153rd (A) Meeting of State Level Expert Appraisal Committee (SEAC-1) SEAC Meeting number: 153rd A (Day-2) **Meeting Date** July 26, 2018

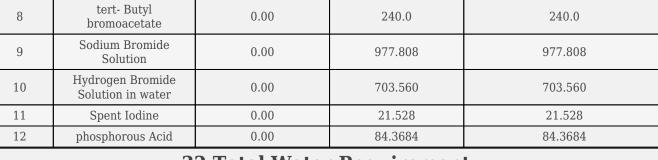
Subject: Environment Clearance for Environmental Clearance for proposed expansion of M/s. Halides Chemicals Pvt. Ltd. from 636 MT/Year to 3407.26MT/Year

Is a Violation Case: No						
1.Name of Project	M/s. Halides Chemicals Pvt. Ltd.					
2.Type of institution	Private					
3.Name of Project Proponent	Mr. Sanket .D. Nigudkar					
4.Name of Consultant	Building Environment (India) Pvt. Ltd.					
5.Type of project	Industrial Estate-Industry 5 (f) Category					
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing project					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No, As per the EIA Notification the existing project does not need Environmental Clearance					
8.Location of the project	Plot No. A-2, MIDC Kurkumbh, Taluka -Daund, Pune					
9.Taluka	Daund					
10.Village	Not Applicable					
Correspondence Name:	Mr. Sanket .D. Nigudkar					
Room Number:	Not Applicable					
Floor:	Not Applicable					
Building Name:	Neelashri					
Road/Street Name:	Off Paud Road					
Locality:	Kothrud					
City:	Pune					
11.Area of the project	Kurkumbh MIDC Area					
	No Industry has applied for revised layout					
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: No Industry has applied for revised layout					
	Approved Built-up Area: 2852.55					
13.Note on the initiated work (If applicable)	It is an already existing industry and is in operation since 1995. No activity has been initiated for the proposed expansion.					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA					
15.Total Plot Area (sq. m.)	4050.00 Sq. m.					
16.Deductions	Not applicable					
17.Net Plot area	4050.00 Sq. m.					
	a) FSI area (sq. m.): 1402.23					
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): Not Applicable					
	c) Total BUA area (sq. m.): 1402.23					
	Approved FSI area (sq. m.):					
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):					
DCK	Date of Approval:					
19.Total ground coverage (m2)	1402.23					
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	34%					
21.Estimated cost of the project	9050000					
22 Num	her of buildings & its configuration					

22.Number of buildings & its configuration

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 153rd A (Day-2) Meeting Date: July 26, 2018		Signature: Name: Dr. Umakant Gangetrao Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Serial number	Building Name & n		umber	Nu	mber of floors	Height of the building (Mtrs)			
1	Not Applicable			N	ot applicable	Not applicable			
2	Ν	lot Applicable		N	ot applicable	Not applicable			
23.Numbe tenants an		Not applicable as it is an industry							
24.Numbe expected r users	nber of ed residents / This is an industry and Total expected population shall be 50								
25.Tenant per hectar	0	nsity Not applicable as it is an industry							
26.Height building(s									
station to	the road earest fire	9	9						
	ccess of r t from all e building the width								
29.Existing					of production. All the h eds, storage tanks will h	ouildings are already constructed ar			
30.Details demolition disposal (I applicable	ı with f	Not applicab	le as no demo	lition activ	rity will be carried out				
			31.Pr	oduct	ion Details				
Serial Number	Pro	duct	Existing (1	MT/M)	Proposed (MT/M)	Total (MT/M)			
1	N- Bromos	succinimide	360.0	0	60.00	420.00			
2	N-Chloros	uccinimide	240.0	0	-120	120			
3	N-Iodosu	ccinimide	36.00	0	00	36.00			
4	Bromo OTBN (2- cyano-4-Bromomethyl biphenyl)		0.00)	600.0	600.0			
5	2-Bromopr	opionic Acid	0.00)	180.0	180.0			
6	Propiony	l bromide	0.00)	180.0	180.0			
7	N- Hexy	l bromide	0.00)	240.0	240.0			



32.Total Water Requirement

Abhay Pimparkar (Secretary SEAC-I)

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	Signature: Name: Dr. Umakant Gangatrao Dangat
of	Dr. Umakant Dangat
65	(Chairman SEAC-I)

		Source of wa	ter	MIDC					
		Fresh water	(CMD):	42.83					
		Recycled wat Flushing (CM		0.00					
Recycled water - Gardening (CMD):		4.9							
		Swimming po make up (Cu		NA					
Dry seasor	1:	Total Water Requirement :	(CMD)	61.54					
		Fire fighting Underground tank(CMD):		200				0	
		Fire fighting Overhead wa tank(CMD):		NA				0	
		Excess treate	ed water	NA					
		Source of wa	ter	MIDC					
		Fresh water	(CMD):	42.83					
		Recycled wat Flushing (CM		0.00					
Recycled water - Gardening (CMD):			0.00						
		Swimming po make up (Cu		NA					
Wet seaso	n:	Total Water Requirement :	: (CMD)	61.54					
		Fire fighting Underground tank(CMD):		200					
		Fire fighting Overhead wa tank(CMD):		NA					
		Excess treate	d water	NA					
Details of pool (If an	Swimming y)	Swimming poo	ol not app	licable					
		33	.Detail	s of Tota	water co	nsume	d		
Particula rs	Cons	sumption (CM	D)	Loss (CMD)			Effluent (CMD)		
Water	2		-	-			-		
Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	10.50	0	10.5	2.1	Nil	2.1	8.4	0	8.4
Cooling tower & thermopa ck	0.2	30.39	30.5	0.00	29.89	29.89	0.0	0.603	0.603
Industrial Process	7.0	8.55	15.55	1.5	0.55	2.05	5.5	8.0	13.5
Gardening	0.0	4.9	4.9	0.0	0.0	0.0	0.0	0.0	0.0

a profineres			Signature:
C669			Name: Dr. Umakant Gangatrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	Page 3 of	Dr. Umakant Dangat
SEAC-I)	Date: July 26, 2018	65	(Chairman SEAC-I)
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34. Rain Water See of the Ground Size and the of RWH tank(s) and Quantity: 1 tank of 2.5 m*3.20 m 34. Rain Water Harvesting (RWH) Location of the RWH tank(s): 1 tank of 2.5 m*3.20 m 34. Rain Water Harvesting (RWH) Location of the RWH tank(s): Not Applicable Size of recharge pits (Capital cost): Not Applicable Budgetary allocation (O & M cost): 10000 Size of SWD: Wo UG tanks are installed : UG water tank of 30,000 Litres capacity is installed for domestic use UG water tank of 20,000 Litres capacity is installed for free fighting purpose 33.Storm water drainage generation mwater: 543.13 Size of SWD: width -340 mm / depth-260 mm Steve of SWD: Width -340 mm / depth-260 mm Steve of SWD: Capacity of STP (CMD): STP technology: Capacity of STP (CMD): Capacity of STP (CMD): 1 (Proposed) - 15 CMD Budgetary allocation (Capital cost): 6 Lakh (Existing +Proposed) Budgetary allocation (Capater cost):						
Astain Water (RWH) I tank of 2.5 m².2.5 m².3.0 m 34.Rain Water (RWH) Incation of the RWH is: Iselind parking 2; Near Security cabin Budgetary allocation (Capital cost) : Not Applicable Budgetary allocation (Capital cost) : 100000 Details of UGT tanks if any : Woo Canks are installed : Out water tanks of 30.000 Litres capacity is installed for domestic use UG water tanks of 30.000 Litres capacity is installed for fire fighting purpose 35.Storm water drainage Natural water fange pattern: Yes 35.Storm water drainage Size of SWD: Viet Tanks are installed : Quantity of storm water: Size of SWD: Viet Tanks size of SWD: Viet Tanks size of SWD: Stree of SWD: Size of SWD: Viet Tanks size of SWD: Viet Tanks size of SWD: Stree for SWD: Capacity of partopased axpansion (Capital cost): Size of SWD: Stree for SWD: Capacity of STIC (Cambity of STIC (Capacity of STIC (Capacity of STIC (Capacity of STIC (Capacity allocation all cabs (Lixisting +Proposed) Size of SUC (Capacity allocation a biol (Lixisting +Proposed) Budgetary allocation the pro Construction and Construction and Construction asset lick(p to generatic is concerto which will be viet storage tanks. Water hick proposed costruction of shoded, storage tanks. Water hick properestion. PP has			50-100m			
SA.Rain Water Harvesting (RWH) tank(s): Default parking 2/ Near Security canin 34.Rain Water Harvesting (RWH) Size of recharge pits (Capital cost): Not Applicable Budgetary allocation (Capital cost): 100000 Budgetary allocation (Co & M cost): 12002 Budgetary allocation (Co & M cost): Two UG tanks are installed: Details of UGT tanks if any: Two UG tanks are installed: UG water tanks of 20,000 Litres capacity is installed for domestic use (Gauter tanks of 20,000 Litres capacity is installed for fire fighting purpose 35.Storm water drainage Natural water drainage pattern: Yes Quantity of storm water: Size of SWD: width: 340 mm ; depth:260 mm Stee of SWD: width: 340 mm ; depth:260 mm Capacity of STP (Proposed) - 15 CMD Capacity of STP (Proposed) - 15 CMD Location & area of the STP: Behind LD.O storage/furnace oil tank Budgetary allocation (Capacity of STP 6.1 akh (Existing +Proposed) Capacity of STP 6.1 akh (Existing +Proposed) Budgetary allocation (Capacity of the costs): Construction debris Budgetary allocation (Paste generation in the operation plase: Fwaste generation Proposed of the constr		tank(s) and	1 tank of 2.5 m*2.5m*3.20 m			
34. Rain Water Harvesting (RWH) pits: 100.0punctable Size of recharge pits: Not Applicable Budgetary allocation (Copital cost): 100000 Budgetary allocation (Co & M cost): 12002 Budgetary allocation (Co & M cost): Two UG tanks are installed : Details of UGT tanks if any : Two UG tanks are installed : UG water tank of 30,000 Litres capacity is installed for domestic use UG water tanks of 20,000 Litres capacity is installed for fire fighting purpose 35.Storm water drainage Natural water drainage pattern: Yes Quantity of storm water: 543.13 Size of SWD: width -340 mm ; depth-260 mm Sewage generation in KLD: Stre technology: Curbenfly having Septic tank: Industry has proposed STP with MBBR Capacity of STP (CMD); Capacity of STP (CMD); 1 (Proposed) - 15 CMD Capacity of STP (CMD); Budgetary allocation (Capital cast): Behind L.D.O storage/furnace oil tank Budgetary allocation (Capital cast): B.Lakh (Existing +Proposed) Budgetary allocation (Capital cast): Industry is already in operation. PP has proposed construction of shefs, storage tanks. Waste likely to gonorate is concrete which will be very piscth and filing low laying areas. Waste generation in the Pre Construction aplase: Dry waste: Pap			Behind parking 2; Near Security cabin			
(RWH) :	34.Rain Water		Not Applicable			
Image: Provide the set of the se		Size of recharge pits :	Not Applicable			
(0 & M cost) : 12002 Details of UGT tanks if any : Details of UGT tanks if any : Would tanks are installed : UG water tanks of 20,000 Litres capacity is installed for domestic use UG water tanks of 20,000 Litres capacity is installed for domestic use upurpose 35.Storm water drainage Natural water drainage pattern: Quantity of storm water: Yes 35.Storm water Size of SWD: width -340 mm ; depth-260 mm Sewage generation in KLD: 8.4 KLD STP technology: Currently having Septic tank. Industry has proposed STP with MBBR Technology for proposed expansion Capacity of STP (Capatity of STP): 1 (Proposed) - 15 CMD Location & area of the STP: Behind L.D.O storage/furnace oil tank Budgetary allocation (Capital cost): 8.5.0 Lakh (Existing +Proposed) Budgetary allocation (Capatity of stories) 6 Lakh (Existing +Proposed) Waste generation in the Pre Construction and Construction waste debris: Construction debris Naveste generation in the operation in the operation in the operation in the operation in the operation Phase: Sory waste: Construction debris Waste generation in the operation in the operation in the operation in the operation No wet waste is generated Sory of tapes of the construction waste chenical studge from Waste Treatanent Plant. 410 Ton/Y, Salt Solution - 78 Ton/Y <th></th> <th></th> <th>100000</th>			100000			
Details of UGT tanks if any : UG water tanks of 30,000 Litres capacity is installed for domestic use purpose 35.Storm water drainage mattern: Natural water drainage pattern: Yes 35.Storm water drainage of SWD: 543.13 Water: 543.13 Size of SWD: width -340 mm ; depth-260 mm Sewage and Water: Sewage generation in KLD: 8.4 kLD STP technology: Currently having Septic tank. Industry has proposed STP with MBBR Technology for proposed expansion Capacity of STP (MD): 1 (Proposed)- 15 CMD Capacity of STP (MD): 6.4 kLD Budgetary allocation (O & M cost): 85.0 Lakh (Existing +Proposed) Budgetary allocation (O & M cost): 6 Lakh (Existing +Proposed) Waste generation in the Pre Construction phase: Waste generation: Disposal of the construction waste debris: Construction debris Waste generation in the operation phase: Paper bags: 21000 Nos/Y, Fibre Drum with Lids- 19632 Nos/Y, HDPE Drums -5220 Nos/Y Waste generation in the operation Phase: No wet waste is generated Hazardous waste: Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Catabos / Spont Catalyst / Spent Catabos / Spont Catabyst / spent Catabos / Spont/ Catabyst / Spent Catabyst / spent Catabyst / spent Catabost /			12002			
35.Storm water Irainage pattern: Yes Quantity of storm water: 543.13 Size of SWD: width -340 mm ; depth-260 mm Verter: Size of SWD: Stewage generation in KLD: 8.4 KLD STP technology: Currently having Septic tank. Industry has proposed STP with MBBR Qechnology for proposed expansion Capacity of STP (CMD): 1 (Proposed)- 15 CMD Location & area of the STP: Behind L.D.O storage/furnace oil tank Budgetary allocation (Capital cost): 65.0 Lakh (Existing +Proposed) Budgetary allocation (Cost M cost): 6 Lakh (Existing +Proposed) Waste generation in the Pre Construction and Construction waste clabris: Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas. Waste generation in the operation phase: Pare tage: 21000 Nos./Y. Fibre Drum with Lids- 19632 Nos./Y. HDPE Drums -5220 Nos./Y. Wet waste: No wet waste is generated Hazardous waste: Used/ Spent 0il - 800 lit/Y. Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution -78 Ton/Y			UG water tank of 30,000 Litres capacity is installed for domestic use UG water tanks of 20,000 Litres capacity is installed for fire fighting			
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Sewage and SiP technology: Technology for proposed expansion Waste water Capacity of STP (CMD): 1 (Proposed)- 15 CMD Location & area of the STP: Behind L.D.O storage/furnace oil tank Budgetary allocation (Capital cost): 85.0 Lakh (Existing +Proposed) Budgetary allocation (Co M cost): 6 Lakh (Existing +Proposed) Waste generation in the Pre Construction phase: Waste generation: Disposal of the construction waste debris: Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas. Waste generation in the operation Phase: Dry waste: No wet waste is generated Waste generation the operation phase: No wet waste is generated Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution - 78 Ton/Y Biomedical waste (If applicable): No Bio-medical waste is generated STP Sludge (Dry sludge): 0.15 Ton/Y			8.4 KLD			
Sewage and Waste water ICMD: ITProposed - 15 CMD Iccation & area of the STP: Behind L.D.O storage/furnace oil tank Budgetary allocation (Capital cost): 85.0 Lakh (Existing +Proposed) Budgetary allocation (Co & M cost): 6 Lakh (Existing +Proposed) Budgetary allocation (A pital cost): 6 Lakh (Existing +Proposed) Budgetary allocation (A waste generation in the Pre Construction and Construction phase: Waste generation: Disposal of the construction waste debris: Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas. Waste generation in the operation Phase: Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./Y Wet waste: No wet waste is generated Waste generation phase: Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution -78 Ton/Y		STP technology:				
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(Capital cost): 03.0 Lakit (Existing +Proposed) Budgetary allocation (0 & M cost): 6 Lakh (Existing +Proposed) Observed 36.SOlid waste Management Waste generation in the Pre Construction and Construction phase: Waste generation: Construction debris Disposal of the construction waste debris: Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas. Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./Y Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./Y Waste generation in the operation Phase: Biomedical waste: Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution -78 Ton/Y Biomedical waste (If applicable): No Bio-medical waste is generated STP Sludge (Dry sludge): 0.15 Ton/Y	Waste water		Behind L.D.O storage/furnace oil tank			
(O & M cost): O Lake (Existing + Proposed) 36.Solid waste Management Waste generation in the Pre Construction and Construction waste elebris: Waste generation: Construction debris Disposal of the construction waste elebris: Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas. Waste generation in the operation phase: Dry waste: Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./Y Wet waste: No wet waste is generated No wet waste is generated Biomedical waste: Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution -78 Ton/Y Biomedical waste (If applicable): No Bio-medical waste is generated STP Sludge (Dry sludge): 0.15 Ton/Y		(Capital cost):	85.0 Lakh (Existing +Proposed)			
Waste generation in the Pre Construction and Construction phase:Waste generation:Construction debrisDisposal of the construction waste debris:Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas.Waste generation in the operation Phase:Dry waste:Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./YWaste generation in the operation Phase:Wet waste:No wet waste is generatedBiomedical waste (If applicable):No Bio-medical waste is generatedSTP Sludge (Dry sludge):0.15 Ton/Y			6 Lakh (Existing +Proposed)			
Waste generation in the Pre Construction and Construction phase:Disposal of the construction waste debris:Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas.Waste generation in the operation Phase:Dry waste:Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./YWaste generation in the operation Phase:Met waste:No wet waste is generatedBiomedical waste (If applicable):No Bio-medical waste is generatedSTP Sludge (Dry sludge):0.15 Ton/Y		36.Soli	d waste Management			
the Pre Construction and Construction phase:Disposal of the construction waste debris:Industry is already in operation. PP has proposed construction of sheds, storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher plinth and filling low laying areas.Waste generation in the operation Phase:Dry waste:Paper bags: 21000 Nos./Y, Fibre Drum with Lids- 19632 Nos./Y, HDPE Drums -5220 Nos./YWaste generation in the operation Phase:Biomedical waste:Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution -78 Ton/YBiomedical waste (If applicable):No Bio-medical waste is generatedSTP Sludge (Dry sludge):0.15 Ton/Y	Waste generation in	Waste generation:	Construction debris			
Waste generation in the operation Phase: Drums -5220 Nos./Y Wet waste: No wet waste is generated Biomedical waste: Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution - 78 Ton/Y Biomedical waste (If applicable): No Bio-medical waste is generated STP Sludge (Dry sludge): 0.15 Ton/Y	the Pre Construction and Construction	construction waste	storage tanks. Waste likely to generate is concrete which will be very less. The waste will be utilised within site for internal roads, higher			
Waste generation in the operation Phase: Hazardous waste: Used/ Spent Oil - 800 lit/Y; Spent Catalyst / spent Carbon- 4500 kg/Y; Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution - 78 Ton/Y Biomedical waste (If applicable): No Bio-medical waste is generated STP Sludge (Dry sludge): 0.15 Ton/Y		Dry waste:				
Waste generation in the operation Hazardous waste: Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution - 78 Ton/Y Phase: Biomedical waste (If applicable): No Bio-medical waste is generated STP Sludge (Dry sludge): 0.15 Ton/Y		Wet waste:	No wet waste is generated			
applicable):No Bio-medical waste is generatedSTP Sludge (Dry sludge):0.15 Ton/Y	5	Hazardous waste:	Chemical Sludge from Waste Treatment Plant- 410 Ton/Y, Salt Solution			
sludge):	Phase:		No Bio-medical waste is generated			
Others if any: Not Applicable			0.15 Ton/Y			
		Others if any:	Not Applicable			

		Dry waste:						prized recycler ; HDPE ge will be used as
		Wet waste	:	Not Applica	ble			
Mode of Disposal Hazardous		waste:		nemical slud			Re-processor; Spent salt solution will be	
or waste.		Biomedica applicable		Not Applica	ible			
		STP Sludg sludge):	e (Dry	Will be used	d as manure			
		Others if a	ny:	Not Applica	ble			
		Location(s):	Near STP p	lant; Behind	Boiler room		
Area requirem	ent:	Area for th of waste & material:						gated metallic scrap s made for storage of
		Area for m	achinery:	Not Applica	ble			
Budgetary		Capital cos	st:	Nil				
(Capital co O&M cost)		O & M cos	t:	Nil				
			37.Ef	fluent C	harecter	estics		
Serial Number	Paran	neters	Unit	Inlet E	ffluent	Outlet 1	Effluent cerestics	Effluent discharge standards (MPCB)
1	р	Н	NA	7.	22	6.	49	5.5-9.0
2	TS	SS	mg/Lit	<1	0.0	<10.0		<=100.0
3	BC	DD	mg/Lit	44	00	<1	0.0	<=100.011
4	CC	DD	mg/Lit	3276	65.96 34.		.48	<=250.0
5	Sulpl	hates	mg/Lit	2689	6891.66 <2		1.0	<1000
6	Chlo	rides	mg/Lit	859	0.91	6	.0	<=600
Amount of e (CMD):	effluent gene	eration	14.103 CMI	D				
Capacity of	the ETP:		16.0 CMD					
Amount of t recycled :	reated efflue	ent	13.81 CMD					
Amount of v	water send to	o the CETP:	Waste wate gardening e		in industry i	s recycled ar	nd used for v	arious other processes,
Membershi	p of CETP (if	frequire):	Yes; Industr	ry has obtain	ied CETP me	embership		
	P technology		0	-		capacity 16.		
Disposal of	the ETP sluc	lge	ETP sludge	generated w	vill be dispos	ed to CHWT	SDF	
			38.H a	zardous	Waste D	etails		
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used/Sj	pent Oil	5.1	Lit/Y	100	700	800	Autho. Re-processor
2	Spent cata car	alyst/Spent bon	28.2	Kg/Y	g/Y 100 4400		4500	CHWTSDF
3		ludge from treatment	34.3	Ton./Y 360		50	410	CHWTSDF
4	Salt So	olution	34.3	Ton/y	Nil	78	78	CHWTSDF
			39.St	acks em	ission D	etails		
Abhay Pimparkar (Secretary SEAC-I) SEAC Meeting No: 153rd A (Day-2) Meeting Date: July 26, 2018 Page 5 of 65 Signature: July 26, 2018						: Dr. Umakant Gangatrao Dangat		

Serial Number	Section	n & units	& units Fuel Qu		Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	Boiler	750kg/Hr	Fu	rnace Oil; 1000 Lit/Day	1	10	0.254	137	
2		ermopack 600 g/Hr	LDO	O; 1450 Lit/Day	2	14	0.254	110	
3	Bromination	n/Chlorination	. N	lot applicable	3	6	0.1016	54	
4	Imide I	Formation	N	lot Applicable	4	4.5	NA	NA	
5	Drying	g Section	Ν	lot Applicable	5	4.5	NA	NA	
6	D. G Se	t 160 KVA		Diesel	6	2.5	0.1016	112	
7	D.G Set	62.5 KVA		Diesel	7	2.5	0.1016	112	
			40	.Details of I	Fuel to be	used			
Serial Number	Tyj	pe of Fuel		Existing		Proposed		Total	
1		Diesel		37 Lit/Hr		Nil		37 Lit/Hr	
2		L.D.O		1000 Lit/Day	ý	Nil		1000 Lit/Day	
3	Fu	ırnace Oil		1450 Lit/Day	ý	Nil		1450 Lit/Day	
41.Source	of Fuel		Ι	ndustry /Market					
42.Mode of	f Transportat	tion of fuel to	site F	Fuel is brought to	o site by tanke	ers			
		Total RG a	rea :	457.40 Sq.	m				
		No of trees	to be	cut Not Applica	able				
43.Gree			Number of trees to be planted :		Existing - 37; Proposed - 7				
Develop	oment	List of proposed native trees :		List of prop	List of proposed trees is given below				
		Timeline for completion plantation	of	Industry is already having 37 trees planted in project area and has proposed plantation of 7 trees after obtaining EC					
	44.Nu	mber and	list	of trees spe	cies to be	e planted	l in the g	round	
Serial Number	Name of	the plant	Con	nmon Name	Quar	itity		ristics & ecological mportance	
1	Ne	eem	Azad	iractha Indica	5		Neem has emerged to be an ideal source for insecticide and pesticid		
2	Sis	sam	Dall	bergia sissoo	1		Sissam enriches soil due to presence of nitrogen fixing bacteria in roots		
3	Leman			C. Limon	1	Lemon are rich source of Vitam C and due to antibacterial and immune stimulant re used in medicinal use		e to antibacterial and stimulant re used in	
	5.Total qua	ntity of plan	ts on g	round					
4			-			to bo pla	nted in t		
	nber and	l list of sh	rubs	and bushes	s species	ro ne hic	micu m (the podium RG:	
	nber and	l list of sh Name	rubs	and bushes		to ne pic	Area	m2	

approx for and the			Signature:
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			47.Energ	y	
		Source of power supply :	MSEDCL		
		During Construction Phase: (Demand Load)	Not applicable as in	ndustry is already under operation	
		DG set as Power back-up during construction phase	Industry is already	having D.G.Set of 62.5 KVA	
Dov	107	During Operation phase (Connected load):	140 KW		
Pow require		During Operation phase (Demand load):	150 KW (Existing -	120 KW +Proposed 30 KW)	
		Transformer:	200 KVA		
		DG set as Power back-up during operation phase:	160 KVA (Existing)	DG Set of 62.5 KVA shall be replaced by 160 KVA)	
		Fuel used:	37 Lit/Hr		
		Details of high tension line passing through the plot if any:	No		
		48.Energy savi	na by non-con	ventional method:	
Reduction in	n energy con	nsumption:8-10% mption:10-11%		t light to lighten up the internal road.	
		49.Detail	calculations &	x % of saving:	
Serial Number	Е	energy Conservation Mo	easures	Saving %	
1	F	Reduction in energy const	imption	8-10%	
2		Reduce in fuel consum	otion	10-11%	
	A	50.Details	of pollution co	ontrol Systems	
Source		Existing pollution cont	rol system	Proposed to be installed	
DG Set 160 KVA	Ad	coustic enclosure with ade	equate height	Not applicable	
Boiler 1 [75 kg/hr]	0	Adequate heigh	t	Not applicable	
Boiler +Thermopac 600 kg	ck	Adequate heigh	t	Not applicable	
Chlorine Section		Gas Leak Syster	n	Not applicable	
Bromine Section		Gas Leak Syster	n	Not applicable	
Budgetary		Capital cost:	1320000		
(Capital o O&M o		O & M cost:	50000		
		· · · · · · · · · · · · · · · · · · ·			

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Abhay Pimparkar (Secretary	SEAC Meeting
SEAC-I)	D

	Signature:
of	Dr. Umakant Dangat
65	(Chairman SEAC-I)

31	.Envi	ronme	enta	l Manag	emer	it plan .	Budgeta	ry Alloca	tion	
			a) Co	onstruction	n phas	e (with B	reak-up):			
Serial Number	Att	tributes	ites Parameter			Tot	Total Cost per annum (Rs. In Lacs)			
1	Not Applicable as industry is already under operation		NA				NA			
			b) (Operation	Phase	(with Bro	eak-up):			
Serial Number Component		Descripti	I	Capital cos Lac	st Rs. In O	perational and cost (Rs. in				
1		lution Cont System	rol	Existing +Pro cost	posed	15		1		
2		ollution Cor Systems	ntrol	Existing +Pro Cost	oposed	85.0)	6	7	
3	Noise Po	ollution Cor	ıtrol	Existing +Pro	posed	9.0		0.50		
4		lt Developn intenances	nent /	Exiting +Pro		2.0		0.25		
5	Environmental Monitoring/Environmental Management		nental	Exiting +Pro	posed	0.00		2.0		
6	Occupat	ional health safety	and	Exiting +Pro	posed	4.0		1.5		
7	Solid Wa	ste Manage	ment	Exiting +Pro	posed	1.0		0.5		
8	Rain Wa	ater Harves	ting	Exiting +Pro				0.12		
9	Energy S	Saving Meas	sures	Exiting +Pro	posed	13.20		0.50		
					bstai	nces)		nazardou		
Descrip	otion					Maximum				
		Status	P	Location	Storage Capacit in MT	Quantity of Storage	Consumption / Month in MT	Source of Supply	Means of transportatio	
Acetic A	Acid	Status Liquid	Proj	Location posed Storage	Capacit	y Quantity of Storage at any point of time in	/ Month in	Source of		
Acetic A Chlori			90	posed Storage D0kg Tonner	Capacit in MT 2.0 0.9	y Quantity of Storage at any point of time in MT	/ Month in MT 4.0 1.8	Source of Supply	transportatio	
Chlori Chlori	ine ine	Liquid Gas Gas	90 90	posed Storage Ookg Tonner Ookg Tonner	Capacit in MT 2.0 0.9 0.9	y y y y y y y y y y y y y y y y y y y	/ Month in MT 4.0 1.8 1.8	Source of Supply Industry/Market Industry/Market	transportation By Road By Road By Road	
Chlori Chlori Chlori	ine ine ine	Liquid Gas Gas Gas	90 90 90	posed Storage 00kg Tonner 00kg Tonner 00kg Tonner	Capacit in MT 2.0 0.9 0.9 0.9	y Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9	/ Month in MT 4.0 1.8 1.8 1.8 1.8	Source of Supply Industry/Market Industry/Market Industry/Market	transportation By Road By Road By Road By Road	
Chlori Chlori Chlori OTBl	ine ine N	Liquid Gas Gas Gas Liquid	90 90 90	posed Storage Ookg Tonner Ookg Tonner Ookg Tonner RM Store	Capacit in MT 2.0 0.9 0.9 0.9 9.0	y y y y y y y y y y y y y y y y y y y	/ Month in MT 4.0 1.8 1.8 1.8 1.8 40.0	Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road By Road By Road By Road	
Chlori Chlori Chlori OTBl AIBN	ine ine N	Liquid Gas Gas Gas Liquid Solid	90 90 90	posed Storage Okg Tonner Okg Tonner Okg Tonner RM Store RM Store	Capacit in MT 2.0 0.9 0.9 0.9 9.0 0.1	 Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.9 0.9 0.1 	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road By Road By Road By Road By Road	
Chlori Chlori Chlori OTBl AIBN Propionic	ine ine N N c Acid	Liquid Gas Gas Gas Liquid Solid Liquid	9(9(9(posed Storage Dokg Tonner Dokg Tonner Dokg Tonner RM Store RM Store RM Store	Capacit in MT 2.0 0.9 0.9 0.9 9.0 0.1 5.0	 Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.9 0.9 0.1 5.0 	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35 15.74	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road By Road By Road By Road By Road	
Chlori Chlori OTBl AIBN Propionic Red Phosp	ine ine N N c Acid ohorous	Liquid Gas Gas Gas Liquid Solid	9(9(9(posed Storage Okg Tonner Okg Tonner Okg Tonner RM Store RM Store	Capacit in MT 2.0 0.9 0.9 0.9 9.0 0.1	 Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.9 0.9 0.1 	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road By Road By Road By Road By Road	
Chlori Chlori OTB AIBN Propionia Red Phospoh Tribron	ine ine N N C Acid chorous nrous nide	Liquid Gas Gas Gas Liquid Solid Liquid Solis Liquid	90	posed Storage Dokg Tonner Dokg Tonner Dokg Tonner RM Store RM Store RM Store RM Store RM Store RM Store	Capacit in MT 2.0 0.9 0.9 0.9 0.9 0.9 0.1 5.0 1.0 1.0	Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.1 5.0 1.0 1.0	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35 15.74 2 9.0	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road By Road By Road By Road By Road By Road By Road	
Chlori Chlori OTBl AIBN Propionic Red Phosp Phospoh Tribron n-Hexa	ine ine N N c Acid ohorous rrous nide anol	Liquid Gas Gas Liquid Solid Liquid Solis Liquid Liquid	90	posed Storage Ookg Tonner Ookg Tonner Ookg Tonner Ookg Tonner RM Store RM Store RM Store RM Store RM Store RM Store RM Store	Capacit in MT 2.0 0.9 0.9 0.9 9.0 0.1 5.0 1.0 1.0 1.0	Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.1 5.0 1.0 1.0	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35 15.74 2 9.0 13.02	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road By Road By Road By Road By Road By Road By Road By Road	
Chlori Chlori OTB AIBN Propionio Red Phosp Phospoh Tribron n-Hexa Acetyl Br	ine ine ine N N c Acid chorous nide anol oomide	Liquid Gas Gas Liquid Solid Liquid Solis Liquid Liquid	90	posed Storage Ookg Tonner Ookg Tonner Ookg Tonner RM Store RM Store RM Store RM Store RM Store RM Store RM Store RM Store RM Store	Capacit in MT 2.0 0.9 0.9 0.9 9.0 0.1 5.0 1.0 1.0 1.0 1.0	Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.1 5.0 1.0 1.0 1.0 1.0	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35 15.74 2 9.0 13.02 13.62	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road By Road By Road By Road By Road By Road By Road By Road By Road	
Chlori Chlori OTB AIBN Propionic Red Phosp Phospoh Tribron n-Hexa Acetyl Br Tert But	ine ine ine N N C Acid ohorous nrous nide anol omide tanol	Liquid Gas Gas Liquid Solid Liquid Solis Liquid Liquid Liquid	90	posed Storage Dokg Tonner Dokg Tonner Dokg Tonner RM Store RM Store	Capacit in MT 2.0 0.9 0.9 0.9 0.9 0.9 0.1 5.0 1.0 1.0 1.0 1.0 5.0	Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.1 5.0 1.0 1.0 1.0 5.0	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35 15.74 2 9.0 13.02 13.62 10	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road	
Chlori Chlori OTBl AIBN Propionic Red Phospoh Tribron n-Hexa Acetyl Br Tert But N-BromoSuc	ine ine ine N N c Acid ohorous nrous nide anol omide tanol	Liquid Gas Gas Liquid Solid Liquid Liquid Liquid Liquid Liquid Solid	90	posed Storage Okg Tonner Okg Tonner Okg Tonner Okg Tonner RM Store RM Store	Capacit in MT 2.0 0.9 0.9 9.0 0.1 5.0 1.0 1.0 1.0 1.0 5.0 1.0 1.0 1.0 5.0	Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.1 5.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35 15.74 2 9.0 13.02 13.62 10 30	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road	
Chlori Chlori OTB AIBN Propionic Red Phosp Phospoh Tribron n-Hexa Acetyl Br Tert But	ine ine ine N N C Acid chorous nrous nide anol comide tanol ccinimide	Liquid Gas Gas Liquid Solid Liquid Solis Liquid Liquid Liquid	90	posed Storage Dokg Tonner Dokg Tonner Dokg Tonner RM Store RM Store	Capacit in MT 2.0 0.9 0.9 0.9 0.9 0.9 0.1 5.0 1.0 1.0 1.0 1.0 5.0	Quantity of Storage at any point of time in MT 2.0 0.9 0.9 0.9 0.1 5.0 1.0 1.0 1.0 5.0	/ Month in MT 4.0 1.8 1.8 1.8 40.0 1.35 15.74 2 9.0 13.02 13.62 10	Source of Supply Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market Industry/Market	transportation By Road By Road	

agger of the ses			Signature: Name: Dr. Umakant Gangetreo Dangat
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Tert Butyl Bromo AcetateLiquidFG Store1.01.0Spent IodideCrystallineFG Store0.30.31H3PO3SolidRM Store2.02.01DieselLiquidDG Set Tank0.40.41Furnace OilLiquidFO Tank10.010.01LDOLiquidLDO Storage5.05.01Sodium Bromide SoultionLiquidConc. Effluent Tank10.010.01Methylene DichlorideLiquidStorage Tank17.017.01Ethylene DichlorideLiquidStorage Tank10.010.01Sulphuric AcidLiquidStorage Tank10.010.01Succinic AcidSolidProposed Shed20201Liquid BromineLiquidProposed Storage10.8010.801	l Bromide Bromide	Liquid Liquid	FG Store FG Store	1.0	1.0	2.0	Industry/Market Industry/Market	By Road By Road
H3PO3SolidRM Store2.02.0DieselLiquidDG Set Tank0.40.4Furnace OilLiquidFO Tank10.010.0LDOLiquidLDO Storage5.05.0Sodium Bromide SoultionLiquidConc. Effluent Tank10.010.0Methylene DichlorideLiquidNear HBr Storage Tnank10.010.0Caustic Soda IyeSolidStorage Tank17.017.0Ethylene DichlorideLiquidStorage Tank10.010.0Sulphuric AcidLiquidStorage Tank10.010.0Succinic AcidSolidProposed Shed2020Liquid BromineLiquidProposed Storage Shed10.8010.80	yl Bromo	-	FG Store	1.0	1.0	2.0	Industry/Market	By Road
DieselLiquidDG Set Tank0.40.4Furnace OilLiquidFO Tank10.010.010.0LDOLiquidLDO Storage5.05.05.0Sodium Bromide SoultionLiquidConc. Effluent Tank10.010.010.0Methylene DichlorideLiquidNear HBr Storage Tnank10.010.010.0Caustic Soda IyeSolidStorage Tank17.017.017.0Ethylene DichlorideLiquidStorage Tank10.010.010.0Sulphuric AcidLiquidStorage Tank10.010.010.0Succinic AcidSolidProposed Shed202020IodineLiquidProposed Storage Shed10.8010.8010.80	Iodide	Crystalline	FG Store	0.3	0.3	0.6	Industry/Market	By Road
Furnace OilLiquidFO Tank10.010.0LDOLiquidFO Tank10.010.0LDOLiquidLDO Storage5.05.0Sodium Bromide SoultionLiquidConc. Effluent Tank10.010.0Methylene DichlorideLiquidNear HBr Storage Tnank10.010.0Caustic Soda IyeSolidStorage Tank17.017.0Ethylene DichlorideLiquidStorage Tank10.010.0Sulphuric AcidLiquidStorage Tank10.010.0Succinic AcidSolidProposed Shed2020IodineCrystalline SolidProposed Storage Shed10.8010.80	PO3	Solid	RM Store	2.0	2.0	4.0	Industry/Market	By Road
LDOLiquidLDO Storage5.05.0Sodium Bromide SoultionLiquidConc. Effluent Tank10.010.0Methylene DichlorideLiquidNear HBr Storage Tnank10.010.0Caustic Soda IyeSolidStorage Tank17.017.0Ethylene DichlorideLiquidStorage Tank12.512.5Sulphuric AcidLiquidStorage Tank10.010.0Succinic AcidSolidProposed Shed2020IodineCrystalline SolidProposed Storage Shed10.8010.80	esel	Liquid	DG Set Tank	0.4	0.4	08	Industry/Market	By Road
Sodium Bromide SoultionLiquidConc. Effluent Tank10.010.0Methylene DichlorideLiquidNear HBr Storage Tnank10.010.010.0Caustic Soda IyeSolidStorage Tank17.017.0Ethylene DichlorideLiquidStorage Tank12.512.5Sulphuric AcidLiquidStorage Tank10.010.0Succinic AcidSolidProposed Shed2020IodineCrystalline SolidProposed Shed0.50.5Liquid BromineLiquidProposed Storage Shed10.8010.80	ace Oil	Liquid	FO Tank	10.0	10.0	20.0	Industry/Market	By Road
SoultionLiquidConc. Effluent Tank10.010.0Methylene DichlorideLiquidNear HBr Storage Tnank10.010.010.0Caustic Soda IyeSolidStorage Tank17.017.017.0Ethylene DichlorideLiquidStorage Tank12.512.512.5Sulphuric AcidLiquidStorage Tank10.010.010.0Succinic AcidSolidProposed Shed202010.0IodineCrystalline SolidProposed Shed0.50.50.5Liquid BromineLiquidProposed Storage Shed10.8010.8010.80	DO	Liquid	LDO Storage	5.0	5.0	10.0	Industry/Market	By Road
Methylene DichlorideLiquidTnank10.010.0Caustic Soda IyeSolidStorage Tank17.017.0Ethylene DichlorideLiquidStorage Tank12.512.5Sulphuric AcidLiquidStorage Tank10.010.0Succinic AcidSolidProposed Shed2020IodineCrystalline SolidProposed Shed0.50.5Liquid BromineLiquidProposed Storage Shed10.8010.80		Liquid	Conc. Effluent Tank	10.0	10.0	20.0	Industry/Market	By Road
Ethylene DichlorideLiquidStorage Tank12.512.5Sulphuric AcidLiquidStorage Tank10.010.0Succinic AcidSolidProposed Shed2020IodineCrystalline SolidProposed Shed0.50.5Liquid BromineLiquidProposed Storage Shed10.8010.80	e Dichloride	Liquid		10.0	10.0	59.2	Industry/Market	By Road
Sulphuric AcidLiquidStorage Tank10.010.0Succinic AcidSolidProposed Shed2020IodineCrystalline SolidProposed Shed0.50.5Liquid BromineLiquidProposed Storage Shed10.8010.80	Soda Iye	Solid	Storage Tank	17.0	17.0	34.0	Industry/Market	By Road
Succinic Acid Solid Proposed Shed 20 20 Iodine Crystalline Solid Proposed Shed 0.5 0.5 Liquid Bromine Liquid Proposed Storage Shed 10.80 10.80	Dichloride	Liquid	Storage Tank	12.5	12.5	25.0	Industry/Market	By Road
Iodine Crystalline Solid Proposed Shed 0.5 0.5 Liquid Bromine Liquid Proposed Storage Shed 10.80 10.80	ric Acid	Liquid	Storage Tank	10.0	10.0	20.0	Industry/Market	By Road
Iodine Solid Proposed Shed 0.5 0.5 Liquid Bromine Liquid Proposed Storage Shed 10.80 10.80	nic Acid	Solid	Proposed Shed	20	20	43.05	Industry/Market	By Road
Liquid Broinine Liquid Shed 10.00 10.00	line		Proposed Shed	0.5	0.5	3.6	Industry/Market	By Road
Proposed Storage	Bromine	Liquid		10.80	10.80	96.172	Industry/Market	By Road
Solid Solid Shed 4.0 4.0	Bromate	Solid	Proposed Storage Shed	4.0	4.0	14.0	Industry/Market	By Road
Succinimide Solid Proposed Storage 5.0 5.0	nimide	Solid	Proposed Storage	5.0	5.0	10.0	Industry/Market	By Road
52.Any Other Information			52.Any ()ther In	formati	on		
No Information Available	nation Availa	able			/			

Nos. of the junction to the main road & design of confluence:

1



	Number and area obasement:	of NA			
	Number and area opodia:	of NA			
	Total Parking area	: 495.69 Sq. m			
	Area per car:	12.5 Sq. m.			
	Area per car:	12.5 Sq. m.			
Parking details:	Number of 2- Wheelers as approved by competent authority:	20			
	Number of 4- Wheelers as approved by competent authority:	2		08	
	Public Transport:	Not Applicable			
	Width of all Intern roads (m):	Approx. 6 metre			
	CRZ/ RRZ clearance obtain, if any:	Not Applicable			
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries No protected areas near project site				
	Category as per schedule of EIA Category B: 5 (f) Notification sheet Category B: 5 (f)				
	Court cases pendin if any	ng Not Applicable			
	Other Relevant Informations	Not Applicable			
	Have you previous submitted Application online on MOEF Website.	Yes			
	Date of online submission	24-08-2017			
SEAC	DISCUSSIO	N ON ENVIRONM	ENTAL	ASPECTS	
Environmental Impacts of the project	Not Applicable				
Water Budget	Not Applicable				
Waste Water Treatment	Not Applicable				
Drainage pattern of the project	Not Applicable				
Ground water parameters	Not Applicable				
Solid Waste Management	Not Applicable				
Abhay Pimparkar (Secre SEAC-I)	etary SEAC Meeti	ng No: 153rd A (Day-2) Meeting Date: July 26, 2018	Page 10 of 65	Signature: Name: Dr. Umakant Ganpetreo Dangan Dr. Umakant Dangat (Chairman SEAC-I)	

Air Quality & Noise Level issues	Not Applicable
Energy Management	Not Applicable
Traffic circulation system and risk assessment	Not Applicable
Landscape Plan	Not Applicable
Disaster management system and risk assessment	Not Applicable
Socioeconomic impact assessment	Not Applicable
Environmental Management Plan	Not Applicable
Any other issues related to environmental sustainability	Not Applicable
	Brief information of the project by SEAC

PP obtained ToR from EAC, MoEF&CC on 13-14 August, 2015.

PP submitted their EIA/EMP reprot on 23.05.2018, the proposal was considered in the 151st meeting of SEAC-1 held on 24.05.2018. As EIA/EMP was submitted just before the meeting the proposal was deferred as it was not studied by the expert memb

DECISION OF SEAC

During deliberations it was observed that PP has not complied with the ToR points given by the MoEF&CC.

In view of above SEAC decided to defer the proposal till PP submits compliance of points rasied in the ToR.

Hence ,Deferred

Specific Conditions by SEAC:

FINAL RECOMMENDATION

SEAC-I decided to defer the proposal till PP submits the additional information as per above conditions within 30 days



153rd (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd A (Day-2) Meeting Date July 26, 2018

Subject: Environment Clearance for Proposed expansion of existing Synthetic Organic chemicals manufacturing facility by Galaxy Laboratories Pvt. Ltd., Plot No. B-10, MIDC Newasa, Tukai- Shingve, Dist. Ahmadnagar

Is a Violation Case: No

is a violation case: No				
1.Name of Project	Proposed expansion of existing Synthetic Organic chemicals manufacturing facility by Galaxy Laboratories Pvt. Ltd., Plot No. B-10, MIDC Newasa, Tukai- Shingve, Dist. Ahmadnagar			
2.Type of institution	Private			
3.Name of Project Proponent	Galaxy Laboratories Pvt. Ltd.			
4.Name of Consultant	Aditya Environmntal Services Pvt. Ltd.			
5.Type of project	Industrial			
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion in existing manufacturing facility			
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Yes. Existing Environment clearance- EC letter No. SEIAA-EC-0000000048 dated 24th April 2017			
8.Location of the project	Plot No. B-10, MIDC Newasa, Ahmadnagar			
9.Taluka	Newasa			
10.Village	Shigve tukai			
Correspondence Name:	Mr. Shrikant Deshmukh			
Room Number:				
Floor:				
Building Name:				
Road/Street Name:	-			
Locality:	Ahmednagar			
City:	Ahmednagar			
11.Area of the project	MIDC Newasa			
	MIDC approval			
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: MIDC approval			
	Approved Built-up Area: 17717.05			
13.Note on the initiated work (If applicable)	Not applicable			
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval			
15.Total Plot Area (sq. m.)	48,400 sq.m			
16.Deductions	Not applicable			
17.Net Plot area	Not applicable			
	a) FSI area (sq. m.): Not applicable			
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): Not applicable			
	c) Total BUA area (sq. m.):			
	Approved FSI area (sq. m.):			
	Approved FSI area (sq. m.):			
18 (b).Approved Built up area as per	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.):			
18 (b).Approved Built up area as per DCR				
	Approved Non FSI area (sq. m.):			
DCR	Approved Non FSI area (sq. m.): Date of Approval:			

22.Number of buildings & its configuration



Serial number	Buildin	g Name & number	Number of floors	Height of the building (Mtrs)		
1	Ν	lot applicable	Not applicable	Not applicable		
23.Number tenants an		Not applicable				
24.Number expected re users		Not applicable				
25.Tenant per hectar		Not applicable				
26.Height building(s)						
27.Right of (Width of t from the n station to t proposed b	the road earest fire the	Min. 6 m				
28.Turning for easy ac fire tender movement around the excluding t for the plat	cess of from all building the width	<u> </u>				
29.Existing structure (s) if any Existing Unit is already operating Hydrogen manufacturing facility at site whic under EIA notification, 2006. In present scenario construction work is in progra environment clearance & Consent to establish.						
30.Details demolition disposal (I applicable)	with f	Not applicable	A			
		31.P	roduction Details			

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Hydrogen gas	250 Nm3/Hr	0	250 Nm3/Hr
2	Furfuraldehyde (Furfural)	50	0	50
3	Furfural alcohol	30	0	30
4	Furfuryl amine	40	0	40
5	Cyclohexenyl Ethyl amine (CHEA)	10	0	10
6	Triclabendazole (Crude)	8.4	0	8.4
7	5-Chloro-4-Amino-2,1,3 Benzothidiazole	2	0	2
8	2-Furoic acid	5	0	5
9	Betaphenyl Ethyl Amine (BPEA)			20
10	Polly Allylamine Hydrochloride (PAAH)	13.5	0	13.5
11	Chlorohexanone (6- Chloro-2-Hexanone)	20	0	20
12	Furan	50	0	50

all the opening			Signature: Name: Dr. Umakan Gangetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting		Dr. Umakant Dangat
SEAC-I)	Date: July 26, 2018	0) 05	(Chairman SEAC-I)

13	Cinnamy	/l alcohol	(0	50		50	
14	Phenyl I	Propanol	(0	20		20	
15	Allyla	amine	(0	5		5	
16	Anethole		0		20		20	
17	Spent acid (By product)		42	2.5	0		42.5	
18	Sodium hydrosulphide solution (By product)		15	5.6	31		46.6	
19	Potassium bromide		18	5.5	0		185.5	
20	Polyaluminium Chloride solution (PAC) (16% w/w of Al2O3) (By product)		(0	135.75		135.75	
	- -	3	2.Tota	l Wate	r Require n	nent		
		Source of v	water	MIDC				
		Fresh wate	er (CMD):	93 cmd (as	per existing EC let	ter)		
		Recycled w Flushing (
		Recycled w Gardening						
		Swimming pool make up (Cum):						
Dry season	1:	Total Water Requirement (CMD) :		165 cmd (Fresh water-93 cmd + Recycle water- 72 cmd) (as per existing EC letter)				
		Fire fighting - Underground water tank(CMD):						
		Fire fighting - Overhead water tank(CMD):						
		Excess treated water						
		Source of water						
		Fresh wate	er (CMD):					
		Recycled water - Flushing (CMD):						
	c V	Recycled w Gardening						
		Swimming pool make up (Cum):						
Wet season:		Total Water Requirement (CMD)						
		Undergrou	Fire fighting - Underground water tank(CMD):					
		Fire fightin Overhead v tank(CMD)	water					
		Excess trea	ated water					
Abhay Pimparkar (Secretary SEAC Meeting N			No: 153rd A (te: July 26, 20		Page 14 of 65	Signature: Name: Dr. Umakant Gangetreo Dangat Dr. Umakant Dangat (Chairman SEAC-I)		

Details of 9 pool (If an		ng								
F · · · · ·	<i>,</i>	33	.Detail	s of Tota	l water co	nsume	d			
Particula rs	Cons	sumption (CM	umption (CMD) Loss (CMD) Effluent							
Water Require ment	Existing	Proposed	Total	Existing Proposed Total Existing Proposed Tot						
Domestic	28	0	28	3	0	3	25	0	25	
Industrial Process	20	0	20	0	0	0	20	0	20	
Cooling tower & thermopa ck	89	0	89	62	0	62	27	0	27	
Gardening	28	0	28	28	0	28	0	0	0	
34.Rain V Harvestir (RWH)		Level of the of water table: Size and no of tank(s) and Quantity: Location of t tank(s): Quantity of r pits: Size of recha : Budgetary al (Capital cost) Budgetary al (O & M cost) Details of UC if any :	of RWH he RWH echarge rge pits location) : location :	Near main g 10 Lakh as p	per existing EC			apacity		
35.Storm water drainage Size of SWD:			 							



		Sewage ge in KLD:	neration	25 cmd						
		STP techn	ology:	Not applicable. Sewage existing ETP.	will be added in Aeration	n tank for treatment in				
Sewage	and	Capacity o (CMD):	f STP							
Waste w	ater	Location & the STP:	area of							
Budgetary allocation (Capital cost):										
		Budgetary (O & M cos	allocation st):							
			36.Solie	d waste Mana	gement	0				
Waste gen	eration in	Waste gen	eration:	Minor quantity of debris	will be generate.					
the Pre Co and Constr phase:	nstruction	Disposal o constructi debris:		Construction wast debri	s will be reused for level	ling of plot.				
		Dry waste:		Fly ash- 1850 TPA, Spen	nt corn cob- 5000 TPA					
		Wet waste	•							
Waste ge		Hazardous	waste:	ETP sludge, Distillation Residue, Chlorinated Distillation Residue, Contaminated filter/ Bags, Process residue (iron sludge) , Spent Catalyst , Spent Charcoal, Contaminated Drums/ Barrels/ liners						
in the operation Phase:		Biomedica applicable		Not applicable						
		STP Sludg sludge):	e (Dry	Not applicable						
		Others if a	ny:	Not applicable						
		Dry waste:		Fly ash will be sent to brick manufacturer / secured landfill. Spent corn con will be burnt as fuel in boiler/ Thermic Fluid heater.						
		Wet waste	:							
Mode of 1	Disposal	Hazardous	waste:	Hazardous waste will be disposed off as per Hazardous waste rule 2016.						
of waste:	Disposai	Biomedica applicable		Not applicable						
		STP Sludg sludge):		Not applicable						
		Others if a	ny:	Not applicable						
		Location(s):	As per norms						
Area requirem	ent:	Area for th of waste & material:		As per norms						
		Area for m	achinery:							
Budgetary		Capital cos	st:	2 lakh (as per existing EC)						
(Capital co O&M cost)		O & M cos	t:	5 lakh pr annum (as per	existing EC)					
				fluent Charectere	estics					
Serial Number	Paran	neters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)				
1	p	Н		6-9	6.5-9	6.5-9				
2	Chemica dem	l oxygen	mg/L	2500-3000	< 250	< 250				

agentimess			Signature:
<i>—</i> ,			Name: Dr. Umakant Gangetreo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	Page 16	Dr. Umakant Dangat
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3	Biological oxygen	mg/L	1000	-1500	<1	.00	<100		
4	demand Total Dissolved solids	mg/L	1100	-1200	- 2	100	2100		
5	Total suspended solids	mg/L		-200		100	100		
6	Oil & Grease	mg/L		10	< 100		100		
7	Chlorides	mg/L		-300		500	600		
8	Sulphates	mg/L					< 1000		
	effluent generation	72 cmd	<i></i>						
Capacity of	the ETP:	75 cmd							
	treated effluent	72 cmd							
	water send to the CETP:	Not applica	ble. Unit wil	l maintain Z	ERO LIQUID	DISCHARG	E FACILITY.		
Membershi	p of CETP (if require):	Not applica	ble						
Note on ET	P technology to be used	Neutralizat	ion tank > P	ri. clarifier >		nk > Sec. cl	Fenton treatment > arifier > Sand filter >		
Disposal of	the ETP sludge	Not applica	ble						
		38.H a	zardous	Waste D	etails				
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1	Chemical sludge from waste water treatment	35.3	TPA	30	0	30	CHWTSDF		
2	Distillation Residue	20.3	TPA	275	150	425	CHWTSDF/ Used as Fuel in Boiler		
3	Distillation Residue (chlorinated)	20.3	ТРА	25	0	25	CHWTSDF		
4	Contaminated filter/ Bags	33.2	TPA	2	0	2	CHWTSDF		
5	Process residue (iron sludge)	28.1	TPA	45	0	45	CHWTSDF		
6	Spent Catalyst	28.2	TPA	225	20	245	CHWTSDF/ Authorized Recycler/ Return to manufacturer		
7	Spent Charcoal	28.3	TPA	40	0	40	CHWTSDF/ Used as Fuel in Boiler		
8	Contaminated Drums/ Barrels/ liners	33.1	Nos./A	500	300	800	MPCB authorized Drum recycler		
	C	39.St	acks em	ission D	etails				
Serial Number	Section & units	Fuel Us Qua	ed with ntity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases		
1	Thermopac (Existing)	Coal- 24	0 kg/day	1	30				
2	Reactor (Existing)	-	-	2	11				
3	320 KVA DG set (Existing)	HSD- 64	4 Lit/Hr	3	3.5		150		
4	3 TPH Boiler (Existing)	Coal- 1	15 TPD	4	30	0.6	180		

ageno Aness		Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	Dr. Umakant Dangat
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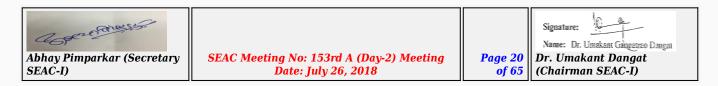
5	6 lacKcal/Hr th fluid heater (Ex				5		30	0.3	35	240
6	HCl scrubb (Existing)	er			6	;	18			ambient temp
7	Ammonia scru (Existing)		-		7	,	18			ambient temp
8	H2S scrubb (Existing)		-		8	5	18		-	ambient temp
9	320 KVA DG (Proposed		ISD- 6	4 Lit/Hr	9		3.5		-	150
		4	0.De	tails of F	r uel t	to be	e used			
Serial Number	Type of	Fuel		Existing			Proposed			Total
1	Coa	ıl		15.24 TPD			0			15.24 TPD
2	Furnac	e oil		1.7 TPD			0			1.7 TPD
3	HSI	D		64 Lit/Hr			64 Lit/Hr			128 Lit/Hr
41.Source of Fuel From nearby vendors										
42.Mode of	Transportation o	of fuel to site	By ro	ad						
				-				5		
Total RG area :										
	No :	of trees to b	be cut Not applicable							
43.Gree	n Belt be	mber of tree planted :	as per green belt development							
Develop	LIG	t of proposed ive trees :	.d							
	con	neline for npletion of ntation :		as per proje	ect plai	nning				
	44.Numbe	er and lis	t of t	rees spe	cies	to b	e planteo	d in t	t he g	round
Serial Number	Name of the			n Name		Quar		_	aracte	ristics & ecological mportance
1			-				-			
45	5.Total quantity	of plants on	grou	nd						
46.Num	nber and lis	t of shruk	s an	d bushes	s spe	cies	to be pla	ante	d in t	the podium RG:
Serial Number	Nam	ne		C/C Dista	nce				Area	m2
1										
47.Energy										



		Source of p supply :	ower	Maharashtr	a Stat	e Electricity Distribution Co. Ltd.				
		During Con Phase: (Der Load)		320 KVA						
		DG set as P back-up du constructio	ring	320 KVA DG set (in case of emergency)						
			eration nected	320 KVA						
require		During Ope phase (Den load):		320 KVA						
		Transforme	er:	Not applical	ble					
		DG set as P back-up du operation p	ring	2 nos. of 320 KVA DG set (in case of emergency)						
		Fuel used:		HSD: 64 Lit	/Hr ea	ch DG set (in case of emergency)				
Details of high tension line passing through the plot if any:			e passing	Not applica	ble	- CON				
		48.Ene	rgy savi	ng by noi	1-CO	nventional method:				
		49).Detail	calculati	ons	& % of saving:				
Serial Number	E	nergy Conse				Saving %				
1										
		50.	Details	of polluti	on c	ontrol Systems				
Source	Ex	isting pollut	ion contro	l system		Proposed to be installed				
Air pollution	Dust colle	ector/ Bag filt	er & Adequ	ate stack hei	ght					
Water pollution		Effluent t	reatment pla	ant						
Solid & Hazardous waste	D	isposed of to	CHWTSDF/	Recyclr						
Noise pollution		Enclo	osure/ PPE							
Budgetary		Capital cos	t:	10 Lakhs (a	s per e	existing EC)				
	(Capital cost and O&M cost): O & M cost:									
51	.Enviro	onment	al Mar	nageme	nt j	olan Budgetary Allocation				
		a) (Construc	ction pha	se (v	with Break-up):				
Serial Number	Attri	butes	Parar	neter		Total Cost per annum (Rs. In Lacs)				
1	-	-	-	-						
b) Operation Phase (with Break-up):										

appropringes			Signature: Name: Dr. Umakant Gaugetrao Dangai
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	•	Dr. Umakant Dangat
SEAC-I)	Date: July 26, 2018		(Chairman SEAC-I)

Serial Number	Con	iponent	Description		Cap	ital cost Rs Lacs	. In		tional and ost (Rs. in	Maintenance Lacs/yr)
1		Air		Air Pollution Control (as per existing EC)		20			2	
2	Moi	nitoring	Environment Monitoring (as p existing EC)	er	5		2			
3	V	Vater	Water Pollution Control (as per existing EC)			45			5	
4	Soli	d waste	Hazardous waste Solid waste management (as p existing EC)			2			5	
5	Gre	een Belt	Green Belt development (as p existing EC)	ber		2			3	
6	Healtl	h & safety	Occupational healt safety (as per exist EC)						2	
7	CSR	activities	Social welfare & upliftment (as pe existing EC)		- ~		12			
8	Other Gre	een Initiatives	Rain Water Harves (as per existing E		10		1			
9	Other Gre	een Initiatives	Solar Power/LED (as per existing EC) 5							
10	Other Gre	een Initiatives	Energy Conservation (as per existing EC) 5							
51.S	torag	e of che	emicals (inf sub		nabl ance	-	osiv	/e/haz	zardou	s/toxic
Descri	ption	Status	Location	Caj	orage pacity 1 MT	Maximum Quantity of Storage at any point of time in MT	/ M	umption onth in MT	Source of Supply	Means of transportation
Metha	anol	Existing	within plot	ea	Nos. ch 15 KL	75 KL		132	Nearby source	By road tanker
Hydroge	en gas	Existing	within plot	120 l (2.49		Nos. 19 kg per 299 Kg nder)		3.5	Nearby source	Pipeline
Tolue	ene	Existing	within plot	2 Nos. each 15 KL		30 KL		1.4	Nearby source	By road tanker
Furnac	ce oil	Existing	within plot		los. of 5 KL	15 KL		51	Nearby source	By road tanker
			52.Any Ot	her	r Info	ormation	1			
No Informa	tion Availa	ble								
			53.Traffi	ic N	Iana	gement				



	Nos. of the junction to the main road & design of confluence:	Not applicable
	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	4842.51 sq.m
	Area per car:	Not applicable
	Area per car:	Not applicable
Parking details:	Number of 2- Wheelers as approved by competent authority:	Not applicable
	Number of 4- Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	Min 6 m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5 (f)- B
	Court cases pending if any	Not applicable
Si	Other Relevant Informations	Galaxy Laboratories Pvt. Ltd. applied for Environmental clearance for various products under Category 5(f)- B as per EIA notification, 2006, in October 2015 (Proposal No. SIA/MH/IND2/3422/2015) and received the Environmental clearance on 24th April 2017 vide EC letter No. SEIAA- EC-0000000048 from SEIAA, Maharashtra. We wish to increase our manufacturing capacity within existing facility. We request you to kindly allow us to re-use earlier Baseline monitoring data of Winter 2015-16 for Preparation of EIA report for Proposed expansion project as per MoEFCC OM no. J-11013/41/2006-IA-II (I) (Part) dated 29th August 2017. We request you to permit us as said above.
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	16-12-2017
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS





Drainage pattern of the project Ground water parameters Solid Waste	Not Applicable As per data submitted by PP, ground water parameters are within the prescribed limits at project site. PP to obtain permission from CGWA in case they have to use ground water as per Public Notice issued by Ministry of Water Resources on 29.06.2018. The construction waste will be reused for levelling of the plot. Fly ash will be sent to brick manufactureres. Apent corn will be burnt in the boiler /thermic fluid heater. Hazardous waste
Management Air Quality & Noise Level issues	will be sent for dispsoal to CHWTSDF facility. As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
Energy Management	The electrical demand for proposed project is 320 KVA, which will be supplied by MSEDCL. PP also proposes two numbers of 320 KVA DG set with HSD as a fuel.
Traffic circulation system and risk assessment	PP proposes 4842 Sq. m. area for parking along with six meter wide internal roads.
Landscape Plan	PP proposes to provide 33% green belt.
Disaster management system and risk assessment	PP carried out HAZOP and provided measures to handle an emergency situations.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Environmental Management Plan	PP proposes Rs. 94 Lakhs as capital EMP cost and Rs. 32 Lakhs as O & M cost to maintain environmental parameters.
Any other issues related to environmental sustainability	Not Applicable
	Brief information of the project by SEAC

agger or anger			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	.	Dr. Umakant Dangat
SEAC-I)	Date: July 26, 2018	05 05	(Chairman SEAC-I)

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

PP has obtained earlier EC vide No. 00000048 dated 24.07.2017

PP also submitted the certified complaince report received from the Regional Office of MoEF &CC dated 15.01.2018.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

PP to carryout base line monitoring activity after grant of ToR and use the same of the preparation of the EIA/EMP report.

ToR was granted to the PP in 146th meeting of SEAC-1 held on 30.01.2018 subject to the additional ToR points.

1. PP to submit certificate of incorporation of the company, list of directors and memorandum of articles.

2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, parking areas, waste storage areas, 33% green belt, rain water harvesting etc.

3. PP to include detailed material balance charts for each product showing consumption of raw material, quantity of air/solid/liquid /hazardous wastes generation sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.

4. PP to submit detailed water balance calculation showing water required for each activity, water required for domestic use , generation of waste water and its treatment and disposal mechanism along with design of Effluent Treatment Plant and commitment for achieving treated effluent parameters.

5. PP to submit copy of HAZOP and Quantitative Risk Assessment Report.

6. PP to submit specific CSR activities including funds allocated for CSR, activities to be involved with time lines for its implementation in consultation with the District Authorities. PP to maintain separate accounts for CSR/EMP funds.

7. PP to copy of on site emergency plan.

8. PP to submit details of effluent treatment plant considering generation of domestic sewage. Plant should be a Zero Liquid Discharge as no CETP exists in the industrial area of Jejuri.

9. PP to include chemical handling protocol in the EIA report.

10. PP to submit structural stability certificate of existing buildings on the site.

11. PP to provide lighting arrestors.

12. PP to provide solar energy for the illumination of administrative building area and street lights.

Now PP submitted the EIA/EMP report.

ager of the state			Signature: Name: Dr. Umakant Gangetrao Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	Page 23	Dr. Umakant Dangat
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DECISION OF SEAC

After detailed deliberations with the PP and their accredited consultant, SEAC decided to recommend the proposal to the SEIAA for prior Environment Clearance subject to the following conditions..

Specific Conditions by SEAC:

1) PP to use briquettes as a fuel in the proposed plant. In case of non availability of briquette, PP may use coal having ash content less than 10%.

2) PP to prepare and implement CER plan in consultation with the District Authorities.

FINAL RECOMMENDATION

stiller and the second SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

agroans 1 ŝ. Signature: Name: Dr. Umakant Gangatrao Dangat SEAC Meeting No: 153rd A (Day-2) Meeting Dr. Umakant Dangat Abhay Pimparkar (Secretary **Page 24** Date: July 26, 2018 (Chairman SEAC-I) SEAC-I) of 65

	153rd (A) M	leeting	J of State	Level Expert Appraisal C	Committee (SEAC-1)		
	SEAC N	Meeting	g number:	: 153rd A (Day-2) Meeting Da	ate July 26, 2018		
Subject: En	vironment Clea	rance for	RPG Life So	ciences Ltd., Plot No- 25/25A, TTC	MIDC, Pawne, Navi Mumbai 400703		
Is a Violati	on Case: No						
General I Pune- 411		Venue:	CSIR- Nat	ional Chemical Laboratory (N	CL)Guesthouse, Pashan Road,		
1.Name of Pi	roject		Modernization Ingredients (A	n with change in product mix for manuf API)	acturing of Active Pharmaceutical		
2.Type of ins	titution		Private				
3.Name of Pr	roject Proponent	,	Mr. Vinod S.	Narkhede (Assistant General Manager -	- EHS)		
4.Name of Co	onsultant		Goldfinch Eng	gineering Systems Private Limited			
5.Type of pro	oject		Not applicabl	e			
	ct/expansion in e ernization/divers roject		Modernizatio	n with change in product mix			
whether envi	n/diversification ironmental clear ained for existin	ance	NA		00,		
8.Location of	f the project		Plot No- 25/2	5A, TTC MIDC, Pawne, Navi Mumbai - 4	400703		
9.Taluka			Navi-Mumbai				
10.Village			Pawne Village	e			
11.Area of th	ie project		TTC MIDC, P	awne, Navi Mumbai			
12 100/104/			NA				
Approval Nu	Concession/Plan mber		IOD/IOA/Con	ncession/Plan Approval Number: NA			
			Approved Bu	uilt-up Area: 9352			
13.Note on t applicable)	he initiated work	k (If	Nil				
	C / IOD from MH vals (If applicable		NA				
15.Total Plot	t Area (sq. m.)		34483 Sq. m				
16.Deduction	ns		Not applicabl	e			
17.Net Plot a	area		Not applicabl	e			
10 () D			a) FSI area ((sq. m.): Not applicable			
18 (a).Propos Non-FSI)	sed Built-up Are	a (FSI &	b) Non FSI a	area (sq. m.): Not applicable			
			c) Total BUA	A area (sq. m.):			
10 (1)			Approved FS	SI area (sq. m.):			
18 (b).Appro DCR	ved Built up area	a as per	Approved No	on FSI area (sq. m.):			
			Date of Approval:				
19.Total grou	und coverage (m	2)	Not applicable				
	overage Percenta ntage of plot not		Not applicable				
21.Estimated	l cost of the proj	ect	811000000				
	22.1	Num	ber of k	ouildings & its conf	figuration		
Serial number	Building N	ame & 1	number	Number of floors	Height of the building (Mtrs)		
1	Not a	applicabl	e	Not applicable	Not applicable		
23.Number tenants and	No	t applica	ble				



24.Number expected re users		Not applical	Not applicable								
25.Tenant per hectar		Not applical	lot applicable								
26.Height building(s)											
27.Right of (Width of t from the n station to t proposed b	che road earest fire the	9 m									
28.Turning for easy ac fire tender movement around the excluding t for the play	cess of from all building the width	Not applica	ble		108						
29.Existing structure (Not applical	ble								
30.Details demolition disposal (I applicable)	with f	Not applica	ble	00	5						
			31.Product	ion Details							
Serial Number	Pro	luct	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)						
1	A) Dit	uretic	-	-	-						
2	1.Spironol	actone etc.	0.3333	Deleted	Deleted						
3	B) Anti-F	sychotic	0.35	-	-						
4	1. Halope	eridol etc.		Continue	Continue						
5	2.Halo Decano	peridol oate etc		Continue	Continue						
6	3. Risperi	done etc.	<u>V</u> .	Continue	Continue						
7	4. Olanza	pine etc.	-	Deleted	Deleted						
8	5. Aripipr	azole etc.	-	Deleted	Deleted						
9	6. Que Hemifum	tiapine arate etc.	-	Deleted	Deleted						
10	C) Anti-Anclas	rrhythmic ss I	0.0125	-	-						
11	1. Disop Phosph		-	Continue	Continue						
12	D) Anti-	Emetic	0.0100	-	-						
13	1. Dimenhy	drinate etc.	-	Deleted	Deleted						
14	E) Anti-D	iarrhoeal	1.000	-	-						
15	1. Dipheno et	xylate HCL c.	-	Continue	Continue						
16	F Immunosu	') Ippressant	1.6667	-	-						
17	1. Azathio		-	Continue	Continue						

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SLAC-I)	Dute: July 20, 2010	0,05	(Chairman SEAC-I)

18	2. Mycophenolate Mofetil etc.	-	Continue	Continue
19	3. Mycophenolate Sodium etc.	-	Continue	Continue
20	4. Fingolimod etc.	-	Deleted	Deleted
21	G) Collinergic Blockers	0.1000	-	-
22	1. Propantheline Bromide etc.	-	Continue	Continue
23	H) Anthelmentic	0.1667	-	-
24	1. Quinfamide etc.	-	Continue	Continue
25	I) Anti- Thrombotic/Anti- Platelet	1.1250	-	
26	1. Clopidogrel Bisulphate etc.	-	Continue	Continue
27	2. Clopidogrel Besylate etc.	-	Continue	Continue
28	3. Ticlopidine HCL etc.	-	Continue	Continue
29	J) Anti-Convusant	0.1250	-	-
30	1. Lamotrigine etc	-	Continue	Continue
31	K) Anti-Depressant	0.0525	·	-
32	1. Sertraline HCL etc.	-	Continue	Continue
33	2. Escitalopram oxalate etc.	-	Deleted	Deleted
34	L) Anti-Anginal	0.5000	-	-
35	1. Nicorandil etc.	-	Continue	Continue
36	2. Ivabradin HCL etc.		Deleted	Deleted
37	M) Anti-Alzheimer	0.0167	-	-
38	1. Donepezil etc.	· · · · ·	Deleted	Deleted
39	N) Anti-Hypertensive	0.1250	-	-
40	1. Tolvaptan etc		Continue	Continue
41	2. Benidipine.HCl etc.	-	Continue	Continue
42	3. Solifenacin etc.	-	Continue	Continue
43	4. Irbesartan etc.	-	Deleted	Deleted
44	5. Lercanidipine HCL etc.	-	Deleted	Deleted
45	6. Eplirenone etc	-	Deleted	Deleted
46	7. Candisartan celextil etc.	-	Deleted	Deleted
47	8. Conivaptan etc	-	Deleted	Deleted
48	O) Anti-Migrane	0.0167	-	-
49	1. Eletriptan Etc.	-	Deleted	Deleted
50	P) Anti-Gout	0.0167	-	-
51	1. Febuxostat Etc.	-	Deleted	Deleted
52	Q) Anti-Obesity	0.0467	-	-
				Deleted
53	1. Orlistate Etc.	-	Deleted	Deleted

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55	1. Tami	iflu Etc.		-	Deleted	Deleted	
56	S) Anti-I	Ulcerant	0.2	000	-	-	
57		aprazole drate etc.		-	Continue	Continue	
58	2. Lafuti	dine etc.		-	Deleted	Deleted	
59		aprazole .m etc		-	Added	Added	
60		anti- rathyroid		-	-	-	
61	1. Cinacalo	et.HCl etc.		-	Added	Added	
62	TO	ΓAL	5.88	MT/M	70.56 MTA	70.56 MTA	
63	products a	S shall ure any 15 t a time on yn basis.		-	-	. 68	
64	in production production will remain 5.88 TPM the pro capacity change from month to Annum w	sed change t mix total n capacity n same, i.e. , however duction will get om Ton per o Ton per o Ton per which will 0.56 TPA.		-		90 ¹ .	
		3	2.Tota	l Wate	r Requiremen	it	
		Source of	water	Not applica	able		
		Fresh wate	er (CMD):	Not applica	able		
		Recycled w Flushing (Not applica	able		
		Recycled w Gardening		Not applica	able		
		Swimming make up (Not applica	cable		
Dry season	: Fire figh		er ent (CMD)	Not applica	able		
			nd water	Not applica	able		
	5	Fire fightin Overhead tank(CMD)	water	Not applica	able		
		Excess trea	ated water	Not applica	able		



		Source of wa	ter	Not applical	ole				
		Fresh water	(CMD):	Not applical	ole				
		Recycled wat Flushing (CM		Not applical	ole				
Recycled water - Gardening (CMD):				Not applical	ole				
		Swimming po make up (Cu	ool m):	Not applical	ole				
Wet seasor		Total Water Requirement :	t (CMD)	Not applical	ble				
		Fire fighting Underground tank(CMD):		Not applical	ole			0	
		Fire fighting Overhead wa tank(CMD):		Not applical	ole				
		Excess treate	ed water	Not applical	ole				
Details of 9 pool (If any		Not applicable	9						
		33	.Detail	s of Tota	l water co	nsume	d		
Particula rs	Cons	umption (CM	D)	Loss (CMD) Effluent (CMD)					
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	70	0	70	10	0	10	60	0	60
Industrial Process	160	0	160	52	0	52	108	0	108
Cooling tower & thermopa ck	60	0	60	48	0	48	12	0	12
Gardening	60	0	60	60	0	60	0	0	0
Fresh water	350	0	350	170	0	170	180	0	180
requireme nt									



	1	
	Level of the Ground water table:	NA
	Size and no of RWH tank(s) and Quantity:	NA
	Location of the RWH tank(s):	NA
34.Rain Water	Quantity of recharge pits:	NA
Harvesting (RWH)	Size of recharge pits :	NA
	Budgetary allocation (Capital cost) :	NA
	Budgetary allocation (0 & M cost) :	NA
	Details of UGT tanks if any :	 1) 15 KL - 3 Nos Petroleum Class "A" - Bulk Petroleum Storage 2) 7 KL - 3 Nos Petroleum Class "A" - Bulk Petroleum Storage 3) 400 KL - 1 Nos MIDC Water & Fire Water - Fire water & Water Storage tank
	Natural water drainage pattern:	Proper and separate storm water drains available, as per natural slope.
35.Storm water drainage	Quantity of storm	NA
	Size of SWD:	NA
	Sewage generation in KLD:	60
	STP technology:	Sewage treated in septic tank and overflow pumped to aeration tank of ETP for combined treatment
Sewage and	Capacity of STP (CMD):	NA
Waste water	Location & area of the STP:	NA
	Budgetary allocation (Capital cost):	NA
	Budgetary allocation (O & M cost):	NA
	36.Soli	d waste Management
Waste generation in	Waste generation:	NA
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	NA
	Dry waste:	1) Paper, Wood, Plastic and Metals - 18 MTA, 2) Discarded, Detoxicated containers / Barrels (M.S./HDPE Drums 200 Ltrs. Cap.) - 684 Nos./A, 3) Garbage like Paper, Corrugated Boxes, Plastics, Fibre drums, Brooms, Wipers, Floor cleaning mops, Tea cups, disposable approns, head caps & shoe covers etc. 36 MTA.
Waste generation	Wet waste:	NA
in the operation	Hazardous waste:	644.960 MTA
Phase:	Biomedical waste (If applicable):	NA
	STP Sludge (Dry sludge):	NA
	Others if any:	NA
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		Dry waste:		1) Sale to au to authorized			/ Sale to au	thorized party, 3) Sale		
		Wet waste		NA		-				
Mode of 1	Disposal	Hazardous	waste:		norized deale	er on buy bao	ck procurem	tery manufacturer ient, 3) Sale to		
of waste:		Biomedica applicable		NA						
		STP Sludg sludge):	e (Dry	NA						
		Others if a	ny:	NA						
		Location(s):	Area of stora Hazardous &			lucts & Area	a of storage of		
Area requirem	ent:	Area for th of waste & material:		1) storage of Hazardous &				n , 2) storage of		
		Area for m	achinery:		rmopacks, c			Area used for utilities ing towers, ETP and		
	allocation	Capital cos	st:	81.10 Crs.						
(Capital co O&M cost)		O & M cos	t:	1.622 Crs.			7			
			37.Ef	fluent Ch	arectere	stics				
Serial Number	Paran	neters	Unit	Inlet Effluent Charecterestics Outlet Effluent Charecterestics			Effluent discharge standards (MPCB)			
1	Р	Η	-	8.0 - 1	0.0	7.5 -	8.0	5.5 to 9.0		
2	CC)D	Mg/Lit.	7000 - 8000 100 -160		160	250			
3	BOD (3 day	rs at 27 OC)	Mg/Lit.	3000 -	3000 - 4000 50 - 60			100		
4	TS	SS	Mg/Lit.	1500 -		60 - 70		100		
5		DS	Mg/Lit.	2000 - 3000 700 - 800			2100			
6		Grease	Mg/Lit.							
Amount of e (CMD):	effluent gene	eration	Trade Efflu	ent: 120 CMD	; Domestic :	60 CMD				
Capacity of	the ETP:	7	200 CMD							
Amount of t recycled :	reated efflue	ent	Nil							
Amount of v	water send to	o the CETP:	200 CMD							
Membershi	p of CETP (if	require):	Yes							
Note on ET	P technology	to be used		onal ETP having Primary, Secondary and Tertiary treatment and treated sent to TBIA CETP.						
Disposal of	the ETP sluc	lge	CHWTSDF,	MWML, Talo	ja					
			38.H a	zardous	Waste D	etails				
Serial Number	Desc	ription	Cat	UOM	Existing	Proposed	Total	Method of Disposal		
1		& Filters ated with oil	3.3	MT/A	5.4	0	5.4	CHWTSDF, Taloja		
2	Used /	Spent Oil	5.1	MT/A	1.44	0	1.44	Sale to authorized recyclers / CHWTSDF, Taloja		
3	Distillatio		20.3	MT/A	5.4	0	5.4	CHWTSDF, Taloja		

ageno forest			Signature:
			Name: Dr. Umakant Gangatrao Dangat
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4							Sale to authorized
	Residue & Wastes*	28.1	MT/A	134.4	0	134.4	recyclers / CHWTSDF, Taloja
5	Spent Catalyst	28.2	MT/A	8.0	0	8.0	CHWTSDF, Taloja
6	Spent Carbon	28.3	MT/A	22.0	0	22.0	CHWTSDF, Taloja
7	Off Specification products	28.4	MT/A	2.88	0	2.88	CHWTSDF, Taloja
8	Date expired products	28.5	MT/A	0.72	0	0.72	CHWTSDF, Taloja
9	Spent Solvents	28.6	MT/A	384.0	0	384.0	Reuse / Sale to MPCB authorized party / CHWTSDF, Taloja
10 B	Empty Barrels/Containers/Liners contaminated with Hazardous Chemicals/Wastes	33.1	MT/A	24.0	0	24.0	Reuse / Sale to MPCB authorized party / CHWTSDF, Taloja
	Spent Ion Exchange resin containing toxic metals	35.2	MT/A	0.36	0	0.36	CHWTSDF, Taloja
12	Chemical sludge from waste water treatment	35.3	MT/A	50.0	0	50.0	CHWTSDF, Taloja
13	Oil & Grease skimming residue	35.4	MT/A	4.8	0	4.8	CHWTSDF, Taloja
14	Used Batteries	-	MT/A	0.360	0	0.360	Returned to battery manufacturer through authorized dealer on buy back procurement
15	E-Waste	-	MT/A	1.2	0	1.2	Sale to authorized E- Waste dismanlers / Recyclers.
16	Non Hazardous Wastes	-		-	-	-	-
17 ^P	Paper, Wood, Plastic and Metals	-	MT/A	18.0	0	18.0	Sale to authorized party
10	Discarded, Detoxicated containers / Barrels (M.S./HDPE Drums 200 Ltrs. Cap.)		Nos./A	684.0	0	684.0	Reuse/Sale to authorized party
c d	Garbage like Paper, Corrugated Boxes, Plastics, Fibre drums, Brooms, Wipers, Floor cleaning mops, Tea cups, lisposable approns, head caps & shoe covers etc.	-	MT/A	36	0	36	Sale to authorized party
6		39.Sta	cks emi	ission De	etails		
Serial Number	Section & units	Fuel Used Quant		Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Existing Boiler	PNG - 41.6	SCM/hr.	1	33.3	0.525	145 oC
2	As Optional Fuel for Existing Boiler	FO - 41.6	Kg/hr.	-	-	-	-
		UCD 104	Ka/hr	1	10 M from	0.2	40 oC
3	Existing D G set	HSD - 104	itg/iii.	T	ground	0.2	40.00



Serial Number	Tyj	pe of Fuel			Existing		Proposed		Total
1		PNG		4	41.6 SCM/hr		0		41.6 SCM/hr.
2	FO (As	Optional Fue	l)		41.6 Kg/hr.		0		41.6 Kg/hr.
3		HSD			104 Kg/hr.		0		104 Kg/hr.
41.Source o	of Fuel			1) PN	IG - Mahanag	gar Gas L	imited, 2) FO &	HSD - Local M	ſarket
42.Mode of	Transporta	tion of fuel to	site	1) PN	IG - Direct Pi	ipeline, 2)) By Road		
		Total RG a	rea :		12414 Sq.m	1			
		No of trees		e cut	Nil				
43.Gree		Number of be planted		s to	Around 358	85 nos.			.8
Development List of proposed native trees :					Wad, Pimpa Gulmohor e		eem, Ashoka, Ur	nber, Kadamb	a, Suru, Nilgiri,
		Timeline for completion plantation	ı of		Trees and shrubs already planted at the site				
	44.Nu	mber and	l list	of t	rees spe	cies to	be planted	l in the gr	ound
Serial Number	Name of	the plant	Co	ommo	n Name	Q	uantity		stics & ecological portance
1	1	NA		Ν	A		NA		NA
45	.Total qua	ntity of plan	ts on	grou	nd				
46.Num	nber and	l list of sł	nrub	s an	d bushes	s speci	es to be pla	nted in tl	ne podium RG
Serial Number		Name			C/C Distance Area m2			n2	
1		NA			NA	ANA			
		NA	C		47.Eı	nergy			
	5								

approximation			Signature:
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		Source of p supply :	oower	MSEDCL					
		During Cor Phase: (Der Load)		NA NA					
		DG set as F back-up du constructio	ring	NA					
Dor	107	During Ope phase (Con load):		2975 KW					
Power requirement:		During Ope phase (Den load):		Electric Supply of MSEDCL is available through two different feeders where regular power supply from any of one is always available.					
		Transforme	er:	1) 500 KVA. 2) 500 KVA, 3) 1000 KVA					
		DG set as F back-up du operation p	ring	625 KVA					
		Fuel used:		HSD					
		Details of h tension line through the any:	e passing	No					
		48.Ene	rav savi	na by non-co	nventional method:				
Nil			00	<u> </u>					
		40) Detail	calculations	& % of saving:				
Serial Number	Е	nergy Conse			Saving %				
1			NA		NA				
		50.	Details	of pollution o	control Systems				
Source	Ex	isting pollut		-	Proposed to be installed				
Air	By dispersal into atmosphere throu adequate height.								
Water	Vater Conventional ETP having Primary, secondary and Tertiary treatment, treated effluent is being sent to CETP			-					
Noise	Separate room is provided for existing D.G of 625 KVA & PPE								
Solid Waste	Taloja &			to CHWTSDF , thorized party.	-				
Budgetary		Capital cos	t:	84.5 Lacs					
(Capital cost and O&M cost): O & M cost:		0 & M cost		12.2 Lacs					
Uan		onment	al Mar	nagement	plan Budgetary Allocation				
	.Envire			5					
	.Envire		Construc	ction phase (v	with Break-up):				
	.Enviro	a) (neter	with Break-up): Total Cost per annum (Rs. In Lacs)				
51 Serial	Attri	a) (Para		A *				
51 Serial Number	Attri	a) (butes	Para N	neter A	Total Cost per annum (Rs. In Lacs)				

appropringes		Signature: Name: Dr. Umakant Gaugetrao Dangai
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Number	Component	De	scription	Capital cost Rs. In Lacs		Operational and Maintenance cost (Rs. in Lacs/yr)			
1	AIR POLLUTION CONTROL	S	crubber	1		0.1			
2	WATER POLLUTION CONTROL	Effluent Treatment Plant 3		3		0.5			
3	NOISE POLLUTION CONTROL	Anti-Vibration Pads 0.25		0.25		0			
4	OCCUPATIONAL HEALTH	2) Hea Policy 3 charge First Other i	ical Check-up lth Insurance) Medical Staff es 4) In-House Aid Room 5) infrastructure Equipment	2		1.5			
5	GREEN BELT		_	1			0.5		
6	HAZARDOUS WASTE STORAGE & DISPOSAL		-	1.75	;		-		
7	Total		-	9			2.6		
	Description	Status	Substa	Storage Capacity	Maximum Quantity of Storage at any	Consumption / Month in	Source of Supply	Means of transportation	
				in MT	point of time in	MT	Suppry		
(2 (2 3 Dichl	oronhonyl) Quanidinaimina)	Solid	Ware house		point of time in MT				
,	orophenyl)-Guanidinoimino) 2-(2-chlorophenyl)-2-(6-7-di	Solid	Ware house	0.5	point of time in MT 0.4	0.1133	Local	By Road	
(S)-methyl 2	2-(2-chlorophenyl)-2-(6,7-di	Solid	Ware house	0.5	point of time in MT 0.4 0.25	0.1133 0.0292	Local Local	By Road By Road	
(S)-methyl 2 10% p	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal	Solid Solid	Ware house Ware house	0.5 0.25 0.01	point of time in MT 0.4 0.25 0.005	0.1133 0.0292 0.0007	Local Local Local	By Road By Road By Road	
(S)-methyl 2 10% p 2	2-(2-chlorophenyl)-2-(6,7-di balladium on charcoal - amino pyridine	Solid Solid Solid	Ware house Ware house Ware house	0.5 0.25 0.01 0.15	point of time in MT 0.4 0.25 0.005 0.15	0.1133 0.0292 0.0007 0.0458	Local Local Local Local	By Road By Road By Road By Road	
(S)-methyl 2 10% p 2	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro	Solid Solid Solid Solid	Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5	0.1133 0.0292 0.0007 0.0458 0.4898	Local Local Local Local Local	By Road By Road By Road By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid	Solid Solid Solid Solid Solid	Ware house Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292	Local Local Local Local Local Local	By Road By Road By Road By Road By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro	Solid Solid Solid Solid	Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5	0.1133 0.0292 0.0007 0.0458 0.4898	Local Local Local Local Local	By Road By Road By Road By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite	Solid Solid Solid Solid Solid Solid	Ware house Ware house Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395	Local Local Local Local Local Local Local	By Road By Road By Road By Road By Road By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen	2-(2-chlorophenyl)-2-(6,7-di balladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine	Solid Solid Solid Solid Solid Solid Solid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.2	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800	Local Local Local Local Local Local Local Local	By Road By Road By Road By Road By Road By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluon 4-chloro phen 5-diflurometho	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP)	Solid Solid Solid Solid Solid Solid Solid Solid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.2 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129	Local Local Local Local Local Local Local Local Local	By Road By Road By Road By Road By Road By Road By Road By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1m	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz	Solid Solid Solid Solid Solid Solid Solid Solid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.2 0.5 0.5 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803	Local Local Local Local Local Local Local Local Local Local Local	By Road By Road By Road By Road By Road By Road By Road By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1m 70 %	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate	Solid Solid Solid Solid Solid Solid Solid Solid Solid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.2 0.5 0.5 0.5 0.5 0.5 0.5 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834	Local Local Local Local Local Local Local Local Local Local Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1m 70 %	2-(2-chlorophenyl)-2-(6,7-di valladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz tethyl1H-imidazole Nitrate % sulphuric acid CP	Solid Solid Solid Solid Solid Solid Solid Solid Solid Liquid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Tank Farm	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.2 0.5 0.5 0.5 0.2 0.2 0.2	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0834 0.0167	Local Local Local Local Local Local Local Local Local Local Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1 m 70 %	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile	Solid Solid Solid Solid Solid Solid Solid Solid Solid Solid Liquid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Tank Farm Tank Farm	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.2 0.5 0.5 0.5 0.2 0.2 0.2 0.2 0.2 0.2 0.25	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979	Local Local Local Local Local Local Local Local Local Local Local Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1 m 70 %	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone	Solid Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Tank Farm Tank Farm	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.2 0.2 0.2 0.25 22	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.235 9.98	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308	Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1m 70 % Ad Alpha ace	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone	Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Solid Liquid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Tank Farm Tank Farm Tank Farm Tank Farm	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.2 0.5 0.5 0.2 0.5 0.2 0.5 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.3 0.4 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.36 0.49 0.14 0.2 0.335 9.98 0.64 0.36 0.48	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.0800	Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1m 70 % Ad Adpha acei Ar	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone mino amide pure	Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Solid Liquid Liquid Solid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Tank Farm Tank Farm Tank Farm Tank Farm Ware house Tank Farm	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.5 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.5 0.2 0.8 0.4 0.5 0.01	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.235 9.98 0.64 0.36 0.49	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.0800	Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1 m 70 % Ad Alpha acei Am	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone mino amide pure monium sulphate	Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Liquid Liquid Solid Solid Solid Solid	Ware houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseTank FarmTank FarmTank FarmTank FarmTank FarmTank FarmTank FarmWare houseWare house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.5 0.2 0.3 0.4 0.5 0.01 1.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.235 9.98 0.64 0.36 0.48 0.01 1.5	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.0800 0.0008 1.1625	Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1 m 70 % Ad Alpha ace An Am Cau	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone mino amide pure amonium sulphate ustic potash flakes	Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Liquid Liquid Solid Solid Solid Solid Solid	Ware houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseTank FarmTank FarmTank FarmTank FarmTank FarmWare houseWare house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.2 0.5 0.2 0.5 0.2 0.3 0.4 0.5 0.01 1.5 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.235 9.98 0.64 0.36 0.49 0.14 0.2 0.235 9.98 0.64 0.36 0.48 0.01 1.5 0.4	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.3308 0.0800 0.0008 1.1625 0.1833	Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1m 70 % Ad Alpha acei Alpha acei Am Cau	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone mino amide pure nmonium sulphate ustic potash flakes austic soda flakes	Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Liquid Solid Solid Solid Solid Solid Solid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Tank Farm Tank Farm Tank Farm Tank Farm Ware house Tank Farm Ware house Ware house Ware house Ware house Ware house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.2 0.5 0.2 0.5 0.2 0.3 0.4 0.5 0.5 0.5 1.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.36 0.49 0.14 0.2 0.36 0.49 0.14 0.2 0.36 0.48 0.01 1.5 0.4 1.2	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.0800 0.0008 1.1625 0.1833 0.5167	Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1m 70 % Ad Alpha ace An Alpha ace Cau	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz ethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone mino amide pure monium sulphate ustic potash flakes austic soda flakes Caustic soda lye	Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Liquid Liquid Solid Solid Solid Solid Solid Solid	Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Ware house Tank Farm Tank Farm Tank Farm Tank Farm Ware house Tank Farm Ware house Ware house Ware house Ware house Ware house Tank Farm	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.5 0.2 0.1 1.5 0.5 1.5 10	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.36 0.49 0.14 0.2 0.235 9.98 0.64 0.36 0.48 0.01 1.5 0.4 1.2 8.126	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.0008 1.1625 0.1833 0.5167 7.3543	Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1 m 70 % Ad Alpha ace Alpha ace Cau Cau	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate 6 sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone mino amide pure nmonium sulphate ustic potash flakes austic soda flakes Caustic soda lye nustic soda pallets	Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Liquid Solid Solid Solid Solid Solid Solid Solid Solid	Ware houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseTank FarmTank FarmTank FarmTank FarmWare houseWare houseMare houseMare house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.5 0.2 0.3 0.4 0.5 0.5 1.5 10 0.1	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.235 9.98 0.64 0.36 0.48 0.01 1.5 0.4 1.2 8.126 0.1	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.3308 0.3308 0.0800 0.0008 1.1625 0.1833 0.5167 7.3543 0.0250	Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1 m 70 % Ad Alpha ace Alpha ace Cau Cau	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate % sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone mino amide pure monium sulphate ustic potash flakes austic soda flakes Caustic soda pallets oro butyrophenone(CFB)	Solid Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Solid Solid Solid Solid Solid Solid Solid Solid Solid	Ware houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseTank FarmTank FarmTank FarmTank FarmWare houseWare houseWare houseWare houseWare houseWare houseTank FarmWare houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseTank FarmWare houseTank Farm	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.5 0.2 0.3 0.4 0.5 1.5 10 0.1 0.5	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.235 9.98 0.64 0.36 0.48 0.01 1.5 0.4 1.2 8.126 0.1 0.36	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.0800 0.0008 1.1625 0.1833 0.5167 7.3543 0.0250 0.1500	Local Local	By Road By Road	
(S)-methyl 2 10% p 2 2-chlorometh 4 bromo 2 4-(2-4-Difluor 4-chloro phen 5-diflurometho 5Chloro1m 70 % Ad Alpha acei An Cau Cau Cau Cau	2-(2-chlorophenyl)-2-(6,7-di palladium on charcoal - amino pyridine nyl-3,4-dimethoxy pyri hydro 2-furoic acid -2 diphenyl butyro nitrite ro benzoyl oxime)-piprodine nyl 4hydroxy piperidine(CPP) oxy-2-mercapto-1h-benimidaz nethyl1H-imidazole Nitrate 6 sulphuric acid CP cetic acid glacial Acetone 15 Acetonitrile Activated carbon tyl gamma butyrolactone mino amide pure nmonium sulphate ustic potash flakes austic soda flakes Caustic soda lye nustic soda pallets	Solid Solid Solid Solid Solid Solid Solid Solid Liquid Liquid Liquid Liquid Solid Solid Solid Solid Solid Solid Solid Solid	Ware houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseWare houseTank FarmTank FarmTank FarmTank FarmWare houseWare houseMare houseMare house	0.5 0.25 0.01 0.15 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.2 0.5 0.2 0.3 0.4 0.5 0.5 1.5 10 0.1	point of time in MT 0.4 0.25 0.005 0.15 0.5 0.45 0.34 0.16 0.36 0.49 0.14 0.2 0.235 9.98 0.64 0.36 0.48 0.01 1.5 0.4 1.2 8.126 0.1	0.1133 0.0292 0.0007 0.0458 0.4898 0.1292 0.2395 0.0800 0.2129 0.4803 0.0834 0.0167 0.0979 9.2308 0.3333 0.3308 0.3308 0.3308 0.0800 0.0008 1.1625 0.1833 0.5167 7.3543 0.0250	Local Local	By Road By Road	

Abhay Pimparkar (Secretary
SEAC-I)SEAC Meeting No: 153rd A (Day-2) Meeting
Date: July 26, 2018Page 35
of 65Signature: Image: Image 1Dr. Umakant Dangat
(Chairman SEAC-I)

Commercial Nitrogen cylinder	Gas	Shed	0.015	0.012	0.0612	Local	By Road
Decanoic acid (N-capric acid)	Liquid	Tank Farm	0.015	0.18	0.0300	Local	By Road
Denatured absolute alcohol (5% acetone)	Liquid	Tank Farm	10	10	2.5833	Local	By Road
Di-isopropyl amino ethyl chloride HCL	Solid	Ware house	0.15	0.135	0.0336	Local	By Road
Dichloro acetyl chloride	Liquid	Tank Farm	1	1	0.2083	Imported	By Ship
Diethanolamine	Liquid	Tank Farm	0.8	0.63	0.1575	Local	By Road
Diethyl oxalate	Liquid	Tank Farm	2	1.75	0.8542	Local	By Road
Dimethyl formamide	Liquid	Tank Farm	2.09	2.09	1.0392	Local	By Road
Ethyl acetate	Liquid	Tank Farm	5	4.2	3.9725	Local	By Road
Fuming nitric acid	Liquid	Tank Farm	1	0.645	0.2625	Local	By Road
Glycerine	Liquid	Tank Farm	2.5	2.5	1.0000	Local	By Road
Hexane	Liquid	Tank Farm	10	2.4	1.8000	Local	By Road
Hydrobromic acid (aqueous 48%)	Liquid	Tank Farm	5	4.8	2.1250	Local	By Road
Hydrochloric acid	Liquid	Tank Farm	2.5	2.07	4.4883	Local	By Road
Hyflo supercel (Celite)	Solid	Ware house	0.25	0.25	0.0868	Local	By Road
Hypoxanthine	Solid	Ware house	0.5	0.5	0.5000	Imported	By Ship
IS, CIS-Sertraline Mandelate	Solid	Ware house	0.4	0.4	0.1667	Local	By Road
Iso propyl alcohol	Liquid	Tank Farm	5	1.28	0.4000	Local	By Road
Isopropyl alcohol HCl solution (20%)	Liquid	Tank Farm	0.3	0.3	0.8500	Local	By Road
Isopropyl ether	Liquid	Tank Farm	5	3.8	1.6250	Local	By Road
Liquor ammonia	Liquid	Tank Farm	1	0.8	0.9667	Local	By Road
MCA Solution	Liquid	Tank Farm	0.025	0.025	0.0167	Local	By Road
Methanol	Liquid	Tank Farm	22	10.48	14.0993	Local	By Road
Methyl bromide pure	Gas	Shed	0.06	0.06	0.0350	Local	By Road
Methyl ethyl ketone	Liquid	Tank Farm	1.5	1.155	0.4533	Local	By Road
Methylene chloride	Liquid	Tank Farm	20	16.32	12.8025	Local	By Road
Mincare solution	Liquid	Tank Farm	0.02	0.02	0.0050	Local	By Road
Mono methylamine	Liquid	Tank Farm	2	1.87	1.0683	Local	By Road
Nicotinic acid	Solid	Ware house	0.2	0.2	0.0375	Local	By Road
Nitric acid LR grade	Liquid	Tank Farm	0.6	0.6	0.3292	Local	By Road
P-chloro nitro benzene	Solid	Ware house	0.5	0.45	0.1875	Local	By Road
Para anisidine	Solid	Ware house	1	0.725	0.2417	Local	By Road
Para toluene sulphonyl chloride	Solid	Ware house	1.5	1.35	0.3375	Local	By Road
Phenyl acetonitrile (Benzyl Cyanide)	Liquid	Tank Farm	1	0.84	0.1225	Local	By Road
Phosphorous oxychloride	Liquid	Tank Farm	0.2	0.2	0.0875	Local	By Road
Phosphorous pentachloride	Liquid	Tank Farm	3.5	3.36	2.3900	Local	By Road
Pyridine	Liquid	Tank Farm	3.5	3.15	2.0563	Local	By Road
Raney nickel	Solid	Ware House	0.1	0.09	0.0300	Local	By Road
Rec isopropyl ether	Liquid	Tank Farm	5	4.8	5.8242	Local	By Road
Recovered MDC	Liquid	Tank Farm	10	9	4.6619	Local	By Road
Recovered Toluene	Liquid	Tank Farm	10	4.5	2.5348	Local	By Road
Reprocess - 10% palladium on charcoal	Solid	Ware House	0.01	0.008	0.0014	Local	By Road
Sodium bi carbonate	Solid	Ware House	1.5	1.5	0.6667	Local	By Road
Sodium Borohydride	Solid	Ware House	2	2	0.1667	Local	By Road
Sodium Carbonate	Solid	Ware House	1.3	1.3	2.1750	Local	By Road
Sodium chloride	Solid	Ware House	1.1	1.1	0.3292	Local	By Road
Sodium hypochlorite	Liquid	Tank Farm	3	2.4	2.5850	Local	By Road
Sodium meta bi sulphite	Solid	Ware House	0.05	0.05	0.0125	Local	By Road
Sodium Sulphate	Solid	Ware House	1	1	0.6250	Local	By Road
Sodium thiosulphate	Solid	Ware House	0.2	0.2	0.0667	Local	By Road
Sulphuric acid CP	Liquid	Tank Farm	1.5	1.5	0.7458	Local	By Road
Sulphuric acid L.R.	Liquid	Tank Farm	1.7	1.7	1.9875	Local	By Road
Tetra butyl ammonium bromide	Solid	Ware House	0.2	0.2	0.0296	Local	By Road
Thionyl chloride	Liquid	Tank Farm	1.8	1.8	0.4750	Local	By Road
Toluene	Liquid	Tank Farm	22	4.87	6.8415	Local	By Road
10140110	Liquiu	1 (111) 1 (1111		1.07	0.0110	Loour	Dy Houd

 Abhay Pimparkar (Secretary SEAC Meeting No: 153rd A (Day-2) Meeting Date: July 26, 2018
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 Signature: International Search Date: July 26, 2018

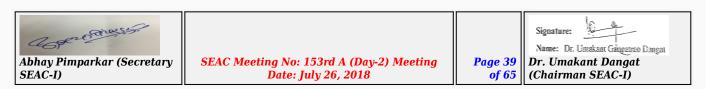
Triethylamine		Liquid	Tank Farm	0.5	0.45	0.1500	Local	By Road
Trimethyl ortho form	nate	Liquid	Tank Farm	0.8	0.8	0.3333	Local	By Road
Ultra High Purity (UHP)Nitro	ogen Cylinder	Gas	Shed	0.005	0.005	0.0021	Local	By Road
Xanthalene-9-carboxylic (xar	nthanoic)acid	Solid	Ware House	0.15	0.15	0.0338	Imported	By Ship
		52. A	ny Other I	nformat	ion			
No Information Availabl	le							
		53.	Traffic Ma	nageme	nt			
	Nos. of the to the mai design of confluence	in road &	NA					
	Number a basement	nd area of	NA				0	
	Number a podia:	nd area of	NA					
	Total Park	ing area:	4325 Sq.m.					
	Area per c	ar:	NA					
	Area per c	ar:	NA					
Parking details:	Number of 2- Wheelers as approved by competent authority:		NA					
	Number of 4- Wheelers as approved by competent authority:		NA					
	Public Tra	nsport:	NA					
	Width of a roads (m):	ll Internal	9 m					
	CRZ/ RRZ obtain, if a		NA					
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries			NA					
Category as per schedule of EIA Notification sheet			5 (f) B					
Court cases pending if any			NA					
	Other Rele Informatio		1) RPGLS shal basis.2) After p will remain san get change fro 70.56 TPA.	proposed cl me, i.e. 5.88	nange in pr 3 TPM, hov	roduct mix t vever the pi	otal product	ion capacity pacity will
	Yes							

Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	Page 37	Signature: Name: Dr. Umakant Gangeareo Dangat Dr. Umakant Dangat
Ability I impurkur (Secretury		· · ·	3
SEAC-I)	Date: July 26, 2018	of 65	(Chairman SEAC-I)
02.10 1)	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	•,••	(0114111141102210 1)

	Date of online submission	07-06-2017						
TOR Suggested Changes								
Consolidated Statement Point Number	Origina	l Remarks	Submitted Changes					
1. Name of Project	manufacturing of A	hange in product mix for Active Pharmaceutical ients (API)	Proposed change in product mix for manufacturing of Active Pharmaceutical Ingredients (API) By RPG Life Sciences Ltd.					
5. Type of project		NA	Industrial Project for manufacturing of Active Pharmaceutical Ingredients (API)					
6. New project/expansion in existing project / modernization /diversification in existing project	Modernization with	change in product mix	Change in product mix					
12.IOD/IOA/Concession /Plan Approval Number	Approved Bui	lt-up Area: 9352	Approved Built-up Area: 12292					
21.Estimated cost of the project (Rupees)	811	000000	833900000					
28.Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	Not a	pplicable	9m					
31.Production Details	TPM (1. Haloperidol- Decanoate- Continue, 4. Risperidone- Co Deleted, 6. Quetiap:	ychotic – Existing 0.35 Continue, 2. Haloperidol 3. Olanzapine – Deleted ntinue, 5. Aripiprazol- ine Hemifumarate etc leted)	Sr.No. 2 - B) Anti-Psychotic – Existing 4.200 TPA, Proposed – (+) 5.1 TPA, Total – 9.3 TPA (1. Haloperidol- Increased, 2. Haloperidol Decanoate- Increased, 3. Olanzapine – Deleted 4. Risperidone- Increased, 5. Aripiprazol- Deleted 6. Quetiapine Hemifumarate etc Deleted)					
31.Production Details	- 0.0125 TPM (Disop)	hythmic class I – Existing yramide Phosphate etc itinue)	Sr.No. 10 - C) Anti Arrhythmic class I – Existing – 0.150 TPA, Proposed – (+)0.15, Total – 0.300 TPA (Disopyramide Phosphate etc Increased)					
31.Production Details		urrheal- Existing - 1 TPM, ICL etc Continue)	Sr.No. 14 - E) Anti-Diarrheal- Existing – 12 TPA, Proposed – (-) 4.8, Total – 7.2 TPA (Diphenoxylate HCL etc. – Decreased)					
31.Production Details	1.667 TPM (1. Aza 2.Fingolimod- Dele Mofetil – Continue, 4	osuppressant – Existing thioprine – Continue, ted, 3. Mycophenolate Mycophenolate Sodium Continue)	Sr.No. 16 - F) Immunosuppressant - Existing - 20 TPA, Proposed - (-) 3.2 TPA, Total - 16.800 TPA (1. Azathioprine - Continue, 2.Fingolimod- Deleted, 3. Mycophenolate Mofetil - Decreased, 4. Mycophenolate Sodium etc Decreased)					
31.Production Details	0.100TPM (Propar	Sr.No. 21 - G) Collinergic Blockers – Existing – 0.100TPM (Propantheline Bromide etc Continue) Sr.No. 21 - G) Collinergic Blocker 1.2 TPA, Proposed – (+) 0.3 TPA TPA (Propantheline Bromide etc						
31.Production Details		nentic - Existing - 0.1667 ide etc Continue)	Sr.No. 23 – Anthelmentic – Existing – 2.0 TPA, Proposed – (+)6.4, Total – 8.4 TPA (Quinfamide etc Increased)					
31.Production Details	Existing - 1.1250 Bisulphate – Continue	rombotic / Anti Platelet – TPM (1. Clopidogrel , 2. Clopidogrel Besylate- ine HCL etc. – Continue)	Sr.No. 25 - I) Anti Thrombotic / Anti Platelet - Existing - 13.500 TPA, Proposed - (-) 11.7 TPA, Total - 1.8 TPA (1. Clopidogrel Bisulphate - Deleted, 2. Clopidogrel Besylate- Deleted, 3. Ticlopidine HCL etc Decreased)					



31.Production Details	Sr.No. 29 - J) Anti Convusant - Existing - 0.1250 TPM (Lamotrigine etc Continue)	Sr.No. 29 – J) Anti Convusant – Existing – 1.5 TPA, Proposed – (+) 5.7, Total – 7.2 TPA (Lamotrigine etc. – Increased)
31.Production Details	Sr.No. 31 - K) Anti-Depressant - Existing - 0.0525 TPM (1. Sertraline HCL - Continue, 2. Escitalopram oxalate etc Deleted)	Sr.No. 31 – K) Anti-Depressant – Existing – 0.630 TPA, Proposed – (+) 5.37 TPA, Total – 6 TPA (1. Sertraline HCL – Increased, 2. Escitalopram oxalate etc Deleted)
31.Production Details	Sr.No. 34 - L) Anti Anginal - Existing - 0.500 TPM (1. Nicorandil - Continue, 2. Ivabradin HCl etc Deleted)	Sr.No. 34 – L) Anti Anginal – Existing - 6 TPA, Proposed – (-) 4.2 TPA, Total – 1.8 TPA (1. Nicorandil – Decreased, 2. Ivabradin HCl etc Deleted)
31.Production Details	Sr.No. 39 - N) Anti-Hypertensive - Existing - 0.1250 TPM (1. Irbesartan- Deleted 2. Lercanadipine HCL- Deleted 3. Eplirenone- Deleted, 4.Candisartan celextil - Deleted, 5. Tolvaptan - Continue, 6. Benidipine.HCl - Continue, 7. Solifenacin - Continue, 8. Conivaptan - Deleted)	 Sr.No. 39 - N) Anti-Hypertensive - Existing - 1.5 TPA, Proposed - (-) 1.14 TPA, Total - 0.360 TPA (1. Irbesartan- Deleted, 2. Lercanadipine HCL- Deleted, 3. Eplirenone- Deleted, 4.Candisartan celextil - Deleted, 5. Tolvaptan - Decreased, 6. Benidipine.HCl - Decreased, 7. Solifenacin - Decreased, 8. Conivaptan - Deleted)
31.Production Details	Sr.No. 56 - S) Anti Ulcerant - Existing - 0.2 TPM (1. Pantaprazole Sodium - Continue, 2.Pantaprazole Sequehydrate - Continue, 3. Lafutidine etc Deleted)	 Sr.No. 56 - S) Anti Ulcerant - Existing - 2.4 TPA, Proposed - (+) 7.2 TPA, Total - 9.6 TPA (1. Pantaprazole Sodium - Added, 2.Pantaprazole Sequehydrate - Increased, 3. Lafutidine etc Deleted)
31. Production Details	Sr.No. 60 – T) Antihyperparathyroid – Existing – 0.0	Sr.No. 60 - T) Antihyperparathyroid - Existing - 0, Proposed - (+) 0.30 TPA, Total - 0.30 TPA (Cinacalcet.HCl - Added)
31. Production Details	By-Product Details – Nil	By- Product Details – Mix Solvent – Existing 0, Proposed – 671 TPA, Total – 671 TPA
33. Details of Total water consumed	Industrial Process – Consumption – 160 CMD, Loss – 52 CMD, Total 108 CMD	Industrial Process – Consumption – 144 CMD, Loss – 48.5 CMD, Total 95.5 CMD
33. Details of Total water consumed	Cooling tower & Boiler - Consumption - 60 CMD, Loss - 48 CMD, Total - 12 CMD	Cooling tower & Boiler – Consumption – 76 CMD, Loss – 51.5 CMD, Total – 24.5 CMD
34.Rain Water Harvesting (RWH)	NA	Level of the Ground water table: 5 – 12 m
34.Rain Water Harvesting (RWH)	NA	Size and no of RWH tank(s) and Quantity: 125 m3 & 105 m3/d
34.Rain Water Harvesting (RWH)	NA	Budgetary allocation (Capital cost) : 6,30,000/-
34.Rain Water Harvesting (RWH)	NA	Budgetary allocation (O & M cost) : 12,600/A
35.Storm water drainage	NA	Quantity of storm water: 0.245 m3/s
35.Storm water drainage	NA	Size of SWD: 305 Lit/Sec
37.Solid waste Management	Waste generation in the operation Phase: Hazardous waste: 644.960 MTA	Waste generation in the operation Phase: Hazardous waste: 608.86 MTA
39.Hazardous Waste Details	Sr. No. 1: Sludge & Filters contaminated with oil – Existing – 5.4 MT/A , Proposed - 0, Total - 5.4 MT/A, Method Of Disposal – CHWTSDF, Taloja	Sr. No. 1 Sludge & Filters contaminated with oil – Existing – 5.4 MT/A , Proposed - (-) 2.4 MT/A, Total – 3 MT/A, Method Of Disposal – CHWTSDF
39.Hazardous Waste Details	Sr.No. 3: Distillation Residue - Existing - 5.4 MT/A, Proposed - 0 , Total - 5.4 MT/A, Method Of Disposal - CHWTSDF, Taloja	Sr.No. 3: Distillation Residue - Existing – 7 MT/A, Proposed – (-) 1.6 MT/A , Total – 5.4 MT/A, Method Of Disposal – CHWTSDF
39.Hazardous Waste Details	Sr. No. 4: Residue & Wastes - Existing - 134.4 MT/A, Proposed - 0 , Total - 134.4 MT/A,	Sr. No. 4: Residue & Wastes - Existing - 328 MT/A, Proposed - (-) 5 MT/A , Total - 323 MT/A,



39.Hazardous Waste Details	Sr.No 5: Spent Catalyst - Existing - 8 MT/A, Proposed - 0 , Total - 8 MT/A and Method Of Disposal - CHWTSDF, Taloja	Sr.No 5: Spent Catalyst - Existing - 1.5 MT/A, Proposed – 0 , Total - 1.5 MT/A, Method Of Disposal – Regenerated by authorized party
39.Hazardous Waste Details	Sr.No 6: Spent Carbon - Existing – 22 MT/A , Proposed – 0 , Total – 22 MT/A. Method Of Disposal – CHWTSDF, Taloja	Sr.No 6: Spent Carbon - Existing – 38 MT/A , Proposed – (-) 8 , Total – 30 MT/A, Method Of Disposal - CHWTSDF
39.Hazardous Waste Details	Sr.No 7: Off Specification Products - Existing - 2.88 MT/A , Proposed - 0 , Total - 2.88 MT/A, Method Of Disposal – CHWTSDF, Taloja	Sr.No 7: Off Specification Products - Existing - 2.88 MT/A , Proposed - (-) 2.16 MT/A , Total - 0.72 MT/A, Method Of Disposal - CHWTSDF
39.Hazardous Waste Details	Sr.No 8: Date expired products - Existing - 0.72 MT/A, Proposed - 0 , Total - 0.72 MT/A, Method Of Disposal - CHWTSDF, Taloja	Sr.No 8: Date expired products - Existing - 0.72 MT/A, Proposed - (+) 2.16 MT/A , Total - 2.88 MT/A, Method Of Disposal - CHWTSDF
39.Hazardous Waste Details	Sr.No 9: Spent Solvent - Existing – 384 MT/A, Proposed - 0 , Total - 384 MT/A, Method Of Disposal – Reused/ Sale to MPCB authorized party/ CHWTSDF, Taloja	Sr.No 9: Spent Solvent - Existing - 315 MT/A, Proposed - (-) 128.44 MT/A, Total - 186.56 MT/A, Method Of Disposal - Sale to authorized party.
39.Hazardous Waste Details	Sr.No 10: Empty Barrels / Containers / Liners contaminated with Hazardous Chemicals / Wastes - Existing - 24 MT/A , Proposed - 0 , Total - 24 MT/A, Method Of Disposal - Reused/ Sale to MPCB authorized party/ CHWTSDF, Taloja	Sr.No 10: Empty Barrels / Containers / Liners contaminated with Hazardous Chemicals / Wastes - Existing - 24 MT/A , Proposed - (-) 12, Total - 12 MT/A, Method Of Disposal - Reused/ Sale to MPCB authorized party/ CHWTSDF.
39.Hazardous Waste Details	Sr.No 12 : Chemical sludge from waste water treatment - Existing – 50 MT/A , Proposed - 0 , Total - 50 MT/A, Method Of Disposal – CHWTSDF, Taloja	Sr.No 12 : Chemical sludge from waste water treatment - Existing – 50 MT/A , Proposed – (-) 10MT/A , Total - 40 MT/A, Method Of Disposal – CHWTSDF
39.Hazardous Waste Details	Sr.No 13 : Oil & Grease skimming residues - Existing – 4.8 MT/A , Proposed - 0 , Total – 4.8 MT/A, Method Of Disposal – CHWTSDF, Taloja	Sr.No 13 : Oil & Grease skimming residues - Existing - 4.8 MT/A , Proposed - (-) 2.8 MT/A , Total - 2 MT/A, Method Of Disposal - CHWTSDF
39.Hazardous Waste Details	Sr.No 14 : E-Wastes - Existing - 1.2 MT/A, Proposed - 0, Total- 1.2 MT/A,	Sr.No 14 : E-Wastes – Existing – 0, Proposed – 2.5 MT/A, Total- 2.5 MT/A,
40.Stacks emission Details	Sr.No. 2: Section & units - As Optional Fuel for Existing Boiler - FO - 41.6 Kg/hr.	Sr.No. 2: Section & units - As Optional Fuel for Existing Boiler - FO - 105 Kg/hr.
41.Details of Fuel to be used	Sr.No. 2: Type of Fuel - FO (As Optional Fuel) - 41.6 Kg/hr.	Sr.No. 2: Type of Fuel - FO (As Optional Fuel) - 105 Kg/hr.
52.Environmental Management plan Budgetary Allocation- b) Operation Phase (with Break-up):	1. AIR POLLUTION CONTROL- Description – Scrubber, Capital cost Rs. In Lacs – 1, Operational and Maintenance cost (Rs. in Lacs/yr) –0.1,	1. AIR POLLUTION CONTROL- Description – Scrubber & Boiler, Existing Capital cost Rs. In Lacs – 100, Proposed Capital Cost Rs. In Lacs – 1, Operational and Maintenance cost (Rs. in Lacs/yr) –15
52.Environmental Management plan Budgetary Allocation- b) Operation Phase (with Break-up):	2.WATER POLLUTION CONTROL - Capital cost Rs. In Lacs – 3, Operational and Maintenance cost (Rs. in Lacs/yr) – 0.5	2.WATER POLLUTION CONTROL – Existing Capital cost Rs. In Lacs – 600, Proposed Capital Cost Rs. In Lacs - 4, Operational and Maintenance cost (Rs. in Lacs/yr) – 100
52.Environmental Management plan Budgetary Allocation- b) Operation Phase (with Break-up):	3.NOISE POLLUTION CONTROL - Capital cost Rs. In Lacs – 0.25, Operational and Maintenance cost (Rs. in Lacs/yr) – 0	3.NOISE POLLUTION CONTROL - Existing Capital cost Rs. In Lacs - 25, Proposed Capital Cost Rs. In Lacs - 0, Operational and Maintenance cost (Rs. in Lacs/yr) - 10
52.Environmental Management plan Budgetary Allocation- b) Operation Phase (with Break-up):	4.OCCUPATIONAL HEALTH - Capital cost Rs. In Lacs – 2, Operational and Maintenance cost (Rs. in Lacs/yr) – 1.5	4.OCCUPATIONAL HEALTH - Capital cost Rs. In Lacs - 100, Proposed Capital Cost Rs. In Lacs - 0, Operational and Maintenance cost (Rs. in Lacs/yr) - 10





52.Environmental Management plan Budgetary Allocation- b) Operation Phase (with Break-up):	5. GREEN BELT - Capital cost Rs. In Lacs - 1, Operational and Maintenance cost (Rs. in Lacs/yr) - 0.55. GREEN BELT - Existing Capital cost Rs. In Lacs - 10, Proposed Capital Cost Rs. In Lacs - 1, Operational and Maintenance cost (Rs. in Lacs/yr) - 0.5							
52.Environmental Management plan Budgetary Allocation- b) Operation Phase (with Break-up):	6. HAZARDOUS WASTE STORAGE & DISPOSAL - Capital cost Rs. In Lacs - 1.75 , Operational and Maintenance cost (Rs. in Lacs/yr) - 06. HAZARDOUS WASTE STORAGE & DISPOSAL - Existing Capital cost Rs. In Lacs -65, Proposed Capital Cost Rs. In Lacs - 3, Operational and Maintenance cost (Rs. in Lacs/yr) - 8							
52.Environmental Management plan Budgetary Allocation- b) Operation Phase (with Break-up):	Nil	Environmental Monitoring – Existing Capital						
52.Environmental Management plan Budgetary Allocation- b) Operation Phase (with Break-up):	Total: Capital cost Rs. In Lacs - 9 , Operational and Maintenance cost (Rs. in Lacs/yr) - 2.6Total: Capital cost Rs. In Lacs - 909 , Operational and Maintenance cost (Rs. in Lacs/yr) - 146.25							
SEAC	DISCUSSION ON ENVIRON	IMENTAL ASPECTS						
Environmental Impacts of the project	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site.							
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.							
Waste Water Treatment	PP proposes to have primary, secondary and tertiary effluent treatment plant. The treated effleunt will be discharged to CETP.							
Drainage pattern of the project	Not Applicable							
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site. PP to obtain permission from CGWA of they uses ground water as per Public Notice issued by Ministry of Water Resources on 29.06.2018.							
Solid Waste Management	PP proposes to sale waste to authorised vendors	and disposal at CHWTSDF.						
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noi at project site.	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.						
Energy Management	The electrical connected load for proposed proje MSEDCL. PP also proposes to have 625 KVA DG							
Traffic circulation system and risk assessment	PP proposes to provide 4325 Sq.m. parking area along with 9 meter wide internal roads.							
Landscape Plan	PP proposes 33% green belt.							
Disaster management system and risk assessment	PP carried out HAZOP and prepared disaster management plan to handle an emergency.							
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.							
Environmental Management Plan	PP proposes EMP cost of Rs. 9.0 Lakhs as capital environmental parameters.	l and Rs. 2.6 lakhs as O & M costs for						
Any other issues related to environmental sustainability	Not Applicable							

age or or and the		Signature: Name: Dr. Umakant Gangetreo Dangat
Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 153rd A (Day-2) Meeting Date: July 26, 2018	 Dr. Umakant Dangat (Chairman SEAC-I)
/		

Brief information of the project by SEAC

PP submitted their application for the grant of TOR under category 5(f)B1 as per EIA Notification, 2006 for expansion of existing unit. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015.

As the industry is located in the notified industrial area/estate (MIDC), Public Hearing is exempted under the provisions as per para 7 III Stage (3) (b) of the EIA Notification, 2006.

PP informed that the proposal in only for modernization by additing two products and there will be no expansion.

PP obtained ToR in the 139th meetin gof SEAC-1 held on 30.06.2017 along with following additional points.

1. PP to submit copies of all the consent obtained from the existence of the unit. PP to submit self certificate for not changing any product mix, quantity, pollution load from the existence of the unit and not violated any requirement of EIA Notification, 2006 and amendments thereof.

2. PP to submit detailed material balance along with quantities of raw materials, waste generation etc.

3. PP to submit list of spent catalyst to be generated on site, its quantity per batch , per year, and its treatment and disposal plan.

4. PP to include toxic and hazardous chemical handling protocol in the EIA report.

5. PP to include product wise, stage wise waste generation along with its name and quantity in the EIA report; PP also to add note on the methodology ado[ted to reduce the generation of hazardous waste and submit a report along with EIA report.

6. PP to provide 33% green belt as per National Forest Policy.

7. PP to submit copies of HAZOP study, QRA and On Site/Off Site Emergency Plan.

Now PP submitted EIA/EMP report.

DECISION OF SEAC

After detailed eliberations with the PP and their accredited consultant, SEAC decided to recommend the proposal to SEIAA for prior Environment Clearance subject to the following conditions..

Specific Conditions by SEAC:

1) PP to submit plan to rationalize the inventory of Sodium Borohydrate.

FINAL RECOMMENDATION

SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions



153rd (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd A (Day-2) Meeting Date July 26, 2018

Subject: Environment Clearance for Proposed Clinker Grinding Unit of 5.5 Million TPA Cement Production Capacity (Phase - I: 3.0 Million TPA & Phase - II: 2.5 Million TPA) and D.G. Sets of 1250 KVA (1000 KVA / 2 x 500 KVA & 250 KVA) near Villages: Patas & Kangaon, Taluka: Daund, District: Pune (Maharashtra) by M/s. Maharashtra Cement Plant (A unit of Shree Cement Ltd.)

of Shiee Cement Ltd.)					
Is a Violation Case: No					
1.Name of Project	Proposed Clinker Grinding Unit of 5.5 Million TPA Cement Production Capacity (Phase - I: 3.0 Million TPA & Phase - II: 2.5 Million TPA) and D.G. Sets of 1250 KVA (1000 KVA / 2 x 500 KVA & 250 KVA) near Villages: Patas & Kangaon, Taluka: Daund, District: Pune (Maharashtra)				
2.Type of institution	TOR				
3.Name of Project Proponent	M/s. Maharashtra Cement Plant (A unit of Shree Cement Ltd.)				
4.Name of Consultant	JM EnviroNet Pvt. Ltd.				
5.Type of project	Other				
6.New project/expansion in existing project/modernization/diversification in existing project	New Project				
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	NA				
8.Location of the project	Khasra No 676, 681, 679, 680, 683, 675/1, 675/2, 682, 677, 678, 733/B/1, 733/B/2, 733/B/3, 733/B/4, 733/B/5, 733/B/6, 733/B/7, 733/B/8, 733/B/9, 733/A, 733/B/10/A, 733/B/10/B, 741, 731/5				
9.Taluka	Daund				
10.Village	Patas & Kangaon				
Correspondence Name:	Mr. Rakesh Bhargava, Vice President (Environment)				
Room Number:	NA				
Floor:	NA				
Building Name:	NA				
Road/Street Name:	Post Box No. 33, Bangur Nagar, Andheri Deori				
Locality:	Beawar				
City:	Beawar, District Ajmer (Rajasthan)				
11.Area of the project	Daund Municipal Corporation - Near Dr. Ambedkar Chowk, Daund - 413801, District- Pune, Phone No. +(91)-2117-262444, 262324.				
	No				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: NA				
	Approved Built-up Area:				
13.Note on the initiated work (If applicable)	NA				
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA				
15.Total Plot Area (sq. m.)	65.69 Acres (26.58 ha)				
16.Deductions	Nil				
17.Net Plot area	65.69 Acres (26.58 ha)				
10 (c) Proposed Built an Arres (FOLC	a) FSI area (sq. m.): NA				
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): NA				
	c) Total BUA area (sq. m.):				
19 (b) Approved Duilt up area as a sec	Approved FSI area (sq. m.):				
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):				
	Date of Approval:				
19.Total ground coverage (m2)	NA				
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	NA				

approximates			Signature:
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21.Estimated cost of the project 623700000								
22.Number of buildings & its configuration								
Serial number Building Name & number				Number of floors Height of the buildi			f the building (Mtrs)	
1		NA			NA		NA	
23.Number tenants an		NA						
24.Number expected r users		NA						
25.Tenant per hectar		NA						
26.Height building(s)							~	
27.Right o (Width of t from the n station to t proposed h	the road earest fire the	NA				00		
for easy ac fire tender movement around the	wement from all NA bund the building cluding the width							
29.Existing structure (NA						
30.Details demolition disposal (I applicable)	with f	NA						
31.Production Details								
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/M) T	otal (MT/M)	
1	Cen	nent	N	il	458333.3		458333.3	
	32.Total Water Requirement							



		Source of wa	ter	Ground Wat	er						
		Fresh water	(CMD):	350							
		Recycled wat Flushing (CM		20							
		Recycled wat Gardening (C		20							
		Swimming po make up (Cu		0							
Dry seasor	1:	Total Water Requirement :	(CMD)	350							
	Fire fighting - Underground water tank(CMD):										
		Fire fighting Overhead wa tank(CMD):		0							
Excess treated water 0											
Source of water Ground Water											
		350									
Recycled water - Flushing (CMD):				20							
Recycled water - Gardening (CMD): 20											
		Swimming po make up (Cu		0							
Wet seaso	n:	Total Water Requirement :	(CMD)	350							
		Fire fighting Underground tank(CMD):		0							
		Fire fighting Overhead wa tank(CMD):		0							
		Excess treate	d water	0							
Details of pool (If an	Swimming y)	NA									
		33.	.Detail	s of Tota	water co	nsume	d				
Particula rs	Cons	umption (CM	D)	Loss (CMD)			Eff	fluent (CMD)			
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total		
Cooling tower & thermopa ck	0	310	310	0	0	0	0	0	0		
Domestic	0	40	40	0	0	0	0	0	0		

age others			Signature:
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SLAC-I)	Dute. July 20, 2010	0, 03	(Chull mull SEAC-1)

	Level of the Ground	2 - 5 m				
	water table: Size and no of RWH					
	tank(s) and Quantity:	Not applicable as it's a water logged area hence recharge structures will be not feasible				
	Location of the RWH tank(s):	Within Plant area				
34.Rain Water Harvesting	Quantity of recharge pits:	NA				
(RWH)	Size of recharge pits :	NA				
	Budgetary allocation (Capital cost) :	NA				
	Budgetary allocation (O & M cost) :	NA				
	Details of UGT tanks if any :	10000 KL pond				
35.Storm water	Natural water drainage pattern:	Rain water will be channelized through the proposed drainage inside the plant to the proposed pond. There is no Nallah passing through the land.				
drainage	Quantity of storm water:	55861.5 Cum				
	Size of SWD:	10000 KL pond				
	Sewage generation in KLD:	25				
	STP technology:	FAB Technology				
Sewage and	Capacity of STP (CMD):	1 STP, Capacity - 25 KLD				
Waste water	Location & area of the STP:	Within the Plant area, Area - 10 m2				
	Budgetary allocation (Capital cost):	Rs. 30 lacs				
	Budgetary allocation (O & M cost):	Rs. 5 lacs				
	36.Soli	d waste Management				
Waste generation in	Waste generation:	Spoil generated during construction.				
the Pre Construction and Construction phase:	Disposal of the construction waste debris:	Construction waste like soil, brick bits, etc. will be utilized in leveling of land and road making.				
	Dry waste:	Municipal solid waste will be generated from plant canteen and guest house.				
	Wet waste:	No wet waste will be generated.				
Waste generation in the operation	Hazardous waste:	A small quantity (20 KL/Annum) of Used oil and grease will be generated from plant machinery / gear box and D.G set as hazardous waste.				
Phase:	Biomedical waste (If applicable):	500 gm per day biomedical waste will be generated.				
	STP Sludge (Dry sludge):	Sludge will be generated from STP.				
	Others if any:	No				
Abhay Pimparkar (Secre SEAC-I)	etary SEAC Meeting 1	No: 153rd A (Day-2) Meeting te: July 26, 2018 Page 46 of 65 Signature: Name: Dr. Umakant Gangareo Dangat (Chairman SEAC-I)				

					1. 1		1	1
		Dry waste:	:	Municipal solid waste generated from plant canteen and guest house will be collected, segregated and disposed off scientifically.				
		Wet waste	:	No wet was	ste will be ge	enerated.		
Mode of	Disposal	Hazardous	s waste:	Used oil an	d grease wil	l be sold out	to the CPCB	authorized recycler.
of waste:	Disposai	Biomedica applicable	al waste (If e):	Sold to autl	norized Biom	nedical waste	facilitator.	
	STP Sludge (Dry sludge):				erated from nt / plantatio		used as man	ure in greenbelt
		Others if a	nny:	No				
		Location(s	s):	NA				
Area for the storage of waste & other material:			NA					
		Area for m	nachinery:	NA				~~
	allocation	Capital co	st:	NA				
(Capital co O&M cost)		O & M cos	:	NA				Y
,	-		37 Ff	fluent C	haractar	ostics		
Serial			J/.LI	I	ffluent		Effluent	Effluent discharge
Number		neters	Unit	Charect	erestics	Charect	erestics	standards (MPCB)
1		IA	NA	N	IA	N	A	NA
Amount of effluent generation NA								
Capacity of the ETP: NA								
Amount of t recycled :	reated efflue	ent	NA					
Amount of v	vater send t	o the CETP:	NA					
Membershi	p of CETP (ii	f require):	NA	$\langle \mathbf{V}$				
Note on ET	P technology	v to be used	NA					
Disposal of	the ETP sluc	lge	NA	> ^{>}				
			38.H a	zardous	Waste D	Details		
Serial Number	Descr	iption	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Used Oil	& Grease	5.1	KL/Annum	0	20	20	Sold to the CPCB authorized recycler
			39.S t	tacks em	ission D	etails		
Serial Number	Section	& units		sed with ntity Stack No.		Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Cemen	t Mill-1	Ν	Jil	1	50	4	120 deg C
2	Cemen	t Mill-2	N	Jil	1	39	1.6	100 deg C
			40.De	tails of F	uel to b	e used		
Serial Number	Тур	e of Fuel		Existing		Proposed		Total
1		Coal		Nil		0.027 MTPA		0.027 MTPA
2	I	Petcoke		Nil		0.02 MTPA		0.02 MTPA
41.Source of	f Fuel		Loca	Market/ Ind	lian and imp	orted & othe	r sources	
			•			1		
	~							0 0

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43.Green Belt Total RG area : 21.7 Acres No of trees to be cut : Nil Ist of proposed native trees : 1200 trees per ha List of proposed native trees : Local native species Timeline for completion of plantation : In first five years after completion of commissioning weat	vork				
43.Green Belt : Number of trees to be planted : 1200 trees per ha List of proposed native trees : Local native species Timeline for completion of In first five years after completion of commissioning w	vork				
43.Green Belt be planted : 1200 trees per ha Development List of proposed native trees : Local native species Timeline for completion of In first five years after completion of commissioning w	vork				
Image: Completion of completion of commissioning w	vork				
completion of In first five years after completion of commissioning w	vork				
plantation.	VULK.				
44.Number and list of trees species to be planted in the grou	ınd				
	cs & ecological rtance				
	NA				
45.Total quantity of plants on ground	11				
46.Number and list of shrubs and bushes species to be planted in the	podium RG:				
Serial NumberNameC/C DistanceArea m2					
1 NA NA NA					
47.Energy					
Source of power supply : Maharashtra State Electricity Distribution Co. Ltd. (G (for back-up).	Maharashtra State Electricity Distribution Co. Ltd. (Grid) and D.G. Sets (for back-up).				
During Construction Phase: (Demand Load) 1000 kw	1000 kw				
DG set as Power back-up during construction phase	500 KVA				
During Operation phase (Connected load):	20 MW				
Power requirement: During Operation phase (Demand load); 20 MW					
Transformer: No					
DG set as Power back-up during operation phase: 1250 KVA (1000 KVA / 2 x 500 KVA & 250 KVA)	1250 KVA (1000 KVA / 2 x 500 KVA & 250 KVA)				
Fuel used: HSD- 40 KL	HSD- 40 KL				
Details of high tension line passing through the plot if any: No					
48.Energy saving by non-conventional method:					
Solar Energy					
49.Detail calculations & % of saving:					

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Serial Number	Energy Conservation Measures					Saving %									
1	Solar Lights					50									
		5	D.Details	of pol	luti	ion c	ontrol S	yste	ms						
Source	Ex	isting poll	ution contro	ol syster	n			Pro	posed to	be install	ed				
Process			Nil				All major stacks (Cement Mill, Coal / Petcoke Mill) will be provided with bag house and Bag filters will be provided at all material transfer points to maintain the emission level within limits.				Bag filters will ints to maintain				
Domestic Waste water			Nil				Domestic waste water generated from the office toilets will be initially disposed off in soak pit and septic tanks until the competition of the project work; thereafter, STP will be installed and treated water will be used for greenbelt development / plantation.								
	allocation	Capital c	ost:	50		I									
(Capital O&M		0 & M co	st:	5											
51	.Envir	onmen	tal Mai	nage	me	nt p	olan Bu	udg	etary	Alloca	ation				
a) Construction phase (with Break-up):															
Serial Number	Attri	butes	Para	meter			Total	Cost p	er annu	m (Rs. In I	.acs)				
1	А	ir	Fugitive emissions 100												
b) Operation Phase (with Break-up):															
Serial Number	Comp	onent	Desci	ription		Сар	ital cost Rs. In Lacs Operational and Mainte cost (Rs. in Lacs/yr								
1	А	Air		Bag House, Bag Filters, Water Sprinklers & Cemented Roads etc.		Filters, Water Sprinklers &		Filters, Water Sprinklers &			2000			40	
2	Wa	Water		Sewage Treatment Plant and Rain Water Harvesting System		Plant and Rain Wa			100			10			
3	Manag	nmental gement rtment	Day-to-o	lay work	ork 100		100 25								
4		nal Health Jement	Wellness of	f employ	vees		200		10						
5	Developme	enery ent & Solar iting		Plantation and non- conventional energy		200		200 10							
6		and Risk Measures	Safety o	Safety of workers 300					20						
51.S	51.Storage of chemicals (inflamable/explosive/hazardous/toxic substances)														
Descrij	ption	Status	Locatio	n	Cap	orage bacity MT	Maximum Quantity of Storage at any point of time in MT	/ M	umption onth in MT	Source of Supply	Means of transportation				

approtoness?			Signature:
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HSD	NA	HSD Tan	k	40 KL & 20 KL	40 KL & 20 KL	NA	Near-by area	Road
		52.A	ny Ot	her Info	rmation			
No Information Available								
53.Traffic Management								
			NA					
	Number basemer	and area of nt:	NA					
	Number podia:	and area of	NA				Q	
	Total Pa	rking area:	NA					7
	Area per		NA					
	Area per		NA				Y	
Parking details:	Parking details: Number of 2- Wheelers as approved by competent authority:					00		
	Number Wheeler approve compete authorit	rs as d by ent	NA	S	100			
	Public T	ransport:	NA					
	Width of roads (n	f all Internal n):	NA					
	CRZ/ RR obtain, i	Z clearance f any:	NA					
	Criticall areas / E	ed Areas / y Polluted Eco-sensitive iter-State	NA					
	Category as per schedule of EIA Notification sheet							
	Court ca if any	ises pending	NA					
9		Other Relevant Informations						
	submitte Applicat	u previously ed ion online F Website.	Yes					
	Date of submiss		13-09-2	2017				
		TOR S	Sugg	jested	Chang	es		

ager of the est			Signature: Name: Dr. Umakant Gaugetreo Dangat
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Consolidated Statement Point Number	Original Remarks	Submitted Changes		
2. Type of institution	ToR	Private		
34. Rain Water Harvesting (RWH)	Level of the Ground water table: 2 - 5 m	The regional water level ranges between 3m to 10m below ground level during the post monsoon period. Pre- monsoon water levels are 5m to 15m below ground level		
34. Rain Water Harvesting (RWH)	Size and no of RWH tank(s) and Quantity: Not applicable as it's a water-logged area hence recharge structures will be not feasible	The rainwater of roof top and surface runoff shall be used for artificial recharge through four recharge wells of 20m depth through silting pit $(2 \times 3 \times 2.3m)$ & filter pit $(2 \times 2 \times 2.8m)$		
34. Rain Water Harvesting (RWH)	Location of the RWH tank(s): Within Plant area	Within the plant site		
34. Rain Water Harvesting (RWH)	Quantity of recharge pits: NA	45473 Cum		
34. Rain Water Harvesting (RWH)	Size of recharge pits: NA	Area= 30 m2, Width = 2 m, Length = 3m		
34. Rain Water Harvesting (RWH)	Budgetary allocation (Capital cost): NA	30 Lacs		
34. Rain Water Harvesting (RWH)	Budgetary allocation (O & M cost): NA	1.5 Lacs		
34. Rain Water Harvesting (RWH)	Details of UGT tanks if any: 10000 KL pond	NA		
35. Storm water drainage	Natural water drainage pattern: Rain water will be channelized through the proposed drainage inside the plant to the proposed pond. There is no Nallah passing through the land.	Rain water will be channelized through the proposed drainage inside the plant to the proposed pond.		
35. Storm water drainage	Quantity of storm water: 55861.5 Cum	55861.5 Cum		
35. Storm water drainage	Size of SWD: 10000 KL pond	The rainwater of roof top and surface runoff shall be used for artificial recharge through four recharge wells of 20m depth through silting pit $(2 \times 3 \times 2.3m)$ & filter pit $(2 \times 2 \times 2.8m)$		
37. Solid waste Management	Location(s): NA	At earmarked Site within the plant area.		
40. Stacks emission Details	 Serial Number - 1, Section & units - Cement Mill - 1, Fuel Used with Quantity - Nil, Stack no. 1, Height from ground level (m) - 50, Internal diameter (m) - 4.0, Temp. of Exhaust Gases - 120 DegC AND Serial Number - 2, Section & units - Cement Mill - 2, Fuel Used with Quantity - Nil, Stack no. 1, Height from ground level (m) - 39, Internal diameter (m) - 1.6, Temp. of Exhaust Gases - 100 DegC 	 Serial Number - 1, Section & units - Cement Mill - 1, Fuel Used with Quantity - Nil, Stack no. 1, Height from ground level (m) - 42, Internal diameter (m) - 2.8, Temp. of Exhaust Gases - 93 DegC AND Serial Number - 2., Section & units - Cement Mill - 2, Fuel Used with Quantity - Nil, Stack no. 1, Height from ground level (m) - 39, Internal diameter (m) - 1.6, Temp. of Exhaust Gases - 90 DegC 		
41. Details of Fuel to be used	Serial Number -1, Type of Fuel - Coal, Existing - Nil, Proposed - 0.027 MTPA, Total - 0.027 MTPA and Serial Number - 2, Type of Fuel - Petcoke, Existing - Nil, Proposed - 0.02 MTPA, Total - 0.02 MTPA	Serial Number -1, Type of Fuel - Coal / Petcoke, Existing - Nil, Proposed - 0.027 / 0.02 MTPA, Total - 0.027 / 0.02 MTPA and Serial Number - 2, Type of Fuel - HSD (Used only in emergency), Existing - Nil, Proposed - 5 KLD, Total - 5 KLD		
44. Green Belt Development	Number of trees to be planted: 1200 trees per ha	17344		
44. Green Belt Development	List of proposed native trees: Local native species	Aldu, Ashok, Arjun, Bhaken, Shisham, Gulmohar, Neem, Pipal, Popular and Sares		
actor others		Signature:		

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 45. Number and list of trees species to be plant the ground 45. Number and list of trees species to be planted in the ground NA 45. Number and list of trees species to be planted in the ground As per availability and survival rate, Characteristics & cological importance - Dust Collector/ Tolerant to gaseous emission. Serial Number - 3, Name of the plant - Melant - Folerant to SQ gases. Olerant to dust particles. Serial no. 9, Name of the plant - Melant - Populas Ala, Common name - Popular, Quantity - Survival rate, Characteristics & ecological importance - Dust Collector/ Tolerant to dust particles. Serial no. 10, Name of the plant - Abizia lebbeck, Common name - Meland - Melant - Mela
48. EnergyPower requirement:(Fuel used) - HSD- 40 KLHSD- 5 KL



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49. Energy saving by non-conventional method	Solar Energy	 (1). Internal and external training and awareness programs on energy conservation. (2). Company has well defined energy policy (3). Energy Audits are conducted at regular intervals (4). Power saving by optimizing the Start/Stop Timings and interlocking of Equipments (5). Prevention of leakages of compressed air (6). Energy Saving by removing damper from Process fan and optimized operation with Medium Voltage Drive (MVD) (7). Optimization of Overall Plant Voltage Level at 415 by adjusting the Transformer Taps (8). Power Saver Beblac P-20 lighting panel (Installation of Energy Saver (Power Boss) Panel in Lighting System) (9). APFC (Automatic Power Factor Control) panel for HT and LT line to improve power factor (Unity) of the system (10). Energy efficient lights i.e. LED instead of conventional lighting. (11). Energy saving by using day light by installing light pipe and Using transparent sheet [day light] in Workshop, Store and Gypsum yard. (12). Optimum pulley diameter of the identified D/C fans (13). Switching off unnecessary lights by micro based timer (14). Welding set energy saver o Use of Optimum size and energy efficient Motors. (15). Energy conservation by stopping idle running hrs of equipment. (16). Automatic Star Delta starter for load varying application like conveyer belts etc. (17). Installation of Variable Frequency Drive for all the auxiliary bag filter fans for energy saving. (18). Installation of power less bag diverters for packing plant instead of conventional motorized bag diverters.
54. Traffic Management	Nos. of the junction to the main road & design of confluence: NA	Transportation of goods will be done via existing road network. The project site is well connected with with NH-9 (Now, NH - 65; ~4.5 Km in South Direction) and SH - 118 (~8.0 km in West direction)
54. Traffic Management	Total Parking area: NA	Parking Area within the plant site - 2.25 Acres
54. Traffic Management	Public Transport: NA	The proposed site is situated near Villages: Patas and Kangaon, Taluka: Daund, District: Pune (Maharashtra) and well connected with NH-9 (Now, NH - 65; ~4.5 Km in South Direction) and SH - 118 (~8.0 km in West direction). Nearest Railway Station is Patas Railway Station (~1.0 km in East direction from the project site)
54. Traffic Management	Width of all Internal roads (m): NA	6 Meters
Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA	There is no Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries
Category as per schedule of EIA Notification sheet	В	As per EIA Notification dated 14th Sept., 2006 and as amended from time to time; this project falls under Category 'B1', Project Activity '3 (b)' Cement Plants
2 - on OPPhases		Signature:

appropriet			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	.	Dr. Umakant Dangat
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Date of online submission	13-09-2017	11-06-2018						
SEAC	DISCUSSION ON ENVIRON	IMENTAL ASPECTS						
Environmental Impacts of the project	the report. PP has conducted base line data colle per EIA Notification, 2006 amended from time to	PP submitted EIA report to the committee. Various aspects of the Environment are discussed in the report. PP has conducted base line data collection for Air, Water, Soil & Noise parameters as per EIA Notification, 2006 amended from time to time. No effluent generates from the propsoed activity. As per data submitted by the PP in the EIA report environmental parameters are found within the prescribed limits on site.						
Water Budget	PP submitted water budget calculations in the El at Sr. No 33 of the Consolidated Statement.	A report and also indicated water requirement						
Waste Water Treatment	No waste water generates from the proposed act	ivity.						
Drainage pattern of the project	PP has designed storm water design based on th	e cotour of the propsoed area.						
Ground water parameters	As per data submitted by PP, ground water param project site. PP has obtained permission for grou							
Solid Waste Management	The construction waste will be utilized in levellin like used oil will be sold to CPCB authorized recy							
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.							
Energy Management	The electrical demand for proposed project is 20 MW, which will be supplied by MSEDCL. PP also proposes to have 1250 KVA DG set with HSD as a fuel.							
Traffic circulation system and risk assessment	PP proposes 6 meter wide internal roads with nin sufficent parking space.	ne meter wide turning radius and provided						
Landscape Plan	PP propsoes to have green belt on the area more	tha.						
Disaster management system and risk assessment	PP prepared disaster management plan to handle	e an emergency.						
Socioeconomic impact assessment	PP has carried out socio economic impact study a	and included in the EIA report.						
Environmental Management Plan	PP proposes EMP of cost of Rs. 100 Lakhs during capital cost and Rs. 115 Lakhs as O & M cost for							
Any other issues related to environmental sustainability	Not Applicable							
Brief information of the project by SEAC								
S								

ageno aness			Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	<u> </u>	Dr. Umakant Dangat
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PP submitted their application for the grant of TOR under category 3(b)B1 as per EIA Notification, 2006. PP presented draft TOR based on standard TOR issued by MoEF & CC published in April, 2015 for proposed clinker grinding unit of 5.5 Million TPA cement production.

Public Hearing as per EIA Notification, 2006 is applicable.

PP to collect base line data as per Office Memorandum issued by MoEF&CC dated 27.08.2017.

ToR was granted to the PP in 144th meeting held on 18.11.2017 as per standard ToR and additional ToR points mentioned below,

1. PP to submit copy of the Pune district regional plan certified by the District Collector/Asst. Director Town Planning ,Pune indicating the permissible land use of proposed site.

2. PP to submit lay out plan showing entry/exit gates, internal road width of six meters, turning radius of nine meters, location of pollution control equipment, location of solid waste and hazardous waste storage areas, parking areas, 33% green belt, rain water harvesting etc.

3. PP to include detailed material balance charts for each product showing consumption of raw material, sources of pollution and mitigation measures to control the pollution and justified use of resources along with quantities in the EIA report.

4. PP to submit copy of on site emergency plan. PP to carry out HAZOP and QRA and submit report

5. PP to carry out life cycle analysis of all the activities involved in the manufacturing process with respect to the sustainability index, green house and ozone depletion potential, energy consumption etc.

6. PP to ensure that the transportation of fly ash shall in closed container only.

7. PP to submit detailed calculations for rain water harvesting.

8. PP to submit copy of permission obtained from competent authority for using ground water for proposed project activities.

9. PP to submit detailed use of solar energy/green energy along with calculations.

10. PP to carry out survey and prepare need base CSR activities.

11. PP to provide lightening arrestors.

Now PP submitted EIA/EMP reprot.

DECISION OF SEAC

approverses			Signature: Name: Dr. Umakant Gangetzeo Dangat
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	Page 55	Dr. Umakant Dangat
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After detailed deliberations with the PP and their accredited consultant, SEAC decided to recommend the proposal to the SEIAA for prior Environment Clearance subject to the following conditions..

Specific Conditions by SEAC:

1) PP to obtain NA permission for industrial use from the District Collector. PP also to get layout sanctioned from the Asst. Director town planning and building permission from the competent authority. 2) PP to prepare CER plan and implent in consultation with the District Authority as per OM dated 01.05.2018 issued by MoEF&CC.

FINAL RECOMMENDATION

Stiller Article SEAC-I have decided to recommend the proposal to SEIAA for Prior Environmental clearance subject to above conditions

agentities Abhay Pimparkar (Secretary SEAC-I)

SEAC Meeting No: 153rd A (Day-2) Meeting Date: July 26, 2018

1 Signature: Name: Dr. Umakant Gangetreo Dangat Dr. Umakant Dangat Page 56 of 65 (Chairman SEAC-I)

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153rd (A) Meeting of State Level Expert Appraisal Committee (SEAC-1)

SEAC Meeting number: 153rd A (Day-2) Meeting Date July 26, 2018

Subject: Environment Clearance for Development of Access controlled Nagpur-Mumbai Expressway (NMEW) - Package IV from Kopargaon to Igatpuri (502.698 km to 623.379 km) in Ahmednagar and Nashik District, Maharashtra

Is a Violation Case: No

is a violation case: No						
1.Name of Project	Development of Access controlled Nagpur-Mumbai Expressway (NMEW) - Package IV from Kopargaon to Igatpuri (502.698 km to 623.379 km) in Ahmednagar and Nashik District, Maharashtra					
2.Type of institution	Government					
3.Name of Project Proponent	Maharashtra State Road Development Corporation (Ltd.)					
4.Name of Consultant	Building Environment (India) Pvt. Ltd					
5.Type of project	Highway Project					
6.New project/expansion in existing project/modernization/diversification in existing project	New Project					
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	No					
8.Location of the project	Ahmednagar and Nashik District, Maharashtra					
9.Taluka	Kopargaon, Sinnar and Igatpuri					
10.Village	54 villages					
Correspondence Name:	Maharashtra State Road Development Corporation (Ltd.)					
Room Number:						
Floor:						
Building Name:						
Road/Street Name:	Opp. Bandra Reclamation Bus Depot, Bandra (w) Mumbai - 400051					
Locality:	Bandra (w) Mumbai - 400051					
City:	Bandra					
11.Area of the project						
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number:					
	Approved Built-up Area: 000					
13.Note on the initiated work (If applicable)	Not yet started					
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable					
15.Total Plot Area (sq. m.)	Not applicable					
16.Deductions	Not applicable					
17.Net Plot area	Not applicable					
	a) FSI area (sq. m.): Not applicable					
18 (a).Proposed Built-up Area (FSI & Non-FSI)	b) Non FSI area (sq. m.): Not applicable					
	c) Total BUA area (sq. m.): 000					
	Approved FSI area (sq. m.):					
18 (b).Approved Built up area as per DCR	Approved Non FSI area (sq. m.):					
	Date of Approval: 01-01-1900					
19.Total ground coverage (m2)	Not applicable					
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable					
21.Estimated cost of the project	63651300000					

22.Number of buildings & its configuration

Abhay Pimparkar (Secretary SEAC-I)	SEAC Meeting No: 153rd A (Day-2) Meeting Date: July 26, 2018		Signature: Name: Dr. Umakant Gangetreo Dangat Dr. Umakant Dangat (Chairman SEAC-I)
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Serial number	Buildin	ig Name & i	number	Nu	mber of floors	Не	ight of the building (Mtrs)	
1	Ν	Not applicabl	е	1	Not applicable		Not applicable	
23.Number tenants an								
24.Number expected re users		Not applica	ble					
25.Tenant per hectare		Not applica	ble					
26.Height building(s)								
27.Right of (Width of t from the n station to t proposed h	the road earest fire the	120 m					08	
28.Turning for easy ac fire tender movement around the excluding t for the plan	cess of from all building the width	Not applica	ble			200		
29.Existing structure (Details of e	xisting struc	tures is atta	ched in Annexure 2	.2 of the EL	A report.	
30.Details demolition disposal (I applicable)	with f	Details are	Details are mentioned in EIA report.					
			31. P	roduct	tion Detail	S		
Serial Number	Pro	duct	Existing	(MT/M)	Proposed (MT/	'M)	Total (MT/M)	
1	-	-						
			82.Tota	l Wate	r Requiren	nent		
		Source of	water	Darna Dam, Bhavali Dam, Mukane Dam, Kadwa Dam of				
		Fresh wate	er (CMD):	Not applicable				
		Recycled water - Flushing (CMD):		Not applicable				
	c V	Recycled v Gardening		Not applicable				
	2	Swimming make up (Not applicable				
Dry season	1:	Total Wate Requirements		16, 29,193 m3 in construction phase in construction phase				
		Fire fighti Undergrou tank(CMD	ind water	Not applicable				
		Fire fighti Overhead tank(CMD	water	Not applicable				
		Excess tre	ated water	Not applicable				
				No: 153rd A (te: July 26, 2	(Day-2) Meeting 018	Page 58 of 65	Signature: Name: Dr. Umakant Gangetreo Danget Dr. Umakant Dangat (Chairman SEAC-I)	

		Source of wa	ter	Darna Dam,	Bhavali Dam,	Mukane I	Dam, Kadwa I	Dam of	
		Fresh water	(CMD):	Not applicable					
		Recycled wat Flushing (CM		Not applicable					
		Recycled wat Gardening (C		Not applicat	ole				
		Swimming po make up (Cu		Not applicat	ole				
Wet seaso	n:	Total Water Requirement :	(CMD)	16, 29,193 n	n3 in construct	tion phase	ein constructi	on phase	
		Fire fighting Underground tank(CMD):		Not applicat	ble			9	
		Fire fighting Overhead wa tank(CMD):		Not applicat	ble				
		Excess treate	ed water	Not applicat	ole				
Details of s pool (If an						C			
		33	Detail	s of Total	l water co	nsume	d		
Particula rs	Cons	sumption (CM	D)	I	Loss (CMD)	5	Efi	fluent (CMD)	
Water Require ment	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic			60.00						54.00
		Level of the water table:	Ground	<2 m bgl					
		Size and no of RWH tank(s) and Quantity:		240 structures					
		Location of t tank(s):	he RWH	Every 500 m throughout the alignment					
34.Rain V Harvestii		Quantity of r pits:	echarge	1.1782 m3 per recharge pit					
(RWH)		Size of recha :	rge pits	Diameter: 1 m Depth: 1.5 m					
	CY	Budgetary al (Capital cost		60,00,000/- (Cost of one RWH structure estimated is 25,000/-)					
		Budgetary al (O & M cost)		2,98,09,890/- (Maintenance of RWH for 7 years)					
		Details of UG if any :	T tanks	Not applicat	ole				
		Natural wate drainage pat		Not applicat	ole				
35.Storm drainage	water	Quantity of s water:	torm	Not applicat	ole				
		Size of SWD:		Not applicat	ole				

agger or anger		Signature: Name: Dr. Umakant Gangetrao Dangat
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		Sewage ge in KLD:	neration	54.00 (13.5 KLD / labour	r camp x 4 no. of camps)				
		STP techno	ology:	One Mobile STP per camp					
Sowago	Sewage and		f STP	14 KLD / labour camps					
Waste w		Location & the STP:	area of	One per labour camp					
		Budgetary (Capital co	allocation st):	8,00,000/-q					
		Budgetary (O & M cos		80,000/-					
	36.Solid waste Management								
		Waste gen		•	s of construction waste g	generation			
Waste gen the Pre Co and Constr phase:	nstruction	Disposal of construction debris:	f the	construction. • Local de debris/excess materials	construction waste will k velopment authority can to be disposed for variou small structures, emban	be invited to use the is development works			
		Dry waste:		Not Applicable					
		Wet waste	:	Not Applicable					
Waste ge	noration	Hazardous waste:		Not Applicable					
in the op Phase:		Biomedical waste (If applicable):		Not Applicable					
- muser	I Hust.		e (Dry	Not Applicable					
		Others if a	ny:	Not Applicable					
		Dry waste:		Not Applicable					
		Wet waste:		Not Applicable					
		Hazardous waste:		Not Applicable					
Mode of a of waste:	Disposal	Biomedical waste (If applicable):		Not Applicable					
		STP Sludge (Dry sludge):		Not Applicable					
		Others if a	ny:	Not Applicable					
		Location(s):	near labour camp					
Area requirem	ent:	Area for the storage of waste & other material:		Not Applicable					
	SY	Area for m	achinery:	Not Applicable					
Budgetary		Capital cos	st:						
(Capital co O&M cost)		O & M cos	t:						
			37.Ef	fluent Charectere	estics				
Serial Number	Paran	neters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)			
1	Not applicable as it is a road project and mobile STP will be provided as mentioned in Section 36.								

a contraction			Signature:
CEOP-			Name: Dr. Umakant Gangatrao Dangat
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Amount of e (CMD):	mount of effluent generation CMD):				Not Applicable						
Capacity of the ETP:				Not Applicable							
Amount of t recycled :	nt	Not Applicable									
Amount of v	water send to	the CETP:	Not A	pplica	ible						
Membershi	p of CETP (if	require):	Not A	pplica	ıble						
Note on ET	P technology	to be used	Not A	pplica	ble						
Disposal of	the ETP slud	ge	Not A	pplica	ble						
38.Hazardous Waste Details											
Serial Number	Descri	ption	Ca	nt	UOM	Exis	ting	Propose	d To	otal	Method of Disposal
1	Not applica a road p						-				
			3	9.St	acks em	issio	n D	etails			
Serial Number	Section & units		Fu	Fuel Used with Quantity		Stack No.		Height from ground level (m	diar	ernal neter m)	Temp. of Exhaust Gases
1				-	-		-				
			4().De	tails of F	uel t	to b	e used			
Serial Number	Туро	e of Fuel			Existing			Propose	posed		Total
1	Not A	Applicable									
41.Source of	of Fuel			Not A	pplicable						
42.Mode of	Transportati	on of fuel to	site			7					
					$\Delta \mathbf{Y}$						
		Total RG a	rea :								
		No of trees	s to be	Trees to be cut in forest area: 1236 trees Trees to be cut in non-forest area: 10,672 trees					to be cut in non-forest		
43.Gree		Number of be planted		Trees to be planted along the ROW in three tiers: 1,45,860							
Develop		List of pro native tree			Suggested list has been given in the EIA – Chapter 10 (Environmental Management Plan). The same shall be vetted by Competent State Government / Central Government Institute.						
		Timeline f completion plantation	n of Within 5 years								
	44.Nun	nber and	l list	of t	rees spe	cies	to b	e plant	ed in	the g	ground
Serial Number	Name of t	the plant	Co	ommo	n Name		Qua	ntity	Ch		eristics & ecological importance
1				-	-		-	-			-
45	i.Total quan	tity of plan	ts on	groui	nd						
46.Nun	nber and	list of sl	nrub	s an	d bushes	s spe	cies	to be j	plante	d in	the podium RG:
Serial Number	Namo				C/C Dista	nce			Area m2		
1		ble as it is a project	le as it is a road roject							-	-
Abhay Pimp SEAC-I)	AC Mee		No: 153rd A (te: July 26, 20		Meet	ing	Page 61 of 65	Dr. U	ture:		

2 Provenses			Signature:
GPC -			Name: Dr. Umakant Gangetreo Dangat
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	47.Energy								
		Source of j supply :	power	Maharashtra State Electricity Distribution Company Limited (MSE)					y Limited (MSEDCL)
		During Cor Phase: (De Load)		40 kVA					
		DG set as l back-up du constructio	ıring	40 kVA					
Pov	vor	During Op phase (Cor load):		60 kVA					
require		During Op phase (Der load):		48 kVA					
		Transform	er:	Transforme	r is not	required. I	LT connectio	n is requ	ired.
		DG set as l back-up du operation	iring	Not required. 10 KVA UPS for Toll plaza office					
		Fuel used:		High speed	diesel				
Details of high tension line passing through the plot if any:220 KV & 400 KVA line. Details are given in EIA.									
	48.Energy saving by non-conventional method:								
Not applica	ble		-99	y yv-		9			
49.Detail calculations & % of saving:									
Serial						C /0 01 3			
Number	Fineral Conservation Measures Saving %								
1		Not	applicable						
	50.Details of pollution control Systems								
Source		Existing po	llution cont	rol system			Propose	d to be i	nstalled
Details has been provid in Serial No 52 in Environmen Managemen plan Budgetary Allocation	ed tal								
Budgetary		Capital cos	st:						
(Capital	cost and	O & M cost							
O&M cost): O & M cost: 51.Environmental Management plan Budgetary Allocation									
a) Construction phase (with Break-up):									
Serial					se (n				
Number	Attri	butes	Para	Parameter Total Cost per annum (Rs. In Lacs)			s. In Lacs)		
1	monitori	nmental ng during tion phase	-	-			4,17,6	0,000/-	
									la a

age of the set		Signature:
Abhay Pimparkar (Secretary	SEAC Meeting No: 153rd A (Day-2) Meeting	 Dr. Umakant Dangat
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2	Noise Barriers (of 4 m height) along the stretches of project roads near habitations in operation phase for the total length of 7444.1 m.	ns pr			31,26,52,200/-						
3 Rainwater Harvesting Structures @ every 500 m (Approx. 240 structures)		-					60,00,00	0/-			
4	Plantation of 1,45,860 trees	-	-					3,64,65,0	00/-		
5	Fencing Around trees	-	-				1	,00,00,0	-/ 00		
6	Brick guard of 1,45,860 trees	-	-				1	4,58,60,0	00 /-	5	
7	Environmental measures in worker's camp	-	-					20,00,000/-			
8	Total	-	-				5	5,47,37,2	200/-		
	b) Operat	ion Pł	nase (wil	th Breal	k-up):			
Serial Number	Component	Descr			Capital cost Rs. In Lacs		Operational and Maintenance cost (Rs. in Lacs/yr)				
1	Environmental monitoring	For 3	For 3 years					1,20,14,837/-			
2	RWH maintenance	(for 7	(for 7 years)				2,98,09,890/-				
3	Plantations	(for 7	years)						9,34,24,9	969/-	
4	Environmental training	-	-		10,00,000/-						
5	Total	-	-		13,62,49,696/-						
51.S	torage of che	micals		ama stan	ce	S) Maximum	osiv	/haz	zardou	s/to	oxic
Descri	ption Status	Location	n	Storag Capaci in MT	ity	Quantity of Storage at any point of time in MT	/ Me	umption onth in MT	Source of Supply		eans of portation
Not App	Not Applicable										
	5	52.A	ny Ot	her In	nfo	rmation					
No Informa	tion Available										
		53.	Traffi	c Mar	nag	jement					
	Nos. of the to the mai design of confluence	e junction in road &				t is greenfie	eld pro	oject.			



	Number and area of basement:	Not Applicable as it is greenfield project.		
	Number and area of podia:	Not Applicable as it is greenfield project.		
	Total Parking area:	Not Applicable as it is greenfield project.		
	Area per car:	Not Applicable as it is greenfield project.		
	Area per car:	Not Applicable as it is greenfield project.		
Parking details:	Number of 2- Wheelers as approved by competent authority:	Not Applicable as it is greenfield project.		
	Number of 4- Wheelers as approved by competent authority:	Not Applicable as it is greenfield project.		
	Public Transport:	Not Applicable as it is greenfield project.		
	Width of all Internal roads (m):	Not Applicable as it is greenfield project.		
	CRZ/ RRZ clearance obtain, if any:	Not applicable		
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Eco Sensitive Zone of the Kalsubai Wildlife Sanctuary is 8.4 km from the proposed alignment		
	Category as per schedule of EIA Notification sheet	7 (f) category ' B '		
	Court cases pending if any	No		
	Other Relevant Informations			
	Have you previously submitted Application online on MOEF Website.	Yes		
	Date of online submission	25-02-2016		
SEAC	DISCUSSION	ON ENVIRONMENTAL ASPECTS		
Environmental Impacts of the project	the report. PP has condu	t to the committee. Various aspects of the Environment are discussed in acted base line data collection for Air, Water, Soil & Noise parameters as 06 amended from time to time.		
Water Budget	PP submitted water budget calculations in the EIA report and also indicated water requirement at Sr. No 33 of the Consolidated Statement.			
Waste Water Treatment	PP to provide movable toiles at the sites of workers accomodation.			
Drainage pattern of the project	PP has conducted detailed contour study for design of the proposed project and included in the EIA report.			
Ground water parameters	As per data submitted by PP, ground water parameters are within the prescribed limits at project site.			

approvales?			Signature: Name: Dr. Umakant Gangetreo Dangat
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	TINAL ALCOMMENDATION
2) PP to ensure dumping nearby habitation and a	plement CER plan in consultation with the respective District Authoriies. g of excavated material at designated site and take necessary steps to prevent adverse impact or gricultural fields etc. tation of local species of trees along the proposed express way to maintian biodiversity. FINAL RECOMMENDATION
Specific Conditions by	y SEAC:
	ons with the PP and their accredited consultant, SEAC decided to recommend the proposal to the ment Clearance subject to following conditions
The Public Hearing was Nashik.	conducted on 13.04.2017 at Kokamthan, Dist. Ahmednagar and on 24.01.2018 at Sinnar, Dist.
The Dublic Hearing	DECISION OF SEAC
In view of above remark	from EAC, MoEF&CC , SEAC-1 considered the proposal for appraisal.
PP submitted EIA/EMP	
	ion during its 191st meeting on 25th June, 2018, EAC observed that the proposal comes , hence suggested for transferring it to SEIAA, Maharashtra for consideration."
EAC,MoEF&CC again co	onsidered the proposal in their 191st meeting and decided as below,
	to the EAC of MoEF&CC. EAC granted the ToR to the proposed project on 17.08.2016.
sustainability	Brief information of the project by SEAC
Any other issues related to environmental	Not Applicable
Environmental Management Plan	PP proposes an EMP csot of Rs. 55.47 Cr.
Socioeconomic impact assessment	PP has carried out socio economic impact study and included in the EIA report.
Disaster management system and risk assessment	PP proposes adequate steps to handle an emergency.
Landscape Plan	PP propses to plant tress along the roads and as a compensatory afforestration.
Fraffic circulation system and risk assessment	Project it self is a express way project.
Energy Management	The electrical demand for proposed project is 48 kVA, which will be supplied by MSEDCL.
Air Quality & Noise Level issues	As per data submitted by PP, Air Quality and Noise parameters are within the prescribed limits at project site.
Management	geenrated.

aggeographies			Signature:
C669			Name: Dr. Umakant Gangatrao Dangat
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