets

deposited along the river course as per speed of water and distance from provenance. As a result of continuous deposition of sand, the rivers may trend to change their course, widening by itself, eroding the fields and expanding, resulting in flooding, inundation and breaking their banks, causing devastation to property and loss of life. The rivers, thus, need channelization and therefore, extraction of sand through mining is expedient. The haphazard mining of sand being practiced now for long, through unregulated, uncontrolled and illegal way added almost an irreversible damage to the environment, which became a cause of serious concern to everyone. Though sand is a very important mineral source for development, its mining through scientific methods has also become imperative. It is for this purpose that this District Survey Report being compiled so that all its aspects are taken care of justifiably. This endeavour will result in protecting the environment and removing all adverse impacts of mining. The mined out area will be replenished by sand brought down by the river during monsoon.

7.0 GENERAL PROFILE OF DISTRICT

Shahid Bhagat Singh Nagar district, located in the eastern part of the Punjab State on the right bank of mighty river Sutlej, forms a part of the Bist-Doab region (Plate-1). Geographically, it lies between North latitudes of 30°48′45″ and 31°16′15″ and East longitudes of 75°46′00″ and 76°26′30″ covering a geographical ambience of appx. 1260 sq.km. The area is bounded by Hoshiarpur district in the north, Siwalik Hills in the northeast, Sutlej River in the south, Kapurthala district in the northwest and Jalandhar in the west. The Distance of State capital Chandigarh (Known as the most beautiful and planned city of India) from the district is appx. 92 Km.



District Map

7.1 Shaheed Bhagat Singh Nagar district (formerly Nawanshahr district) is one of the districts in the state of Punjab in North-West Republic of India. It consists of three Sub-Divisions namely Nawanshehr, Banga and Balachaur. There are three legislative seats in the district, Nawanshehr, Balachaur and Banga. They fall under the Anandpur Sahib Lok Sabha Constituency. This district has five blocks namely Aur, Nawanshahr, Balachaur, Saroya and Banga. This is the third least populous district of Punjab, after Barnala and Fatehgarh Sahib. Nawanshahr district was carved out of Hoshiarpur and Jalandhar districts of Punjab in November 7, 1995 on the auspicious occasion of birthday of Sh. Guru Nanak Dev Ji as the sixteenth district of Punjab State. Hon'ble Chief Minister, Punjab S. Parkash Singh Badal on 27/09/2008, while addressing a state level rally at Khatkar Kalan, the native village of Shahid-e-Azam Sardar Bhagat Singh on the occasion of

national level function to conclude the Birth Centenary celebrations of the great martyr made the announcement of changing the name of district from Nawanshahr to "Shahid Bhagat Singh Nagar". Notification (No. 19/7/07-LR-IV/7929) to this effect was issued on 29/09/2008. The district headquarter town Nawanshahr is said to have been built during the reign of Alaudin Khilji (1295-1316) by his Afgan Military Chief Nausher Khan. Previously it was called "Nausar" but with the passage of time, the town came to be known "The Nawanshahr". Nausher Khan had constructed five forts known as Havelis, whose remains still exist. People of this district are economically sound. Large numbers of families from the district have settled in countries like Canada, UK, and USA etc. Consequently huge remittance is being received by their kith and kin back in India which contribute to the economic development and prosperity of the district. All the towns and the villages are well connected by roads. Nawanshahr has also rail track connecting it with Jalandhar, Rahon and Jaijon. District enjoys the rare honour of being the native village of Shahid Bhagat Singh whose ancestral village Khatkar Kalan falls in it.

7.2 **Area and Population:** The Shahid Bhagat Singh Nagar district is one of the smaller districts of Punjab and is having an area of 1260 Sq. Km.'s consisting of population of 6,12,310 as per 2011 census. The land of District Shahid Bhagat Singh Nagar is fertile due to the presence of river Sutlej and irrigated through tubewells and canals except some part of the Balachaur sub-division falling in Kandi Area.

7.3 **Seismic Characterization**

The entire region falls in seismic zone IV (Zone Factor 0.24). Although no major earthquake have occurred in the area in recent years, yet tremors have been felt whenever there is an earthquake in the Himalayan foothills.

The area has fairly high seismicity with general occurrence of earthquakes of 5-6 magnitude. The area lies near the foothills of Himalayas. The great Himalayan boundary fault and several other active tectonic features lie about 100-150 km to the north-east of Hoshiarpur. A number of earthquakes of slight to moderate intensities and a few of great intensity have been located on this fault system. The records show that Hoshiarpur area came under maximum seismic intensity VII on the Modified Mercalli Scale of 1931 during the Kangra earthquake of 4th April 1905. But considering the location of number of faults in the area and their active seismic status, it is felt that more representative seismic intensity for the area would be between VII and VIII M.M. Studies made in U.S.A. and other advanced countries show that seismic intensity VIII M.M. corresponds to horizontal seismic acceleration range of 51-350 cm/sec^2 depending upon the soil or an average acceleration of 172 cm/sec^2 on consolidated foundations. Similarly seismic intensity VII M.M. corresponds to horizontal seismic acceleration range of 18-140 cm/sec^2 depending upon the soil or an average acceleration 67 cm/sec^2 on consolidated foundations.

Considering the above it is felt that for important civil engineering structure based on consolidated foundations, a provision of horizontal seismic acceleration of 10% of gravity (.10g) may be made.

8.0 LAND UTILIZATION PATTERN IN THE DISTRICT: FOREST, AGRICULTURE, HORTICULTURE, MINING ETC.

This district comprises 1,26,000 hectares (1260 sq. km) of area the detail of breakup of existing land is given in Table No. 4.

Table 4 : Existing Land Use		
Land-Use/Land Cover	**Area in hect.**	**% age to the total area**
Built-up Land	8617.77	6.84
Agricultural+ Horticulture	98384.66	78.08
Forests	12153.76	9.65
Wastelands	2586.51	2.05
Water Bodies	4257.29	3.38

Mining area, considering Satluj River Bed, is appx. 1.5 % .

It is clear from the above table that the 78 % of the area in the District is under agricultural use. Agriculture constitutes the main source of economy and most of the area is fertile and good land use management is practiced. The main canal passing through the area is Bist Doab canal, which irrigates the western part of the district.

9.0 PHYSIOGRAPHY

The subsoil of S.B.S Nagar District is part of Indo-Gangetic plain, which was formed by deposition of alluvium brought by rivers originating in Himalayas. S.B.S Nagar District falls in the Basin of Satluj River which makes the southern boundary of the district. Satluj River does not directly drain the district but indirectly receives waters draining through S.B.S Nagar District. Eastern Bein or White Bein crosses through the northern part of the district. This White Bein used to overflow during rainy season. Bist Doab Canal is a major canal serving the district within the territory of S.B.S Nagar District.

Bist Doab canal has been bifurcated into two canals namely Nawanshahr branch which runs westward and Nawanshahr branch which flows north-westward. Bist Doab Canal is a major source of irrigation in S.B.S Nagar District through various distributaries.

Physiographically, the area is bounded by NNW- SSE trending Siwalik Hills in the northeast and antecedent Sutlej River in the south, which forms the main drainage basin. A number of seasonal streams (''choes'' in local parlance) originate from the Siwalik, which drain the area during monsoon season. At times these choes bring down flash flood in sub-mountainous region, particularly in Balachaur and Saroya blocks. The deforestation carried out in the Siwalik foothill zones has further aggravated the menace of flash flood as they are causing extensive soil erosion on one hand and deposition of sand and silt in fertile fields on the other. The Sutlej River being snow fed is perennial although the flow varies considerably during the year.

10.0 RAINFALL: MONTH-WISE

The average annual rainfall during the last five years in the district is 97 cm. The rainfall in the district in general increases from the south-west towards the north-east. About 70 % of the annual normal rainfall in the district is received during the period July to September, July being the rainiest month. Some rainfall is received mostly as thunder showers in June and in association with passing western disturbances in the cold season. The variation in the rainfall from year to year in the district is appreciable. During the period 1901 to 1980, i.e. 80 years, the highest annual rainfall being 181% of the normal occurred in 1917. The lowest annual rainfall which was 55 % of the normal occurred in the year 1905. In the same period, the annual rainfall in the district was less than 80 per cent of the normal in 22 years. On an average, there are 36 rainy days (i.e. days with rainfall of 2.5

mm or more) in a year in the district. The heaviest rainfall in 24 hours recorded at any station in the district was 30 mm.

Rainfall data of last five years is as under as provided by Phagwara Drainage Division, Jalandhar.

TABLE-5, RAINFALL DATA			
YEAR 2011		**YEAR 2012**	
Month	**Rainfall (mm)**	**Month**	**Rainfall (mm)**
January	2.50	January	169.00
February	23.00	February	-
March	7.00	March	-
April	29.00	April	38.00
May	9.00	May	-
June	282.00	June	-
July	187.00	July	111.00
August	149.00	August	108.50
September	290.00	September	126.00
October	-	October	-
November	-	November	-
December	10.00	December	18.00
Total	988.50	**Total**	570.50

TABLE-6, RAINFALL DATA			
YEAR 2013		**YEAR 2014**	
Month	**Rainfall (mm)**	**Month**	**Rainfall (mm)**
January	5.50	January	52.55
February	12.40	February	41.02
March	17.00	March	59.50
April	-	April	42.00

May	14.40	May	14.00
June	394.40	June	14.00
July	297.00	July	185.02
August	400.05	August	250.00
September	135.00	September	251.50
October	34.00	October	19.00
November	-	November	-
December	9.00	December	50.00
Total	1426.75	**Total**	978.59

TABLE-7, RAINFALL DATA			
YEAR 2015		**YEAR 2016**	
Month	**Rainfall (mm)**	**Month**	**Rainfall (mm)**
January	23.00	January	13.00
February	64.00	February	10.00
March	87.06	March	69.00
April	12.02	April	Nil
May	31.50	Upto 26th April	92.00
June	62.50		
July	317.00		
August	136.25		
September	110.00		
October	36.00		
November	-		
December	-		
Total	879.33	**Total**	

10.1 Climate & Temperature

Nawanshahr district experiences a tropical, hot and semi-arid type of climate. After February, temperature begin to rise rapidly. June is generally the hottest month with the mean daily temperature at about 41˚C and the mean daily minimum at about 27˚C. Scorching dust laden winds blow on many days in the summer season and the day temperatures on individual days may reach above 45˚C. Afternoon thundershowers which occur on some days during the summer bring welcome relief though only temporarily. With the onset of monsoon by about the end of June or early in July, the day temperature drop down appreciably. But the nights continue to be a warm during the summer. Due to increase moisture in the monsoon air, the weather is often sultry and uncomfortable, in between these rains. After about mid-September when the monsoon withdraws temperatures decrease, the drop in the night temperature being rapid. January is generally the coldest month with the mean daily maximum temperature at about 19˚Cand the mean daily minimum at about 6˚C.

During the brief south-west monsoon months and for spells of a day or two in association with the passing western disturbances high humidity prevails in the district. In the rest of the year, the humidity is low. The driest part of the year is the summer season when in the afternoons the relative humidity is 30 % or less.

The skies are heavily clouded and over cast on a few days during the south-west monsoon and for spells of a day or two in association with passing western disturbances during the cold season. During the rest of the year, the skies are mostly clear or lightly clouded.

Winds are generally light in the district. In the south-west monsoon season, winds from direction, between north-east and south-east, are common but

on many days in the afternoons westerly to north-westerly winds predominate, except in the latter half of summer, when easterlies and south easterlies blow on some days.

10.2 Ground Water Quality

The ground water in the district is alkaline in nature with low to medium salinity. The chemical quality data from the shallow and deep aquifers indicate that all major cations (Ca, Mg, Na, K) and anions (CO_3, HCO_3, Cl, SO_4) are within the permissible limits set by BIS. In the western part of the district, electrical conductivity is slightly higher than 700 microsiemens/cm. While, the maximum value of 940 microsiemens/cm is reported at village Rahon. The ground water in the district is of Ca-Mg-HCO_3 type imparting temporary hardness. Since all the physical and chemical parameters are below the permissible limit prescribed by BIS the ground water in the area is suitable for drinking purposes. The suitability of groundwater for irrigation purpose is calculated by SAR and RSC values which are below 10 and 2.0 respectively in the entire district. As per USSL diagram, ground water of the district falls in medium to high salinity hazard and low sodium hazard and hence it is suitable for irrigation in all types of soil. The minor constituents such as iron, nitrate and fluoride, which are essential for plant and animal growth, are found below the permissible limit. Similarly the trace element arsenic is also found below the permissible limit.

11.0 GEOLOGY AND MINERAL WEALTH

The district area of S.B.S Nagar is part of vast North-Western Indo-Gangetic plains, which was formed by deposition of alluvium brought by rivers originating in Siwalik hills and Himalayas. S.B.S Nagar District falls in the Basin of Satluj River which makes the southern boundary of the district.

The area is covered by Quaternary alluvial deposit except in the northeastern part, where the Siwalik hills of Tertiary age are exposed. The exact depth of alluvium has not been ascertained though it varies from a few metres to over 2000 metres. In Kandi formation, covering large parts of Balachaur and Saroya blocks, boulders, gravel, pebbles and coarse sand with several layers of lenticular and fringing clay. The subsurface geology shows a marked difference between the north-eastern Kandi belt and alluvial plain in the western part of the district. The Siwalik Hills in the north-east are steeply sloping and occupy nearly 2.6 % area of the Punjab state in the districts of Gurdaspur, Hoshiarpur, SBS Nagar and Rupnagar. The elevation of this district area along Sutlej varies from 262 m to 238 m. Flow direction of the river is from east to west. The piedmont area is gently sloping and is undulating and is dissected by a number of seasonal rivulets (Choes). The sediments are mainly comprised of alluvial fine sand washed down from parent rocks in the Himalayas. Geological sequence is as under.

Recent Alluvium

Piedmont Deposits

Upper Shivalik Formation

(a) District wise detail of River or Stream and other Sand Source

Mineral wealth in the district is in form of sand, brick earth and ordinary clay. But our survey concerns only with minor mineral sand. River Sutlej is only available source for mining of sand in this district. There are many ephemeral choes in the area which flow in rainy season only and these don't have replenishable source of sand. Minable sand deposits are available in the bed of Satluj river only. Other sand sources are not available for mining.

Sand deposits are also available in agriculture land at certain depths around the Sutlej river. But these locations cannot be exploited and mined commercially being not replenishable. Details of this river are given in para 13.0 of this report.

(b) District wise availability of Sand or Gravel or Aggregate Resources

Sand (fine aggregate) minor mineral is available in the land of river bed of Satluj River passing through the district of which description has been given in the following paras.

(c) Districtwise detail of existing Mining Leases of Sand and Aggregates

Only minor mineral sand is available in the district and 12 mining leases (contract of quarries) have been given to various contractors under Punjab Minor Minerals Rules, 2013 valid upto 03.10.2016 details of which are given in para 3.0 of the report.

12.0 DRAINAGE SYSTEM WITH DESCRIPTION OF MAIN RIVERS

The drainage system plays an important role in shaping the landscape of an area due to its erosional and depositional nature. The Satluj river form the main drainage system in this district of Punjab. The other main drainage channels are Charan Drain, Rahon Drain, Rahon Wazidpur Drain, Burj Drain, Garhbadhana Drain, Phambra Drain, Barwa Drain, Simbli Drain, Langroya Drain, East Bain, Kail Nallaah, Bisla Drain and Banga Gopalpur Drain. In addition to these major drainage channels, there are numerous choes (seasonal rivulets), originating in the Siwalik hills and drain the Kandi

area. The natural gradient of the drainage channels is generally from northeast to south-west direction. In areas, where natural drainage is lacking, artificial drains have been dug up for the disposal of storm water.

Bist Doab Canal system is another drainage network in the district. Description of the main river is as under.

TABLE NO. 8, DRAINAGE SYSTEM WITH DESCRIPTION OF MAIN RIVERS			
S.No.	**Name of the River**	**Area drained (Sq. Km)**	**% Area drained in the District**
1	River Sutlej	958.86	75.73

13.0 SALIENT FEATURES OF IMPORTANT RIVERS AND STREAMS

Main river in the district is Satluj and its salient features are as under.

TABLE NO. 9, SALIENT FEATURES OF IMPORTANT RIVERS AND STREAMS				
S.No.	**Name of the River or Stream**	**Total Length in the District (Km)**	**Place of origin**	**Altitude at Origin**
1	River Sutlej	30	Mansarovar lake and passes through Rakhastal Lake in Tibet in the vicinity of Kailash Mountain Range	15,000 feet (4570 metre)

13.1 Slope of River:

Slope parameters of the river are as under.

Elevation at start point of river in district, Ror Majri = 262 m

Elevation at end point of river in district, Burj Tehal Das = 238 m

Slope = 80 cm per Km

(ϕ) = 0.1º

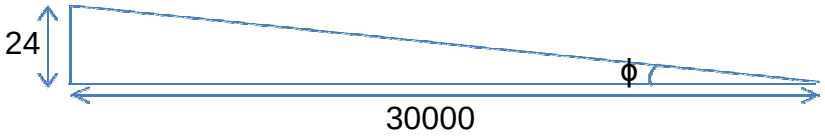


TABLE NO. 10, CATCHMENT AREA OF STREAMS OF SBS NAGAR DISTRICT

Sl. No.	Name of River/Stream	Catchment Area (Sq Km)
1	Charan Drain RD. 0-19250	35.94
2	Rohan Drain RD. 0-27500	26.83
3	Rohan Wazid pur Drain RD. 0-27800	04.24
4	Burj Drain Rd. 0-26800	04.09
5	Garhbadhana Drain RD. 0-6000	0.91
6	Phambra Drain RD. 0-39200	05.98
7	Barwa Drain RD. 0-14000	02.13
8	Simbli Drain RD. 0-12000	01.83
9	Langroya Drain RD. 0-19200	02.93
10	East Bein RD. 439200-559200	668.22
11	Kail Nallah RD. 74950-150000	135.19
12	Bisla Drain RD. 0-9000	01.37
13	Banga Gopalpur Drain RD. 0-48000	69.20
	Total	**958.86**

14.0 MINERAL POTENTIAL

A per auction rules, mining is allowed upto 3.0 m depth or upto water table, whichever comes earlier. The total potential of the river/stream bed is calculated up to the depth of one meter being shallow proximity of water table as the mining area is in bed of the river. Total potential or annual replenishment is not necessarily mineable. Mine ability depends upon the availability of approach roads, distance from the general conditions of policy viz distances from WSS Schemes, bridges etc and overall on the market demand etc. Thus keeping these factors into consideration 60% of the total potential has been taken for the purpose of exploitation of minor minerals.

14.1 Geological Condition

The river flows through the Indo Gangetic alluvium consisting of flood plains. The area is represented by admixture of mainly fine sand of flood plain. The banks are controlled by stable lands. Therefore, geotechnically, the area is represented by alluvial flood plains and valleys. The deposits belong to Recent to Sub-Recent age. Both the banks are man made Bundhs and are stable as flood plains are represented by low slopes.

14.2 Methodology for Calculation of Mineral Potential

For the calculation of total reserves of minor minerals available in the river bed, length, average width and depth of the river bed for which the exploitation is to be carried out/allowed under rule/prevailing instructions of the Govt. was taken into consideration. The volume thus obtained is multiplied with the bulk density which has been taken as 1.8 for sand minor

mineral. Thus, the reserves have been calculated up to particular datum line i.e. one meter below the existing surface of the proposed lease area.

Total reserves of minor minerals in tonnes =

Length x Width x Height Depth x Density

The total calculation of reserves of sand is done as under.

TABLE NO. 11, MINERAL POTENTIAL OF SATLUJ RIVER BED PORTION FALLING IN SBS NAGAR DISTRICT

Total Length of River	=	30 Km
Average Width of River	=	600 metre
Density	=	1.8 t/m^3
Thickness of Deposit	=	1.0 metre
General slope	=	0.05º
Total catchments area	=	959 Sq Km
General Flow Direction	=	E - W
Total Potential of sand available in river bed	=	3,24,00,000 tonnes
Total Minable Mineral Potential	=	1,94,40,000 tonnes

Boulder and bajri are not available in the district

14.3 Grading & Properties of Minor Mineral Sand

Samples of minor mineral sand have been collected from various quarries of the district and tests have been carried out as per IS:383. Results of these tests are given at Appendix-2. The test results indicate that the sand is fine and is classified under Grading Zone-IV of the BIS. Grain size analysis curves of some of the samples are shown at Annexure-3. Fineness Modulus (FM) varies from 1.2 to 1.8. Coal, lignite, shale and clay lumps are absent. Total percentage of deleterious materials is mostly below 5%. The sand also does not contain harmful organic impurities when tested in accordance with IS:2386 (Part II).

15.0 ANNUAL DEPOSITION

For the annual replenishment of minor mineral reserve, the average annual mean depth upto which the replenishment of minor mineral takes place annually, has been taken into consideration which depends upon the annual rainfall factor and geology of the catchments area. The carrying capacity is very less right from its origin to the entrance point in Punjab area, leading to 6 to 8 cm annual deposition of the mineral.

TABLE NO. 12, ANNUAL REPLENISHMENT OF MINOR MINERAL SAND IN SATLUJ BED PORTION OF SBS NAGAR DISTRICT

Average Annual Deposition	=	7 cm
Total Length of River	=	30 Km
Average Width of River	=	600 metre
Density	=	1.8 t/m^3
Annual Replenishment	=	22,68,000 tonnes

16.0 RECOMMENDATIONS FOR MINERAL CONCESSIONS

There are total 21 sand quarries/lease areas in the district which are located in the Satluj river bed. Twelve quarries are already given on contract after obtaining Environmental Clearance from concerned quarters whose list is given at para 3.0 of this report. Validity of these contracts is upto 31.10.2016. However, area of these twelve quarries has been changed and validity of already obtained EC cannot be carried forward. One more quarry Burj Tehal Dass (HB 292) is lying vacant whose environment clearance was also obtained. Copies of EC are given at Annexure-4. Besides, 8 more quarries i.e. total 21 quarries have minable sand deposits whose areas fall in the bed of the river Sutlej. The area details of these quarries have been obtained from revenue department and the same are recommended for mineral concession as under.

TABLE-13, LIST OF NEW QUARRIES

S No.	Location	Khasra Nos.	Area Kanal-Marla
1	Arazui Darya	17//11	8-0
	Village Bramad Rail	12	8-0
	Hadbast No. 420	13	8-0
	Latitude 30º59'20"N	14	8-0
	Longitude 76º27'00"E	15	8-0
	Toposheet No. 53A/4	16	8-0
		17/1	7-12
		17/2	0-8
		18	8-0
		19	8 0
		20	8-0
		21	8-0
		22	8 0

		23	8-0
		24	8-0
		25	8-0
		18//11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16/1	2-11
		16/2	2-10
		16/3	2-10
		17	7-11
		18	7-11
		19	7-11
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25/1	2-12
		25/2	2-14
		25/3	1-3
		19//21	8-0
		22	8-0
		23	7-12
		37//11	8-0
		12	8-0
		13/1	1-7
		13/2	6-0
		13/3	0-13

		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18/1	6-18
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23/1	5-11
		23/2	2-9
		24	8-0
		25	8-0
		38//11	7-12
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	7-12
		21/1	4-0
		21/2	4-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		39//11	8-0

		12/1	4-0
		12/2	4-0
		13	8-0
		14/1	4-4
		14/2	3-16
		15	3-16
		16	8-0
		17	8 0
		18	8-0
		19/1	4-0
		19/2	4-0
		20	8-0
		21	7-4
		22/1	4-0
		22/2	4 0
		23	8 0
		24/1	2-0
		24/2	6 0
		25	8-0
		40//11	8-0
		12	8-0
		13/1	4 0
		13/2	1-12
		13/3	2 8
		15/2	3-0
		16/2	3 0
		18/1	4-0
		18/2	4-0
		19	8-0
		20	8-0

		21	8-0
		22	8-0
		23	8-0
		24/1	3-16
		25/2	2 17
		41//1	8-0
		9/1	1-11
		9/2	3-0
		9/3	3-0
		10/1	2-13
		10/2	5-7
		11	8-0
		12/1	4-0
		12/2	4-0
		13/1	3-8
		13/2	4-0
		14/1	4-0
		14/2	4-0
		15/1	4-0
		15/2	4-0
		16/1	4-0
		16/2	4-0
		17/1	4-0
		17/2	4-0
		18/1	4-0
		18/2	3-12
		19/1	4-0
		19/2	4-0
		20	8-0
		21	8-0

		22/1	4-0
		22/2	4-0
		23/1	3-12
		23/2	4-0
		24/1	4-0
		24/2	4 0
		25/1	4 0
		25/2	4-0
		42//1	8-0
		2	8-0
		3	6-12
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8/1	0-10
		8/2	0-2
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	4-0
		14	8-0
		15/1	6-13
		15/2	1-7
		16	8-0
		17	8-0
		18/1	2-10
		18/2	5-2
		19	8-0

		20	8-0
		21	8-0
		22	8-0
		23	7-12
		24	8-0
		25	8-0
		43//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8/1	6-0
		8/2	2-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14/1	5-9
		14/2	2-11
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0

		22	8-0
		23	8-0
		24	8-0
		25	8-0
		44//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19/1	7-13
		19/2	0-7
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0

		45//1/1	0-13
		1/2	7-7
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22/1	4-13
		22/2	3-7
		23	8-0
		24	8-0
		25	8-0
		46//1/1	4-0
		1/2	4-0
		2	8-0

		3/1	2 12
		3/2	3-12
		3/3	1 16
		4/1	2 12
		4/2	5 8
		5	8-0
		6	8 0
		7/1	5 8
		7/2	2 12
		8/1	5-8
		8/2	2 12
		9	8-0
		10/1	4-0
		10/2	4-0
		11/1	4-0
		12	8 0
		13	8-0
		14/1	2 12
		14/2	5 8
		15	8 0
		16	8 0
		17/1	5 8
		17/2	2 12
		18	8-0
		19/1	0 8
		19/2	7 12
		20/1	0 8
		20/2	7 12
		21	8 0

		22/2	8 0
		23	8 0
		24	8 0
		25/1	7 12
		25/2	0-8
		47//14	8-0
		15	8-0
		16	8-0
		17	8-0
		18/1	0-8
		18/2	7-12
		19/1	3-0
		19/2	5 0
		20/1	4-0
		20/2	3-12
		21/1	3-12
		21/2	4-0
		22	8 0
		23	8-0
		24	8-0
		25	8-0
		50//1/1	3-12
		1/2	4-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0

		9	8 0
		10/1	4-0
		10/2	3-12
		51//1	8-0
		2	8-0
		3/1	7-16
		3/2	0-4
		4/1	0-4
		4/2	7-16
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		52//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		53//1	8-0
		2/1	6-9
		2/2	1-11
		3/1	7-8
		3/2	0-12

		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8/1	5-0
		8/2	3-0
		9	8-0
		10	8-0
		54//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		55//1/1	6-9
		1/2	1-11
		2	8-0
		3	7-12
		4/1	2-0
		4/2	6-0
		5/1	2-0
		5/2	5-17
		6	8-0
		7	8-0
		8	7-12
		9	8-0

		10/1	1-11
		10/2	2-18
		56//1	8-0
		3/2	4-0
		4/1	4-0
		4/2	4-0
		5/1	4-0
		5/2	4-0
		6/1	4-0
		6/2	4-0
		7/1	4-0
		7/2	1-13
		7/3	4-0
		8/1	4-0
		10	8-0
		11	8-0
		13/1	3-8
		13/2	3-16
		14/1	3-16
		14/2	3-16
		15/1	4-0
		15/2	4-0
		20	8-0
		21	8-0
		57//1	8-0
		2	8-0
		3	8-0
		4/1	4--0
		4/2	4-0
		5/1	2-0

		5/2	2-18
		5/3	3-0
		6/1	3-0
		6/2	3 0
		6/3	2-0
		7/1	4-0
		7/2	4-0
		8	8-0
		9	8-0
		10	8-0
		11/1	4-0
		11/2	4-0
		12	8-0
		13/1	4-9
		13/2	0-13
		14/1	4-0
		14/2	4-0
		15/1	2-0
		15/2	3-0
		15/3	3-0
		58//1	8-0
		2/1	3-8
		2/2	3-16
		3	7-11
		4	7-11
		5	2-11
		6	8-0
		7	8-0
		8/1	5-0
		8/2	3-0

		9/1	4-0
		9/2	4-0
		10	8-0
		11	8-0
		12/1	4-0
		12/2	4-0
		13	8-0
		14	8-0
		15	8- 0
	Total Area =	138.04 ha	340.96 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
2	Arazi Darya Baramad	18//11	4-3
	Village Tajowal	20	8-0
	Hadbast No. 421	21	6-8
	Latitude 30º59'10"N	19//11	8-0
	Longitude 76º24'00"E	12	7-18
	Survey of India	13	6-0
	Toposheet No. 53A8	14	5-11
		15	4-11
		16	8-0
		17	8-0
		18	7-19
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0

		25	8-0
		20//12/1	3-8
		12/2	4-12
		13	8-0
		14/1	4-0
		14/2	4-0
		16	8-0
		17	8-0
		18/8/2	4-0
		19	8-0
		23	8-0
		24	8-0
		25	8-0
		40//6/1	4-4
		6/2	3-16
		13/2	[3-2
		13/3	[2-9
		14	7-4
		15/1	3-2
		15/2	4-[9
		16	8-0
		17	7-12
		18/1	5-7
		18/2	2-13
		19/1	4-0
		19/2	4-0
		21	8-0
		22	7-11
		23	7-4
		24/1	5-13

		24/2	2-7
		25/1	4-0
		25/2	4-0
		41//1	2-19
		2	8-0
		3/1	3-12
		3/2	4-0
		4	8-0
		5	6-16
		6	6-16
		7	8-0
		8	8-0
		9	8-0
		10/2	4-13
		11/1	0-17
		11/2	6 15
		12/1	4-0
		12/2	4-0
		13	3-0
		14	8-0
		15	6-16
		16	6-16
		17/1	4 0
		17/2	4 -0
		18	6-8
		19	8-0
		20/2	6-11
		21	7-12
		22	8-0
		23	8-0

		24	8-0
		25	6-16
		42//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		7	8-0
		8	4-0
		9	7-12
		10	7-11
		11	8-0
		12	7-11
		13	7-12
		14	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		44//1	4-13
		48//1	7-4
		2	7-11
		3	8-0
		4	8-0
		5	6-16
		49//1/2	6 2
		2	7-15

		3/2	4-0
		4	8-0
		5	8-0
		6	7-11
		7	7-19
		8	8-0
		9	8-0
		12	6-13
		13	6-11
		14	6-9
		15	6-9
		44//1	4-13
		48//1	7-4
		2	7-11
		3	8-0
		4	8-0
		5	6-16
		49//1/2	6 2
		2	7-15
		3/2	4-0
		4	8-0
		5	8-0
		6	7-11
		7	7-19
		8	8-0
		9	8-0
		12	6-13
		13	6-11
		14	6-9
		15	6-9
	Total	38.95 ha	96.23 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
3	Arazi Darya Baramad	21min	45-19
	Village Paragpur	21min	79-19
	Hadbast No. 438	100/22mir	10-0
	Latitude 31º00'02"N	101/23mir	52-0
	Longitude 76º21'00"E	106/24mir	30-0
	Survey of India		
	Toposheet No. 53A8	106/24mir	64-0
	Total Area =	11.38 ha	28.11 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
4	Village Dugri	9//16	8-0
	Hadbast No. 452	17/1	2-4
	Latitude 31º00'50"N	17/2	5-16
	Longitude 76º18'00'E	18	8-0
	Survey of India	23	8-0
	Toposheet No. 53A8	24/1min	2-4
		24/2	6-0
		25/1	6-0
		25/2	2-0
		10//16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0

		24	8-0
		25	8-0
		11//19	8-0
		20	7-4
		21	7-4
		22	8-0
		23	8-0
		16//1	7-4
		2	8-0
		3	8-0
		4	8-0
		7	8-0
		8	8-0
		9	8-0
		10	7-4
		11	7-4
		12	8-0
		13	8-0
		14	8-0
		17	8-0
		18	8-0
		19	8-0
		20	5-4
		21	7-1
		22	6-0
		23	4-0
		24	3-9
		17//1	8-0
		2	8-0
		3	8-0

		4	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		17	8-0
		18	8-0
		19min	4-0
		19min	4-0
		20min	4-0
		20min	4-0
		21/2	5-4
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		18//3min	2-0
		18//3min	6-0
		4min	2-0
		4min	6-0
		5min	8-0
		4min	6-0
		6	8-0
		7	8-0
		8	8-0
		13	8-0

		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		23/1	3-15
		24/1	3-16
		25min	5-5
		25min	2-15
	Total Area =	29.42 ha	73.42

S No.	Location	Khasra Nos.	Area Kanal-Marla
5	Village Khoja Bet Hadbast No. 462 Latitude 31º00'10"N Longitude 76º02'45"E Survey of India Toposheet No. 53A8	25//2	4-12
		8	5-8
		9	0-6
		13	0-15
		14	6-15
		15	8-0
		16	6-4
		17	0-12
		20	5-8
	Total Area=	4.75 ha	19.86 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
6	Village Auliapur Hadbast No. 459 Latitude 31º00'50.966"N Longitude 76º15'29.324'E Survey of India Toposheet No. 53A8	11//1	7 -7
		2	7-7
		3	7-7
		4	7-7
		5/1	1-9
		5/2	6-11
		6	2-14
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	7-7
		15	0-8
		17	6-12
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	5-11
		12//2	7 7
		3	7 7
		4	7-7
		5	7-7

		6	7-7
		7	8-0
		8	8 0
		9	8 0
		11	7 0
		12	8 0
		13	8 0
		14	8 0
		15	8-0
		16	8-0
		17	8 0
		18	8 0
		19	8 0
		20	7 0
		21	7 0
		22/1	1 2
		22/2	6 17
		23	8 0
		24/1	3 8
		24/2	4-12
		25	8-0
		13//13	8 0
		14	8 0
		15	78 0
		16	8 0
		17	8 0
		18	8 0
		19	8 0
		20	8 0
		21/1	4 0

		21/2	4 0
		22	8 0
		23	8 0
		25	8 0
		18//3	4-16
		4	7-11
		5	7-11
		6	8-0
		7	8-0
		8	8-0
		9	4-18
		10	0-3
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20min	5-7
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		19//1	7-11
		2	7-11
		3	7-11
		4	7-11

		5	7-11
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11/1	4-0
		11/2	4-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
	Total Area =	40.13 ha	99.14 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
7	Village Malakpur Hadbast No. 244 Latitude 31º01'30"N Longitude 76º14'15"E Toposheet No. 53A/4	44//16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	7-4
		21	7-4
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		45//21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		46//16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0

		22	8-0
		23	8-0
		24	8-0
		25	8-0
		47//16	8-0
		17	8-0
		18	8-0
		19	7-4
		20	7-4
		21	8-0
		22	7-4
		23	8-0
		24	8-0
		25	8-0
		48//16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0

		24	8-0
		25	8-0
		49//14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	7-7
		21	2-5
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		53//1	8-0
		2	7-4
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0

		9	8-0
		10	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	7-4
		20	8-0
		23	8-0
		24	8-0
		25	8-0
		54//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0

		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		55//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0

		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		56//1	7-4
		2	8-0

		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	7-4
		11	6-8
		12	7-2
		13	7-2
		14	7-2
		15	7-2
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	7-4
		21	7-4
		22	8-0
		23	8-0
		24	8-0

		25	8-0
		60//1	7-4
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	7-4
		21	7-4

		22	8-0
		23	7-18
		24	3-16
		61//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0

		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		62//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0

		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21/1	7-17
		21/2	0-3
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		63//1	7-4
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	7-4
		10	8-0
		11	8-0
		12	7-4

		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	7-4
		23	8-0
		24/1	7-19
		24/2	0-1
		25/1	6-18
		25/2	1-2
		64//2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-14

		14	9-12
		15	8-0
		16	8-0
		17	8-4
		25	4-12
		66//1	5-4
		2/1	6/19
		3/1	4-17
		4/1	4-4
		5/1	4-14
		6	8-0
		7	8-0
		8/1	8-13
		9/1	0-4
		67//1/1	3-12
		1/2	4-8
		2/1	6-14
		2/2	0-6
		3	8-0
		4	8-0
		5	8-0
		6	8-0

		7	8-0
		8/1	7-1
		8/2	0-2
		9/1	3-14
		9/2	4-6
		69//1	7-4
		2	7-4
		3	2-4
		10	6-2
	Total Area=	111.40 ha	278.51 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
8	Village Chak Ilahi Baksh Hadbast No. 246 Latitude 31º00'40"N Longitude 76º13'10"E Survey of India Toposheet No. 53A8	19//20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		20//16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0

		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		21//21/1	7-5
		22	8-0
		23	8-0
		24	8-0
		25/1	4-14
		25/2	1-19
		22//2	8-0
		3	8-0
		6	8-0
		7	8-0
		8	8-0
		9	6-0
		10	4-9
		14	8-2
		15	8-0
		16/1	8-0
		17/1 24/1 25/1	5-7 5-15 8-10
	Total Area =	13.0 ha	32.51 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
9	Village Mandhala Hadbast No. 251 Latitude 31º00'30"N Longitude 76º1210"E Toposheet No. 53A/4	11//15	8-0
		16/1	2-0
		16/2	6-0
		17/1	3-0
		17/2	5-0
		18	8-0
		22	8-0
		23	8-0
		12//11/1	6-0
		11/2	2-0
		12	8-0
		13//1	8-0
		2	7-4
		4	8-0
		5	4-2
		6	3-16
		23	8-0
		24	8-0
		25	8-0
		15//1	8-0
		2	8-0
		8	5-6
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		19	8-0
		20	8-0

		21	8-0
		22	8-0
		16//5	8-0
		6	8-0
	Total Area =	11.0 ha	27.52 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
10	Village Behlur Khurd	9//5	7-2
	Hadbast No. 256	6	8-0
	Latitude 31º00'02"N	9	8-0
	Longitude 76º11'00"E	15	8-0
	Toposheet No. 53A/4	16	8-0
		25	8-0
		10//6	7-4
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		13	8-0
		14	8-0
		15	7-4
		16	7-4
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22/1	4-0
		22/2	4-0

			23	8-0
			24	8-0
			25	7-4
			11//2	8-0
			3	8-0
			4/1	4-0
			4/2	4-0
			5	8-0
			6	8-0
			7	8-0
			8	8--0
			9	8--0
			10	8--0
			11	8--0
			12	8--0
			13	7-19
			14	8-0
			15	8--0
			16/1	7-16
			16/2	0-4
			17	8--0
			18	7-4
			19	7-19
			20	8-0
			21	7-11
			22	7-4
			23	8-0
			24/1	6-3
			24/2	1-6
			25/1	1-4

		25/2	4-3
		25/3	2-13
		12//1	8-0
		2	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
	Total Area =	23.68 ha	59.22 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
11	Village Phool Makourhi Hadbast No. 257 Latitude 31º00'00"N Longitude 76º10'20"E Survey of India Toposheet No. 53A8	12//9/1	3-15
		11/2	5-9
		12/2	7-18
		13	8-0
		14	8-0
		17	8-0
		18	8-0
		19	8-0

		21	2-0
		22	7-18
		23	8-0
		24	8-0
		14//2	6-18
		3	8-0
		4	8-0
		7	8-0
		8	8-0
		9	5-18
	Total Area =	6.35 ha	15.89 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
12	Village Saidpur Khurd	6//12	8-0
	Hadbast No. 268	l3	8-0
	Latitude 30º59'45"N	14	8-0
	Longitude 76º09'48"E	15	8-0
	Toposheet No. 53A/4	16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0

		24	8-0
		25	8-0
		7//23	8-0
		24	8-0
		25	8-0
		13//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		14//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		15//1	8-0
		2	6-2
		9	7-4
		10	8-0
		11	8-0
		12	8-0
		19	9-6

		20	8-0
		21	8-0
		22	8-0
		23	8-0
		16//1	8-0
		2	7-2
		3	5-0
		8	8-0
		9	8-0
		16//10	8-0
		11	8-0
	Total Area =	20.68 ha	51.72 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
13	Village Mehdipur Hadbast No. 253 Latitude 31º01'00"N Longitude 76º09'10"E Toposheet No. 53A/4	17//21min	4-0
		18//22	8-0
		19//12/2	5-16
		13	8-0
		18	8-0
		22	8-0
		15	8-0
		16	8-0
		17	8-0
		23// 3	8-0
		8	6-16

		9 10	4-0 2-2
	Total area =	7.00 ha	17.51 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
14	Village Kanon Hadbast No. 269 Latitude 30º59'40"N Longitude 76º07'30"E Toposheet No. 53A/4	22//18 min 18 min 22min 22min 8 9 12 13 19 24//1 2 3 8 9 10 11 12 18 19 20 21 33//3	5-15 2-5 0-9 7-11 8-0 8-0 8-0 8-0 8-0 8-0 8-0 8-0 7-18 8-0 8-0 8-0 8-0 4-13 7-13 8-0 2-13 4-11

		25//2	8-0
		9	8-0
		19	8-0
		22	8-0
	Total Area =	9.06 ha	22.39 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
15	Village Bairsal	23// 5/1	1-02
	Hadbast No. 276	6	3-00
	Latitude 31º00'.20"N	15	1-08
	Longitude 76º06'.oo"E	24//1/1/1	2-01
	Toposheet No. 53A/4	1/2/1	1-10
		2/1/1	0-18
		2/2/1	2-10
		3/1/2	0-11
		6	3-18
		9	6-18
		10	8-00
		11	2-04
Total Area = 1.6 ha			4.00 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
16	Village Talwandi Sibu	19//20	8-0
	Hadbast No. 280	21	8-0
	Latitude 31º00'00"N	22	8-0
	Longitude 76º04'10"E	23	8-0
	Survey of India	24	8-0
	Toposheet No. 53A8		

		25	8-0
		20//16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		21//21/1	7-5
		22	8-0
		23	8-0
		24	8-0
		25/1	4-14
		25/2	1-19
		22//2	8-0
		3	8-0
		6	8-0
		7	8-0
		8	8-0
		9	6-0
		10	4-9

		14	8-2
		15	8-0
		16/1	8-0
		17/1	5-7
		24/1	5-15
		25/1	8-10
	Total Area =	19.00	49.67 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
17	Village Lalewal Hadbast No. 282 Latitude 31º00'.15"N Longitude 76º03'.35"E Toposheet No. 53A/4	2/1	2-8
		2/2	5-12
		3	6-0
		4/1	2-8
		4/2	5-12
		5/1	6-18
		5/2	1-12
		6/1	1-12
		6/2	7-8
		7/1	7-12
		7/2	2-8
		8	8-0
		9/1	7-12
		9/2	2-8
		10	8-0
		11	8-0
		12/1	2-8
		12/2	5-12
		13	8-0

		14/1	2-8
		14/2	5-12
		15/1	6-8
		15/2	1-12
		16/1	1-6
		16/2	6-14
		17/1	6-12
		17/2	2-8
		18	8-0
		19/1	5-12
		19/2	2-8
		20	8-0
		21	8-0
		22/1	2-8
		22/2	4-12
		23	4-4
		24/1	0-15
		24/2	7-5
		43//1	8-0
		2	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		19	8-0
		20-	8-0
	Total Area =	12.75 ha	31.89 acr

S No.	Location	Khasra Nos.	Area Kanal-Marla
18	Village Khoja Hadbast No. 284 Latitude 31º00'.10"N Longitude 76º02'.45"E Toposheet No. 53A/4	13	6-12
		14	8-0
		15	5-2
		16	4-10
		17	8-0
		18	8-18
		22	8-0
		23	8-0
		25	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0

		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		1	8-0
		2	8-0
		3	8-0
		4	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		14	8-0
		15	8-0
		16	8-0

		17 18 22 23 24 25 2 3 4 5 6 7 8 9	8-0 8-0 8-0 8-0 8-0 8-0 5-16 8-0 8-0 8-0 8-0 8-0 8-0 2-10
	Total Area=	4.75 ha	19.86 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
19	Village Jhungian Hadbast No. 285 Latitude 31º00'.05"N Longitude 76º01'.22"E Toposheet No. 53A/4	33// 3 4 7 8 13	8-0 8-0 8-0 8-0 0-9
Total Area = 1.64 ha			4.11 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
20	Village Begowal Hadbast No. 289 Latitude 31º00'.32"'N Longitude 76º00'.30"'E Toposheet No. 53A/4	40//1	8-0
		2	8-0
		3	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		41//1	8-0
		2	8-0
		3	8-0

		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0

		42//3	9-6
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	9-2
		13	9-2
		14	8-0
		15	8-0
		16	8-0
		17	8-0
		18	8-10
		23	8-0
		24	8-0
		25	8-0
		43//3	7-12
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	7-4
		13	6-16

		14	8-0
		15	8-0
		16	5-13
		17	4-2
		18	1-4
		44//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	6-16
		6	6-16
		7	8-0
		8	8-0
		9	8-0
		11	8-0
		12	6-0
		13	8-0
		14	8-0
		15	6-16
		16	6-16
		17	8-0
		18	8-0

		19	9-0
		20	7-7
		23	2-11
		24	4-2
		25	4-9
		45//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		16	8-0
		17	8-0
		18	8-0

		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	8-0
		46//9	8-0
		10	8-0
		11	8-0
		12	8-0
		13	8-0
		14	8-0
		16	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0

		25	8-0
		47//11	8-0
		12	8-0
		13	8-0
		14	8-0
		15	7-12
		16	7-8
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0
		24	8-0
		25	6-18
		48//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	6-6
		7	8-0

		8	8-0
		9	7-7
		10	6-0
		13	6-12
		14	8-0
		15	5-2
		16	4-10
		17	8-0
		18	8-18
		22	3-2
		23	8-0
		24	8-0
		25	3-18
		49//1	6-7
		2	7-18
		3	8-0
		4	8-0
		5	8-0
		6	4-11
		7	3-0
		8	1-9
		50//3	2-18

		4	3-11
		5	4-18
		51//2	5-6
		3	8-0
		4	8-0
		5	3-6
		8	9-9
		9	9-0
	Total Area =	68.80 ha	172.01 acre

S No.	Location	Khasra Nos.	Area Kanal-Marla
21	Village Burj Tehal Dass Hadbast No. 292 Latitude 31º00'44.05"N Longitude 75º58'41.52'E Survey of India Toposheet No. H43 D16	48//11	8-0
		12	8-0
		13	8-0
		14	8-0
		17	8-0
		18	8-0
		19	8-0
		20	8-0
		21	8-0
		22	8-0
		23	8-0

		24	8-0
		49//1	8-0
		2	8-0
		3	8-0
		4	8-0
		5	8-0
		6	8-0
		7	8-0
		8	8-0
		9	8-0
		10	8-0
		25	8-0
		50//23	8-0
		24	8-0
		53//3	8-0
		4	8-0
		11	8-0
		20	8-0
		52//16	8-0
		17	8-0
		24	8-0
		25	8-0

		59//1	8-0
		2	8-0
		10	7-11
		60//1/2	7-11
		4/2	7-11
		5/2	7-11
		6	8-0
		7	8-0
		2/2	7-11
		3/2	7-11
		8	8-0
		9	8-0
		12/2	1-18
		61//5/1	7-11
		62//4/2	7-11
		5/2	7-11
	Total Area =	19.05 ha	47.64 acre

LOCATION PLAN

PLATE NO. 1

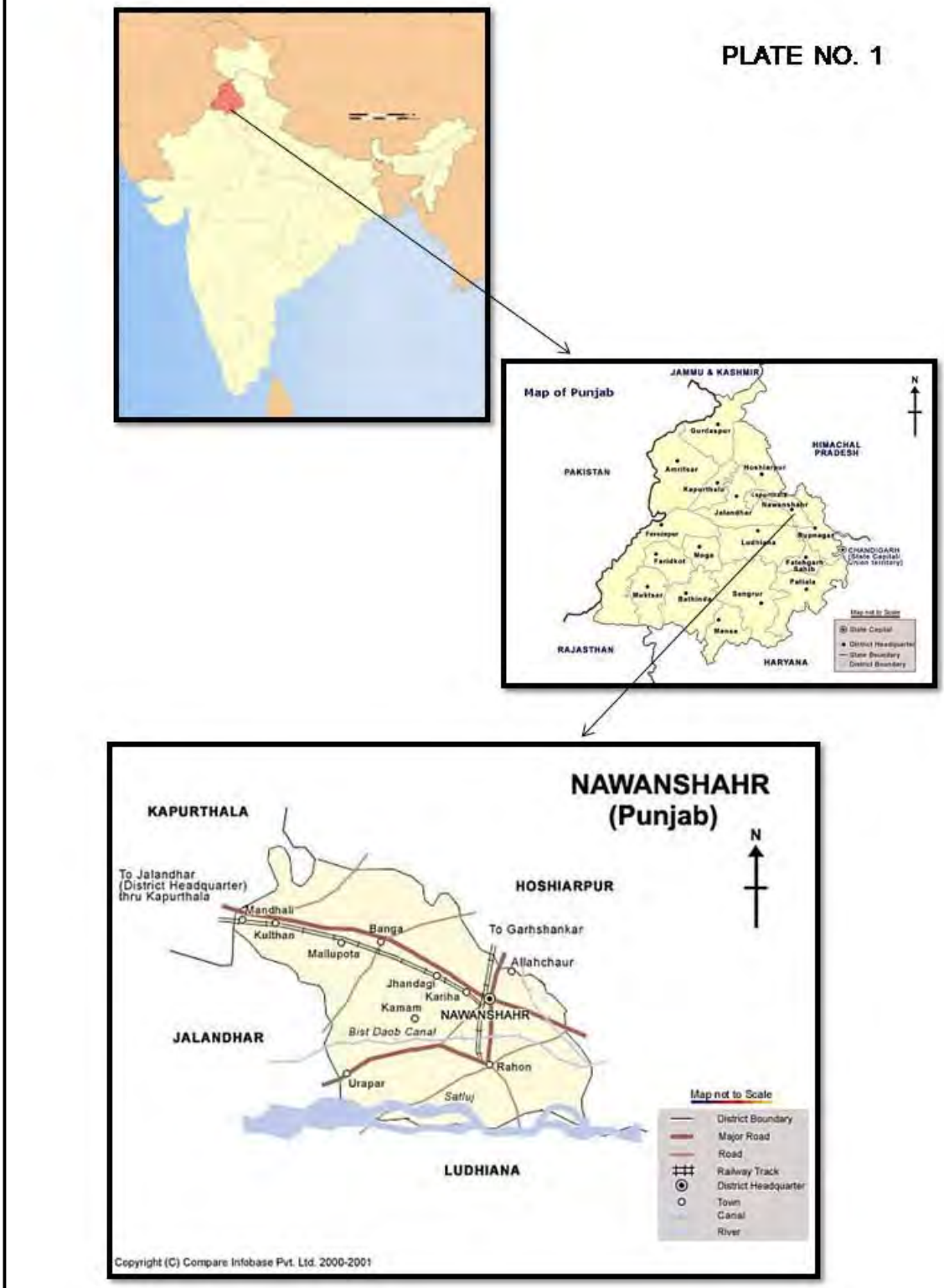


PLATE NO. 2

KEY PLAN

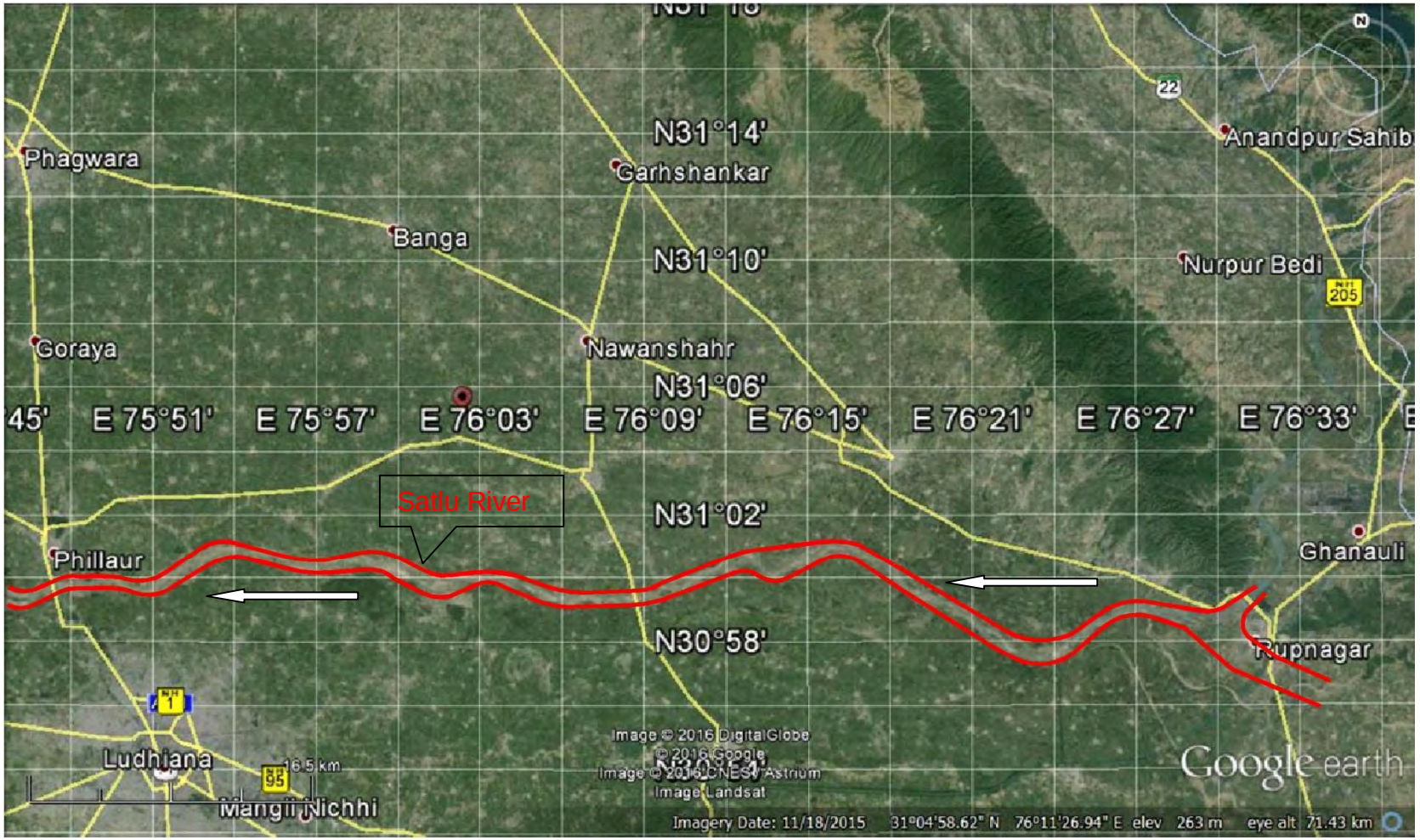
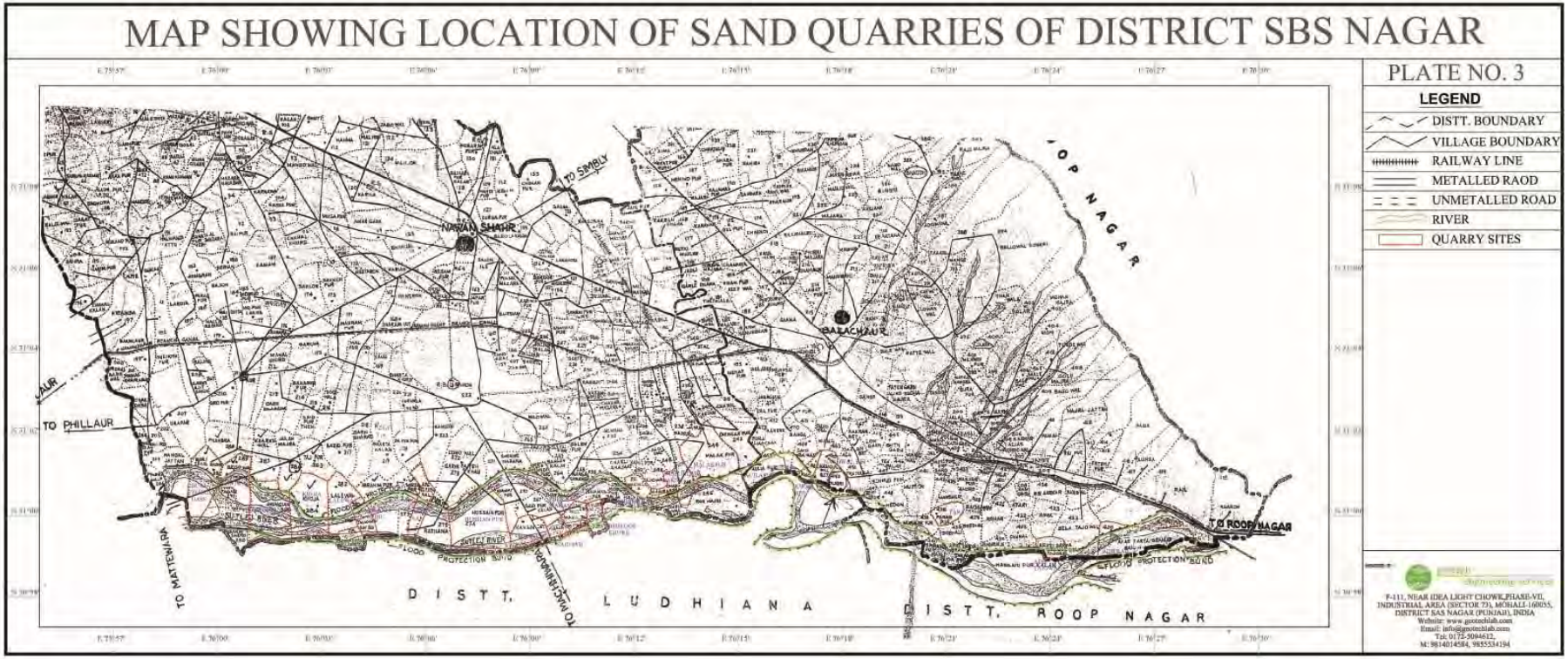


PLATE-3, MAP SHOWING LOCATION OF QUARRIES



ANNEXURE-1

SITE PHOTOS OF QUARRIES/LEASE AREAS

Bairsal Quarry

Begowal Quarry

Behloor Kalan

Baramad Rail

Burj Tehal Dass Quarry

Jhugian Quarry

Khoja Quarry

Lalewal Quarry

Madala Quarry

Mehdipur Quarry

Malakpur Quarry

Saidpur Quarry

ANNEXURE-2

SIEVE ANALYSIS RESULTS OF SAND SAMPLES FROM VARIOUS QUARRIES

Sieve Analysis result of Minor Mineral Sand Quarry: Kanon		
IS Sieve Size (mm)	**Fine Aggregate % retained**	**Fine Aggregate % passing**
10	0	100
4.75	0	100
2.36	0	100
1.18	0	100
0.600	1.2	98.8
0.300	80.7	19.3
0.150	98.7	1.3
	FM =	**1.81**
CONCLUSION: Sand conform to Grading Zone-IV (Table 4 of IS:383)		

Sieve Analysis result of Minor Mineral Sand Quarry: Bairsal		
IS Sieve Size (mm)	**Fine Aggregate % retained**	**Fine Aggregate % passing**
10	0	100
4.75	0	100
2.36	0	100
1.18	0	100
0.600	2.2	97.8
0.300	32.6	67.4
0.150	86.8	13.2
	FM =	**1.22**
CONCLUSION: Sand conform to Grading Zone-IV (Table 4 of IS:383)		

Sieve Analysis result of Minor Mineral Sand Quarry: Begowal		
IS Sieve Size (mm)	**Fine Aggregate % retained**	**Fine Aggregate % passing**
10	0	100
4.75	0	100
2.36	0	100
1.18	0	100
0.600	0	100
0.300	46.7	53.3
0.150	95.2	4.8
	FM =	**1.42**
CONCLUSION: Sand conform to Grading Zone-IV (Table 4 of IS:383)		

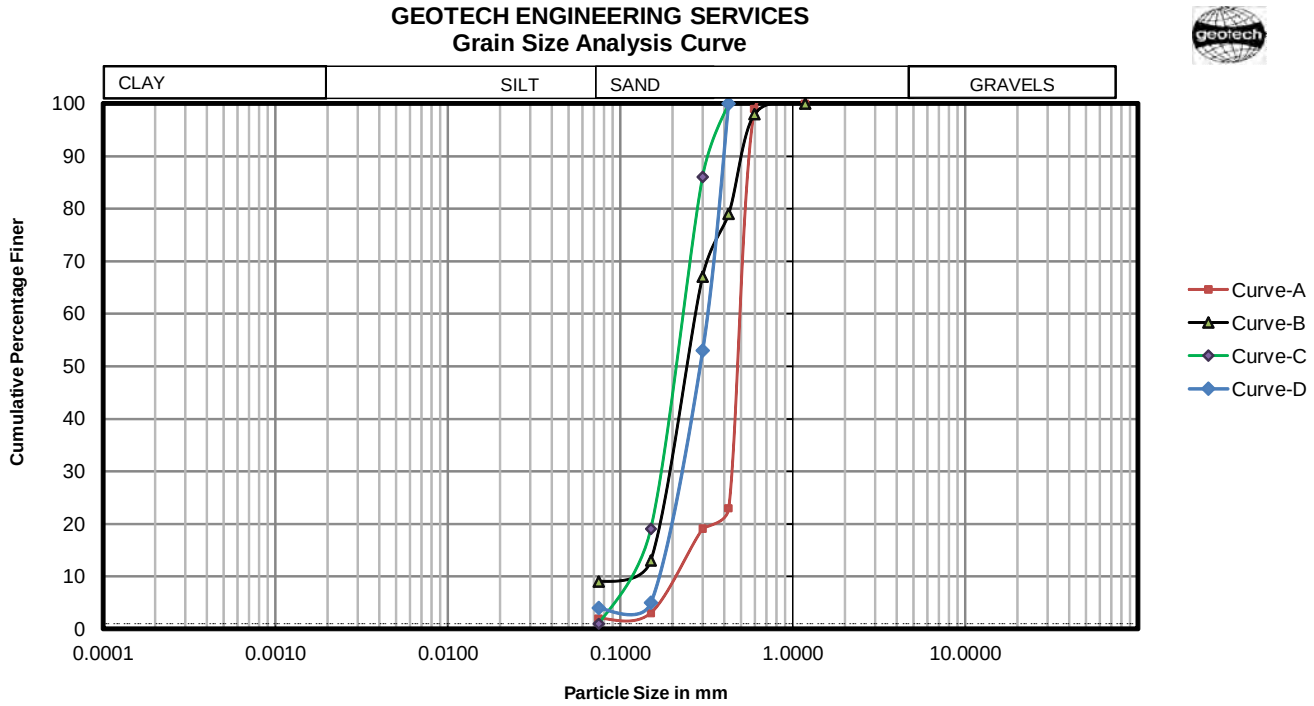
Sieve Analysis result of Minor Mineral Sand Quarry: Jhungian		
IS Sieve Size (mm)	**Fine Aggregate % retained**	**Fine Aggregate % passing**
10	0	100
4.75	0	100
2.36	0	100
1.18	0	100
0.600	1.2	98.8
0.300	80.7	19.3
0.150	98.7	1.3
	FM =	**1.81**
CONCLUSION: Sand conform to Grading Zone-IV (Table 4 of IS:383)		

Sieve Analysis result of Minor Mineral Sand Quarry: Mandhala		
IS Sieve Size (mm)	**Fine Aggregate % retained**	**Fine Aggregate % passing**
10	0	100
4.75	0	100
2.36	0	100
1.18	0	100
0.600	2.5	97.5
0.300	46.4	53.6
0.150	96.8	3.2
	FM =	**1.46**
CONCLUSION: Sand conform to Grading Zone-IV (Table 4 of IS:383)		

Sieve Analysis result of Minor Mineral Sand Quarry: Mehdipur		
IS Sieve Size (mm)	**Fine Aggregate % retained**	**Fine Aggregate % passing**
10	0	100
4.75	0	100
2.36	0	100
1.18	2.1	97.9
0.600	4.7	95.3
0.300	73.5	26.5
0.150	96.4	3.6
	FM =	**1.77**
CONCLUSION: Sand conform to Grading Zone-IV (Table 4 of IS:383)		

ANNEXURE-3

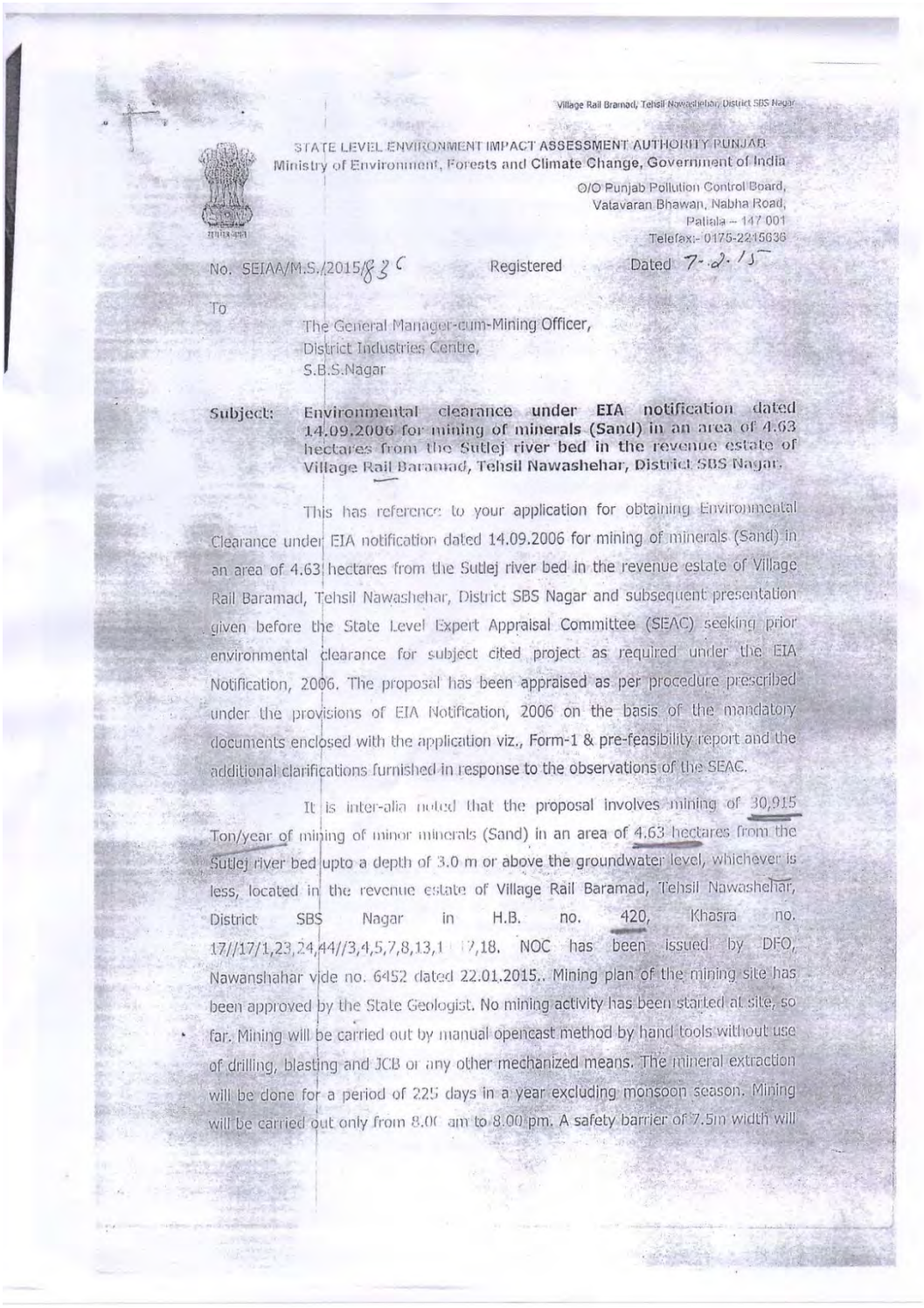
TYPICAL GRAIN SIZE ANALYSIS CURVES OF SAND SAMPLES



Curve No.	Quarry	IS Classification	Gravels %	Sand %	Silt %	Clay %	$f_{10\%}$ mm	$f_{30\%}$ mm	$f_{60\%}$ mm	Coeff. of Uniformity, Cu =	Coeff. of Curvature Cc = $D_{30}^2/(D_{60}*D_{10})$	Liquid Limit, W_L (%)	Plastic Limit, W_P (%)	Plasticity Index, Ip	Remarks
Curve A	Kanon	SP		98	2		0.200	0.350	0.500	2.500	1.225		NP		
Curve B	Bairsal	SP		91	9		0.150	0.200	0.280	1.867	0.952		NP		
Curve C	Jhungian	SP		99	1		0.130	0.180	0.240	1.846	1.038		NP		
Curve D	Begowal	SP		96	4		0.180	0.240	0.330	1.833	0.970		NP		

ANNEXURE-4

COPIES OF ENVIRONMENT CLEARANCE OF 13 QUARRIES



Village Rail Bramad, Tehsil Nawashehar, District SBS Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forests and Climate Change, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/836 Registered Dated 7.2.15

To

The General Manager-cum-Mining Officer,
District Industries Centre,
S.B.S.Nagar

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.63 hectares from the Sutlej river bed in the revenue estate of Village Rail Baramad, Tehsil Nawashehar, District SBS Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.63 hectares from the Sutlej river bed in the revenue estate of Village Rail Baramad, Tehsil Nawashehar, District SBS Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of 30,915 Ton/year of mining of minor minerals (Sand) in an area of 4.63 hectares from the Sutlej river bed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Rail Baramad, Tehsil Nawashehar, District SBS Nagar in H.B. no. 420, Khasra no. 17//17/1,23,24,44//3,4,5,7,8,13,1 7,18. NOC has been issued by DFO, Nawanshahar vide no. 6452 dated 22.01.2015.. Mining plan of the mining site has been approved by the State Geologist. No mining activity has been started at site, so far. Mining will be carried out by manual opencast method by hand tools without use of drilling, blasting and JCB or any other mechanized means. The mineral extraction will be done for a period of 225 days in a year excluding monsoon season. Mining will be carried out only from 8.00 am to 8.00 pm. A safety barrier of 7.5m width will

be left intact around the mine lease boundary. Mining will be restricted minimum 3 m away (inward) from the active channel bank and stream. Plantation will be carried out on safety barrier to develop a green belt. No waste will be generated as the entire sand is saleable and will be utilized. About 10-15 tonne capacity tippers will be required for sand transportation. Only 1.38 KLD of water will be used for various purposes which will be taken from nearby village through tanker. Rs.2,08,000/- per annum will be incurred for implementation of EMP.

The case was considered by the SEAC in its 107th meeting held on 21.01.2015 wherein, after detailed deliberations, the Committee observed that the project proponent has provided adequate and satisfactory clarifications of the observations raised by it. Therefore, the Committee decided to forward the case to the SEIAA with the recommendation to grant Environmental Clearance to the General Manager-cum-Mining Officer.

Thereafter, the case was considered by the SEIAA in its 78th meeting held on 03.02.2014 wherein, the Authority decided to grant environmental clearance for carrying out mining of minor minerals (Sand) @ 30,915 Ton/year in an area of 4.63 hectares from the Sutlej river bed in the revenue estate of Village Rail Baramad, Tehsil Nawashehar, District SBS Nagar bearing H.B. no. 420, Khasra no. 17//17/1, (3-12), 23 (8-0), 24 (8-0), 44//3 (8-0), 4, (8-0) 5, (8-0) 7, (8-0) 8, (8-0) 13 (8-0), 14, (8-0) 17, (8-0) 18 (8-0), subject to the conditions, in addition to the proposed measures.. Accordingly, SEIAA, Punjab hereby accords necessary environmental clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to strict compliance of terms and conditions as follows:

A. Specific conditions:

(i) The environmental clearance will be valid for a period of five years from the date of issuance, as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the above said location and khasra numbers.

(ii) Mining shall be as per the approved Development/Mining Plan prepared for this project and as per the Mines & Mineral (Development & Regulation) Act, 1957 and rules framed thereunder as amended from time to time, other Acts/rules related with mining of minor minerals.

(iii) The Mining Officer shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board and effectively implement all the conditions stipulated therein.

(iv) The Mining Officer shall observe the mining site after every 15 days and in case, a Schedule-I or Schedule-II species as per Wildlife Act or any

Village Malakpur, Tehsil Nawanshahr, District S.B.S. Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB

Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/297 Dated 9.2.15

To

The General Manager-cum-Mining Officer,
District Industries Centre,
Nawanshahar, SBS Nagar.

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.41 hectares in the revenue estate of Village Malakpur, Tehsil Nawanshahr, District S.B.S. Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.41 hectares in the revenue estate of Village Malakpur, Tehsil Nawanshahr, District S.B.S. Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of 29,430 Ton/year of minerals (Sand/Gravel) in an area of 4.41 hectares from the riverbed of Sutlej upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Malakpur, Tehsil Nawanshahr, District S.B.S. Nagar in H.B. no. 244, Khasra no.: 63/12, 13, 17, 18, 19, 55//4, 5, 6, 7, 8, 9. NOC has been issued by DFO, Nawanshahar vide no. 6358 dated 19/1/2015. Mining plan of the mining site has been approved by the State Geologist. No mining activity has been started at site, so far. Mining will be carried out by manual opencast method by hand tools without use of drilling, blasting and JCB or any other mechanized means.

Village Behlour Khurd, Tehsil Nawanshahar, District S.B.S. Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forests and Climate Change, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/ 545 Registered Dated 4.2.15

To

The General Manager-cum-Mining Officer,
District Industries Centre,
Nawa Shehar,
S.B.S Nagar

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 3.982 hectares from the Satluj river bed in the revenue estate of Village Behlour Khurd, Tehsil Nawanshahar, District S.B.S. Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 3.982 hectares from the Satluj river bed in the revenue estate of Village Behlour Khurd, Tehsil Nawanshahar, District S.B.S. Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of 26,568 Ton/year of mining of minor minerals (Sand/Garvel) will be carried out in an area of 3.982 hectares from the riverbed of Sutlej upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Behlour Khurd, Tehsil Nawanshahar, District S.B.S. Nagar in H.B. no. 256, Khasra no.: 10//5 min 5min, 6, 7, 14, 15, 11//16/1, 12//9, 10, 16//20, 22//2. NOC has been issued by DFO, Nawanshahar vide no. 6358 dated 19.01.2015. Mining plan of the mining site has been approved by the State Geologist. No mining activity has been started at site, so far. Mining will be carried out by manual opencast method by hand tools without use of drilling, blasting and JCB or any other mechanized

Village Saidpur Khurd, Tehsil Nawanshahar, District S.B.S. Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forests and Climate Change, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala - 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/769 Registered Dated 7.2.15

To

The General Manager-cum-Mining Officer,
District Industries Centre,
S.B.S.Nagar

Subject: Environmental clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.69 hectares from the Sutlej river bed in the revenue estate of Village Saidpur Khurd, Tehsil Nawanshahar, District S.B.S. Nagar.

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.69 hectares from the Sutlej river bed in the revenue estate of Village Saidpur Khurd, Tehsil Nawanshahar, District S.B.S. Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-I & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of 31,320 Ton/year of mining of minor minerals (Sand) in an area of 4.69 hectares from the Sutlej riverbed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Saidpur Khurd, Tehsil Nawanshahar, District S.B.S. Nagar in H.B. no. 268, Khasra no.: 7//23, 24, 25, 15//1, 2, 9, 10, 11, 12, 19, 16//1, 2. NOC has been issued by DFO, Nawanshahar vide no. 6358 dated 19.01.2015. Mining plan of the mining site has been

25

Village Kanoun, Tehsil Nawanshahr, District S.B.S. Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
PUNJAB
Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/ Dated

To

Sh. Paramjit Singh S/o Sh. Baldev Singh,
Village Parol, District SAS Nagar.

Subject: **Regarding transfer of environmental clearance granted under EIA notification dated 14.09.2006 to General Manager-cum-Mining Officer, SBS Nagar for mining of minor minerals in the revenue estate of Village Kanoun, Tehsil Nawanshahr, District S.B.S. Nagar in the name of Sh. Paramjit Singh S/o Sh. Baldev Singh, r/o Village Parol, District SAS Nagar.**

This has reference to General Manager-cum-Mining Officer, District Industries Centre, SBS Nagar letter no. 261 dated 08.02.2015, on the subject cited above.

As decided by the SEIAA in its 79th meeting held on 09.02.2015, the environmental clearance granted to the General Manager- Cum-Mining Officer, SBS Nagar, vide no. 858 dated 07.02.2015 for carrying out mining of minor minerals (Sand) @ 29,295 Ton/year in an area of 4.391 hectares (H.B. no. 269, Khasra no.: 24//1 (8-0), 2 (8-0), 3 (3-8), 8 (7-18), 9 (8-0), 10 (8-0), 11(8-0), 12(8-0), 18 (4-13), 19(7-13), 20(8-0), 21(2-13), 33/13(4-11)) from the Sutlej river bed in the revenue estate of Village Kanoun, Tehsil Nawanshahr, District S.B.S. Nagar, is hereby transferred in the name of contractor i.e. Sh. Paramjit Singh S/o Sh. Baldev Singh, r/o Village Parol, District SAS Nagar, for a period upto **31.10.2016** (validity period of the contract) subject to the same conditions as mentioned in the environmental clearance.

This letter must remain appended with the original letter no. 858 dated 07.02.2015 vide which environmental clearance has been granted to the General Manager-cum-Mining Officer.

Sd/-
Member Secretary (SEIAA)

Village Lalewal, Tehsil Nawanshahr, District S.B.S. Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB

Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/308 Dated 2.2.15

To

The General Manager-cum-Mining Officer,
District Industries Centre,
Nawanshahar, SBS Nagar.

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 3.23 hectares in the revenue estate of Village Lalewal, Tehsil Nawanshahr, District S.B.S. Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 3.23 hectares in the revenue estate of Village Lalewal, Tehsil Nawanshahr, District S.B.S. Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of 21,600 Ton/year of minerals (Sand/Garvel) in an area of 3.23 hectares from the riverbed of Sutlej upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Lalewal, Tehsil Nawanshahr, District S.B.S. Nagar in H.B. no. 282, Khasra no.: 42//1, 10, 11, 20, 42//12/1, 19/2, 12/2, 13, 18, 19/1. NOC has been issued by DFO, Nawanshahar vide no. 6358 dated 19/1/2015. Mining plan of the mining site has been approved by the State Geologist. No mining activity has been started at site, so far. Mining will be carried out by manual opencast method by hand tools without use of drilling, blasting and JCB or any other mechanized means. The mineral extraction will be done for a

Village Khoja, Teh. & District SBS Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forests and Climate Change, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax: 0175-2215636

No. SEIAA/M.S./2015/736 Registered Dated 7.9.15

To

The General Manager-cum-Mining Officer,
District Industries Centre,
S.B.S.Nagar

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.047 hectares from the Sutlej river bed in the revenue estate of Village Khoja, Tehsil Nawanshahr, District S.B.S. Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minerals (Sand) in an area of 4.047 hectares from the Sutlej river bed in the revenue estate of Village Khoja, Tehsil Nawanshahr, District S.B.S. Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of 27,000 Ton/year of mining of minor minerals (Sand) in an area of 4.047 hectares from the Sutlej riverbed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Khoja, Tehsil Nawanshahr, District S.B.S. Nagar in H.B. no. 284, Khasra no.: 51//5, 6, 13, 52//1, 2, 9, 10, 11, 20, 21. NOC has been issued by DFO. Nawanshahar vide no. 6358 dated 19.01.2015. Mining plan of the mining site has been approved by the State Geologist. No mining activity has been started at site, so far. Mining will be carried out by manual opencast method by hand tools without use of drilling, blasting and JCB or any

Village, Jhugian Tehsil Nawanshahar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
PUNJAB
Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/ Dated

To

Sh. Paramjit Singh S/o Sh. Baldev Singh,
Village Parol, District SAS Nagar.

Subject: **Regarding transfer of environmental clearance granted under EIA notification dated 14.09.2006 to General Manager-cum-Mining Officer, SBS Nagar for mining of minor minerals in the revenue estate of Village, Jhugian, Tehsil Nawashehar, District SBS Nagar in the name of Sh. Paramjit Singh S/o Sh. Baldev Singh, r/o Village Parol, District SAS Nagar.**

This has reference to General Manager-cum-Mining Officer, District Industries Centre, SBS Nagar letter no. 267 dated 08.02.2015, on the subject cited above.

As decided by the SEIAA in its 79th meeting held on 09.02.2015, the environmental clearance granted to the General Manager- Cum-Mining Officer, SBS Nagar, vide no. 747 dated 07.02.2015 for carrying out mining of minor minerals (Sand/gravel) @ 13,635 Ton/year in an area of 2.044 hectares from the Sutlej river bed in the revenue estate of Village Jhugian, Tehsil Nawashehar, District SBS Nagar, bearing H.B. no. 285, Khasra no. 33/3 (8-0), 4 (8-0), 7 (8-0), 8 (8-0), 13 (0-9), is hereby transferred in the name of contractor i.e. Sh. Paramjit Singh S/o Sh. Baldev Singh, r/o Village Parol, District SAS Nagar, for a period upto **31.10.2016** (validity period of the contract) subject to the same conditions as mentioned in the environmental clearance.

This letter must remain appended with the original letter no. 747 dated 07.02.2015 vide which environmental clearance has been granted to the General Manager-cum-Mining Officer.

Sd/-
Member Secretary (SEIAA)

Village Mandhala, Tehsil Nawashehar, District SBS Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forests and Climate Change, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/1464 Registered Dated 17.8.15

To

The General Manager-cum-Mining Officer,
District Industries Centre,
SBS Nagar.

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (sand) in the revenue estate of Village Mandhala, Tehsil Nawashehar, District SBS Nagar of General Manager cum Mining Officer, District Industries Centre, SBS Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand/Gravel) @ 21,060 Ton/year in an area of 3.157 hectares from the Sutlej river bed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Mandhala, Teh Nawanshehar, District SBS Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of minor minerals (Sand/Gravel) @ 21,060 Ton/year in an area of 3.157 hectares from the Sutlej river bed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Mandhala, Teh Nawanshehar, District SBS Nagar in H.B. no. 251, Khasra no.: 16/1, 2, 9, 10, 17//4, 5, 6, 7. NOC has been issued by DFO, SBS Nagar vide no. 6452 dated 22.01.2015. Mining plan of the mining site has been approved by the State Geologist. No mining activity has been started at site, so far. Mining will be carried out by manual opencast method by hand tools without use of drilling, blasting and JCB or any other mechanized

Village Mehdipur, Tehsil Nawashehar, District SBS Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forests and Climate Change, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/1030 Dated 5-8-15

Registered

To

The General Manager-cum-Mining Officer,
District Industries Centre,
SBS Nagar.

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (sand) in the revenue estate of Village, Mehdipur, Tehsil Nawashehar, District SBS Nagar of General Manager cum Mining Officer, District Industries Centre, SBS Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) @ 29,241 Ton/year in an area of 4.383 hectares from the Sutlej river bed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Mehdipur Tehsil Nawashehar, District SBS Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of minor minerals (Sand/Gravel) @ 29,241 Ton/year in an area of 4.383 hectares from the Sutlej river bed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Mehdipur Tehsil Nawashehar, District SBS Nagar in H.B. no. 253, Khasra no.:17//21 min,18//22,19//12/2,13,18,22,15,16,17,23,//3,8,9,10. NOC has been issued by DFO, SBS Nagar vide no. 6452 dated 22.01.2015. Mining plan of the mining site has been approved by the State Geologist. Mining will be carried out by manual

Village Begowal, Tehsil Nawashehar, District SBS Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forests and Climate Change, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/ 1453 Dated 5.3.15

Registered

To

The General Manager-cum-Mining Officer,
District Industries Centre,
SBS Nagar.

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (sand) in the revenue estate of Village Begowal, Tehsil Nawashehar, District SBS Nagar of General Manager cum Mining Officer, District Industries Centre, SBS Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand/Gravel) @ 9,504 Ton/year of mining of minor minerals (Sand/Gravel) in an area of 1.42 hectares from the Sutlej river bed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Begowal, Teh Nawanshehar, District SBS Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of minor minerals (Sand/Gravel) @ 9,504 Ton/year in an area of 1.42 hectares from the Sutlej river bed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Begowal, Teh Nawanshehar, District SBS Nagar in H.B. no. 289, Khasra no.: 43//14,44//11,13,18,23. NOC has been issued by DFO, SBS Nagar vide no. 6452 dated 22.01.2015. Mining plan of the mining site has been approved by the State Geologist. No mining activity has been started at site, so far. Mining will be carried out by manual opencast method by

Village, Bairsal, Tehsil Nawanshahar, District SBS Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB
Ministry of Environment, Forests and Climate Change, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2015/ 1401 Dated 5-8-15

Registered

To

The General Manager-cum-Mining Officer,
District Industries Centre,
SBS Nagar.

Subject: **Environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals (sand) in the revenue estate of Village, Bairsal, Tehsil Nawashehar, District SBS Nagar of General Manager cum Mining Officer, District Industries Centre, SBS Nagar.**

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) 12015 Ton/year in an area of 1.72 hectare in the revenue estate of Village Bairsal, Tehsil Nawashehar, District SBS Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1 & pre-feasibility report and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of minor minerals (Sand/Gravel) @ 12,015 Ton/year in an area of 1.72 hectares from the Sutlej river bed upto a depth of 3.0 m or above the groundwater level, whichever is less, located in the revenue estate of Village Bairsal, Teh Nawanshehar, District SBS Nagar in H.B. no. 276, Khasra no.:23//5/1, 6, 15, 24//1/1/1, 1/2/1, 2/1/1, 2/2/1, 3/1/2, 6, 9, 10, 11. NOC has been issued by DFO, SBS Nagar vide no. 6452 dated 22.01.2015. Mining plan of the mining site has been approved by the State Geologist. Mining will be carried out by manual opencast method by hand tools without use of drilling, blasting and JCB or any other mechanized means. The mineral extraction will be done for a period of 225 days in a year excluding

Village Burj Tehal Dass, Tehsil Nawanshahr, District S.B.S. Nagar

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB

Ministry of Environment and Forests, Government of India
O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./2014/ Dated

To

The General Manager-cum-Mining Officer,
District Industries Centre,
S.B.S Nagar.

Subject: Environmental clearance under EIA notification dated 14.09.2006 for mining of minor minerals in the revenue estate of Village Burj Tehal Dass, Tehsil Nawanshahr, District S.B.S Nagar.

This has reference to your application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for mining of minor minerals in the revenue estate of Village Burj Tehal Dass, Tehsil Nawanshahr, District S.B.S Nagar and subsequent presentation given before the State Level Expert Appraisal Committee (SEAC) seeking prior environmental clearance for subject cited project as required under the EIA Notification, 2006. The proposal has been appraised as category B-2 in light of Office Memorandum dated 24/12/2013 of the MoEF and as per procedure prescribed under the provisions of EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, pre-feasibility report, approved mining plan and the additional clarifications furnished in response to the observations of the SEAC.

It is inter-alia noted that the proposal involves mining of 1,00,310 Ton/year of minor minerals from the bed of River Sutlej in the revenue estate of Village Burj Tehal Dass, Tehsil Nawanshahr, District S.B.S. Nagar for khasra Nos. (Hadbast no. 292): 50//14, 15, ½, 2, 6/1, 7/1, 11, 8/1, 9/1, 10, 3, 4, 5/1, 12, 13, 19, 23, 17, 18, 24, 53//3, 4, 11, 20, 52//16, 17, 24, 25, 48//12, 13, 18, 19, 23, 11, 14, 17, 20, 21, 22, 24, 49//1, 2,3 4, 5, 6, 7, 8, 9, 10, 14, 15, 16, 17, 25, 62//4/2, 5/2, 59//1, 2, 10, 60//1/2, 4/2, 5/2, 6, 7, 61//5/1, 60//2/2, 3/2, 8, 9, 12/2.

The case was considered by the SEAC in its 91st meeting held on 25.01.2014, wherein, the Environmental Consultant presented the salient features of the project before the SEAC as under:

i) About 1,00,310 Ton/year of mining of minor minerals (Sand) will be carried out in an area 21.50 Hectares in the revenue estate of Village Burj Tehal Dass, Tehsil Nawanshahr, District S.B.S. Nagar for khasra Nos. (Hadbast no. 292): 50//14, 15, ½, 2, 6/1, 7/1, 11, 8/1, 9/1, 10, 3, 4, 5/1, 12, 13, 19, 23, 17, 18, 24, 53//3, 4, 11, 20, 52//16, 17, 24, 25, 48//12, 13, 18, 19, 23, 11,