5. Water quality survey report

Preparatory Survey

for Ganga Rejuvenation Project

(Varanasi)

Water Quality Examination

March 2017

Sai International Sansthan



Sai International Sansthan

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Results of water Quality Examination

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Results of water Quality Examination

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1. Location of Sampling Spots

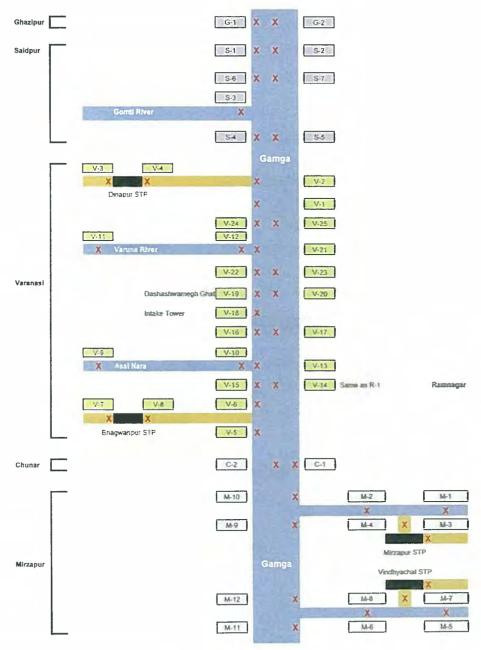


Figure 1.1 Location of Sampling Spots



Photo 1.1 Dashashwamegh Ghat, Varuna River Mouth and Dinapur STP & Outfall



Photo 1.2 Bhagwanpur STP & Outfall, Assi Nara U/S & Mouth and Intake Tower

2. Sampling Schedule

Table 2.1 Sampling Schedule

Update: 13th-Jul-2016

								Update: 13	
	·	_ who are a	Spot		No.	Dec-2015	Mar-2016		Sum
Chunar		Gan	ga River	shorefront	C-1	ļ	0	0	4
				center	C-2	}	0	0	
Ramnagar	<u> </u>	Gan	ga River	shorefront	R-1			0	Same C-14
			Upstream of	STP	M-1	i	0	0	
	Mirzapur	n	Downstream o	fSTP	M-2		0	0	
	STP	Existing	Raw Sewa	ge	M-3	l I	0	0	
			Treated Sew	age	M-4		0	0	
			Upstream of	STP	M-5	Ī	0	0	
	Vindhyachal	Postadoro	Downstream o	fSTP	M-6		0	0	24
Mirzapur	STP	Existing	Raw Sewa	ge	M-7		0	0	24
			Treated Sew	age	M-8		0	0	
			Upstream of Mizzapur STP	center	M-9		0	Ω	
			Downstream of Mirzapur STP	center	M-10		0	0	
	Ganga R	ıver	Upstream of Vindychal STP	center	M-11		0	0	
			Downstream of Vindychal STP	center	M-12		0	0	
omano orbitana			Upstream on discharge point	of effluent (Ganga)	V-1	0	0	0	
	Dinapur	Duire!-	Downstream on discharge poi	nt of effluent (Ganga)	V-2	0	0	0	
	STP	Existing	Raw Sewa	ge	V-3	0	0	0	
		ĺ	Treated Sew	age	V-4	0	0	0	
			Upstream on discharge point	of effluent (Ganga)	V-5	0	0	0	
	Bhagwanpur	F	Downstream of channel on discharge	point of effluent (Ganga)	V-6	0	0	0	
	STP	Existing	Raw Sewa	ge	V-7	0	0	0	
			Treated Sew	age	V-8	0	0	0	
			si Nala	upstreatm	V-9	0		0	
		As	si Nala	downstream	V-10	0			
				upstreatm	V-11	0		0	
	Varuna River		downstream	V-12	0				
Varanasi	Assi I		Assi Nala mouth	shorefront	V-13	0			54
			54 334 3	center	V-14	0		0	
		Upst	ream of Assi Nata mouth	shorefront	V-15	0		0	
				shorefront	V-16	0	Ì	0	
		Down	stream of Assi Nala mouth	center	V-17	0		0	
			Near Intake Tower	shorefront	V-18	0		0	
	Ganga River		Near Gaht	shorefront	V-19	0		0_	
	1	(I	Dashashwamegh Ghat)	center	V-20	0		0	1
	1		Varuna River mouth	shorefront	V-21	0			1
		,,,	om of Varing Pi	shorefront	V-22	0		0	
		Opstre	am of Varuna River mouth	center	V-23	0		0	
		Do	ream of Varuna River mouth	shorefront	V-24	0		0	
		DOWNSD	ream or warmed grace month	center	V-25	0		0	<u> </u>
		0-	an Piyar	shorefront	S-1		0	٥	[
		Gan	ga River	center	S-2		0	0	l
		Gomty	River mouth	center	S-3		0	0	
Saidpur		77	nom of Gomti Diver mouth	shorefront	S-4		0	0	14
	Constant	upstre	eam of Gomti River mouth	center	S-5		0	0	
	Ganga River			shorefront	S-6		0	0]
	1	Downst	ream of Gomti River mouth	center	S-7		0	0	1
C1 '	<u> </u>			shorefront	G-1	ORITHETICS IN	0	0	4
Ghazipur		Gan	ga River	center	G-2		0	0	1 1
OF A PERSONAL PROPERTY.	Not the Real Property lies, the party lies, th	-							Ç TE TE TEM

3. First Sampling (2015/12/8-9, Non-monsoon)

Table 3.1 First Water Quality Examination (Sampled on 08-09/12/2015

			Ì	İ		ľ										
S No		Temp (*C)	Ä	D0 (mg/l)	BOD (mg/l)	COD (mg/l)	TSS (mg1)	TDS (mg.1)	Free Ammonia (as N) (mg/l)	Amonical Nitrogen (as NH _c -N) (mg.1)	Total Kjehldal Nitrogen (mg/1)	Nitrite (as NO;-N) (mg/l)	Nitrate (as NO ₃ -N) (mg/l)	Total Nitrogen (mg/l)	Phosphate (as P) (mg/l)	Faecul
V-1	U/S of Dimapur STP	13.1	8,43	5.2	11.0	29.2	8.0	582.0	1.84	13.0	15.6	<0.1	20.7	36.3	196	22×10³
V-2	Shorefront of Danapur STP	218	9.45	4.3	17.0	110	160	4360	-10	7.81	11.3	¢0°)	5.56	98:91	1.48	25x10³
V-3	Rary Servage (Dunapur STP)	117	1.23	8.0	72.0	174.0	1020	0.875	2,38	13.4	6.04	<0.1	0.81	46.81	2.28	26x103
V.4	Treated Sewage (Dutapar STP)	34.9	90.8	\$0. 7	13.0	340	# \$ 0	\$220	2.14	18.2	32.6	-Q-1	8.49	31.09	1 86	22×10³
V-5	U/S of Bhagwanpur STP	219	1.25	10	<20	0+>	0,9	202 0	<10	410	3.47	1.0>	1.85	8 32	<01	\$×103
V-6	DiS of Blagwanpur STP	22.1	8.21	6.3	<2.0	4 10	10.0	216.0	<1.0	< 1.0	3.47	<0.1	6.65	10 12	0.11	6x103
V-7	Raw Sewage (Bhagwanpur STP)	24.7	7.62	10	62.0	143.4	0.99	410.0	2.46	21.7	31.2	<0.1	06'1	33 10	3 00	46x10 ³
V-8	Treated Sewage (Blagwanpur STP)	23.9	7 93	5.4	8.2	33.5	<50	318.0	<1.0	9.54	13.0	1.0>	10.7	23.7	1 12	39×10 ³
V-9	U/S of Asta Nara	22.3	7.52	1.5	42.0	101 1	0'09	548.0	6.28	27.8	38.2	€0.)	5871	40.05	3 92	27x103
V-10	V-10 Assi Nala Mouth	23.0	7.96	9.0	13.0	9 661	126.0	534.0	5.26	26.9	36.5	<0.)	E.38	37.88	3.26	41×10 ³
V-13	U/S of Variana River	20.8	7.84	4.2	8.4	32.1	28.0	550.0	2.18	17.4	21.7	<0.1	177	23.14	1 80	33×103
V-12	V-12 Vartna River Mouth	23.4	\$.11	4.7	8.9	240	26.0	\$56.0	2.47	661	24.3	<0.1	1.38	25.68	1,83	27x10 ³
V-13	Assi Nala Mouth (Shorefront)	23.3	1 63	3.4	38.0	168	96.0	368.0	3.24	15.6	6.61	<01	< 0.5	*VALUE!	2.03	36x10 ³
V-14	U/S of Assi Nala Mouth (Center)	216	133	6.3	F20	0+>	10.0	216.0	< 1.0	< 1.0	2.60	<0.1	3,12	5.72	<0.1	11×10 ³
V-15	U'S of ten Nala Mouth (Shorefront)	21.7	6.21	6.5	× 2.0	01>	0'9	236.0	<10	< 1.0	3.47	<01	6.88	10.35	0.13	\$×103
1-16	D.S. of Arm Mala Mouth (Shorefront)	22.1	T 94	5.6	**	12.8	0.01	264.0	<10	3 17	6.07	60.1	< 0.5	*VALUE	05.0	14x103
17-17	D S of Asta Nala Month (Center)	21.7	133	6.1	< 2.0	< 10	12.0	206.0	<1.0	<10	3 60	<0.1	2.71	5.31	<01	9×10³
Vill	Intake Tower (Shorefront)	21.9	11.11	6.2	4.2.0	<10	10 0	2440	<10	< 10	3.47	<0.1	5.43	8.90	0.23	13x10 ³
V-19	Aun Ghat (Shorefront)	21.7	132	7.1	×2.0	< 10	6.0	228.0	<10	<10	3 98	<0.1	4.50	B 48	<01	12x103
V-20	Aun Chat (Center)	21.8	#24	6.9	€2.0	< 10	0.11	2160	< 1.0	<10	3.47	<0.1	439	7 86	<01	10×10
V-21	V-21 Varues River Mouth (Shornfront)	23	7.92	5.3	1.4	36 \$	32.0	548.0	2.64	20.1	21.7	100	69'0	22,39	1.76	14x103
V-22	11.5 of Varuna River Mouth (Shoreficus)	21.2	\$.35	119	62.0	12	× 5 0	316 0	<1.0	1,73	137	<0,1	2.65	7.02	<01	11×10
V.23	U.S. of Varuna River Mouth (Center)	21.6	8.30	6.5	< 2.0	0 10	< 5.0	206.0	<1.0	<10	2.60	<0,1	3.52	6.12	< 0.1	13x103
17:24	V-24 D-S of Varuan River Month (Shorefront)	22.3	7.90	5.9	4.3	20.0	6.0	346.0	<1.0	8 68	11.3	<0.1	0.75	12.05	1.32	17x103
V-33	D.S. of Varuna River Mouth (Center)	21.5	\$.34	7.0	< 2.0	3.6	0.1	1960	< 1.0	1.73	1,7	<0.1	3 12	7.46	99.0	12x103

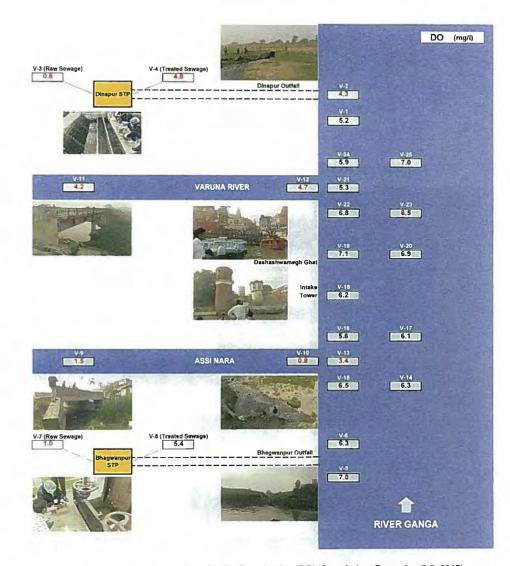


Figure 3.1 Results of First Water Quality Examination (DO) (Sampled on December 8-9, 2015)

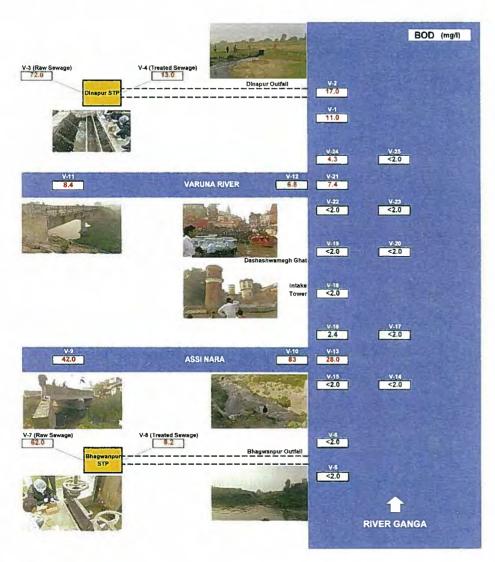


Figure 3.2 Results of First Water Quality Examination (BOD) (Sampled on December 8-9, 2015)

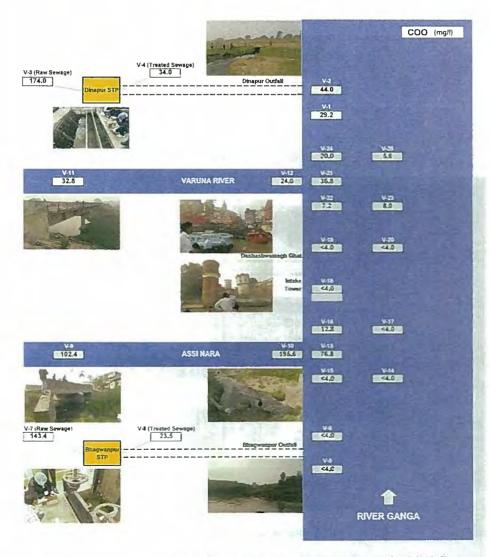


Figure 3.3 Results of First Water Quality Examination (COD) (Sampled on December 8-9, 2015)

4. Second Sampling (2016/3/26-28、Non-monsoon)

						-	-	-				l			-	
S, S,	Location	Tegy	Нd	DO (mg/l)	BQD (mg/l)	(mg/l)	TSS (mg/l)	TDS (fl/gm)	Free Ammonia (as N) (mg/l)	Amonical Nitrogen (as NH ₄ -N) (mg/l)	Total Kjehldal Nitrogen (mg/l)	Nimite (as NO ₂ -N) (mg/l)	Nitrate (as NO ₃ -N) (mg/l)	Total Nitrogen (mg/l)	Phosphate (as P) (mg/l)	Faecal Coliform
3	Chunar Ganga Raver (Shorefront)	26.9	8.94	6.5	5.4	71	0.41	358.0	< 1.0	1.12	3.96	8	4.26	\$ 22	0.78	3.7×10³
3	Chuaur Ganga River (Center)	262	968	6.2	3.0	6.7	12.0	334.0	< 1.0	< 1.0	3.28	<0.1	4.05	7.33	69.0	3.2×10 ³
3	Ghazipur Ganga River (Shorefront)	57.9	8.72	7.0	0.2 ×	87	< 5.0	374.0	61>	0;>	3 42	<0.1	2.48	5.90	0.97	2.9x10³
3	Ghazipur Ganga River (Center)	26.9	8.69	17	< 2.0	< 4.0	<50	360.0	0.1 >	0.5	2.98	<0.1	2.56	5.54	60	1,5x10 ²
٧.	(1/1S of Discharge Point of Effluent (Ganga) Dinapur STP	26.0	8.42	6.9	<2.0	<4.0	< 5.0	578.0	0.1>	0.1.5	2.43	<0.3	4.62	7.05	2,53	18×10
V-2	D/S of Discharge Point of Effluent (Ganga) Dinapar STP	28.1	8,92	8.9	< 2.0	0,4.5	< 5.0	598.0	0.1>	<10	2.89	1.00	3.84	6.73	2.88	21×101
V-3		27.0	7.73	0,15	8+.0	201.6	18.0	574,0	3.29	2.81	Ţ	<0.1	96'0	45.26	1.67	22x10
77	Treated Sewage (Dinapur STP)	26.9	8.05	42	11.0	29.5	<5.0	558.0	1.26	4.76	15.2	40.1	1.39	65.91	3,10	17x10
V.5	U/S of Discharge Point of Effluent (Ganga) Bhagwanpur STP	28.4	9.26	7.1	<2.0	0,4.0	22.0	342.0	<1,0	0.1.5	3.26	<0.1	4.28	7.54	0.83	5x10³
4.6		27.2	9.18	8.9	<2.0	8°.	14.0	362.0	< 1.0	61.>	4.23	<0.1	4,39	8.62	98'0	3×10³
V.7		797	7.62	<1.0	37.0	9:48	42.0	142.0	2.49	14.8	30.6	<0.1	1.95	32,55	3.02	34×10
8 ^	Treated Sewage (Bhagwanpur STP)	26.2	7.53	5.7	67	16.8	< 5.0	306.0	<1.0	33	12.5	1.0	4.23	16.73	1.82	29×10
ž.	Raw Sewage (Mirapur STP)	26.4	9.02	< 1.0	58.0	130.2	68.0	646.0	2.96	23.2	59.8	1.0	1.24	61.04	3 8 2	27x10³
¥	Treated Sewage (Mirzapur STP)	2,7,2	98'6	1.8	22.0	53.6	24.0	648.0	1.58	19.3	35.2	45.1	2.08	37.28	3.82	24×10 ³
S.	U/S of Vindhyachal STP	27.2	\$,12	2,4	10.0	26.5	0.95	0.044	135	4.8	14.9	<0.1	1.46	16.36	2.03	16x10'
M-6	D/S of Vindhyachal STP	26.4	B.84	< 1.0	37.0	92.4	156.0	422.0	2,42	13.50	27.5	1.0	2.38	29.88	141	3,3×10³
M-7	Raw Sewage (Vindhyachal STP)	27.2	7.03	<1.0	240.0	529.2	114.0	785.0	7.38	42.9	83.9	1.0	1.33	85.13	10.2	29×10
M-8	Frented Sewage (Vindhyachai STP)	25.9	834	1.5	17.0	42.0	0'81	358.0	1,82	17.5	31.8	<0,1	2.48	34.28	123	14x10 ³
6-M	Mirzapur Ganga River (Center) (U/S of Mirzapur STP)	26.2	7.29	89	0.E.>	<4.0	< 5.0	306.0	< 1.0	< 1.0	2.49	<0.1	4.26	6,75	1.25	4x103
M-10	M-10 Mirzapur Gangs River (Center) (D/S of Mirzapur STP)	26.3	69'8	6.5	<2.0	6.4	12.0	336,0	<10	<1.0	3.25	<0.1	5.92	9.17	1.35	4x103
M-11	Mirzapur Ganga River (Center) (U/S of Vindbyachal STP)	26.7	8.05	7.2	< 2.0	0.+>	22.0	302.0	< 1.0	< 1.0	3.26	<0.1	4,05	7.31	1,18	2.5×10³
M-12	Mirzapur Ganga River (Center) (D/S of Vindhyachal STP)	27.0	8.73	6.9	¢2.0	0.4.>	20.0	132.0	c10	< 1.0	3.98	<0.1	4,83	8.81	1.29	2×103
š	Saidpur Gomit River Mouth (Center)	26.6	899	6.5	< 2.0	1.6	34.0	228.0	< 1.0	1.3	4.26	<01	2.56	6.82	2 11	éx103
S-2	Saidpur Ganga River (Shorefront) (D/S of Gomti River mouth)	27.2	6.57	+ '9	< 2.0	6.0	24.0	302.0	0,1 >	1.4	3.98	<0.1	3.92	7.90	1.76	2,7x10³
S-3	Saidpur Ganga River (Center) (D/S of Gomb River mouth)	26.7	6.58	6.5	< 2.0	6.8	12.0	268.0	<1.0	91	4.05	<0.1	2.59	6.54	1.62	3.1x10
I	Saidpur Ganga River (Shorefront)	27.6	++ 9	8.9	<2.0	<4.0	18.0	308.0	< 1.0	< 1.0	2.96	<0.1	2.68	5,64	1.52	1.8210
S-S	Saidpur Ganga River (Center)	26.0	6.57	6.5	< 2.0	5.0	8.0	330.0	< 1.0	1.4	3.47	<0.1	3.05	6.52	1.39	2,4x10 ³
9.S	Saidpur Ganga River (Center) (U/S of Gomb River mouth)	26.4	6.50	1.0	< 2.0	<4.0	< 5.0	302.0	<1.0	<1.0	2.05	<0.1	4.26	631	1.42	1.7x30³
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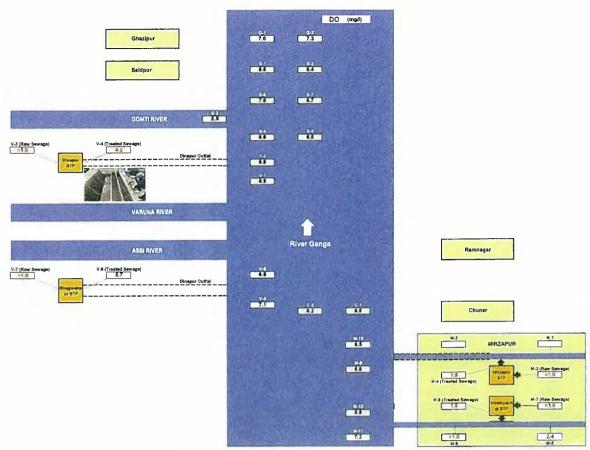


Figure 4.1 Results of Second Water Quality Examination (DO) (Sampled on March 26-28, 2016)

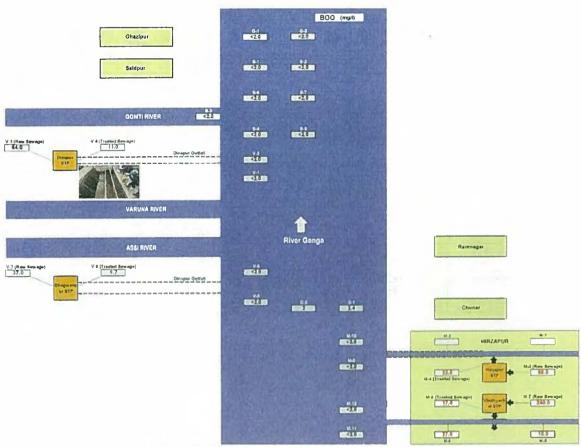
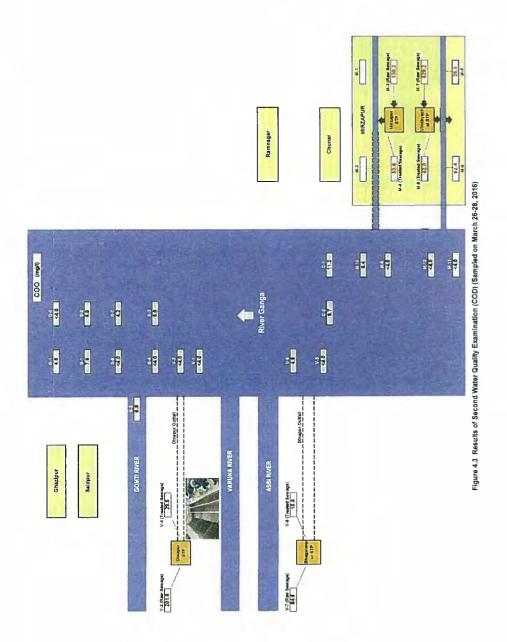


Figure 4.7 Results of Second Water Quality Examination (BOD) (Sampled on March 26-28, 2018)



5. Third Sampling (2016/7/18-20、Monsoon)

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			apie	v Finite V	Table 5.1 Third Water Quality Examination (Sampled on 18-20/07/2016	y Examina	non (sam	pled on 18	JL02//0/07-							
į	ivelence [Temp	¥	00	BOD	COD	TSS	SCE	Free Ammonis	Amonical	Total Kjehidal	Nitrite (as NON)	Nitrate (as NO ₁ -N)	Total	Phosphate (as P)	Faccal
3	רסיקומו	ê E		(mg/l)	(ng/l)	(mg/1)	(Lgn)	(f/g/m)	(Lg II)	(A-,FN as)	Nitrogen (mg/l)	(mg/l)		(ng/l)	(mg/l)	Соштоги
Ü	Chunar Ganga River (Shorefront)	28.5	7.72	5.9	2.6	12.0	1178.0	130.0	< 1.0	< 1.0	1 42	<0.1	96'0	2.38	< 0.1	14×103
C-2	Chunar Ganga River (Center)	28.4	7.74	0.9	<2.0	6.4	1154.0	136.0	<10	<10	1.24	<01	1,28	2.52	10>	12×10
M-1	U/S of Mirzzpur STP	30.2	6.94	2.4	4.5	10.4	8.0	308.0	<10	<10	2.46	<01	1.26	3.72	197	13×10
M-2	D/S of Mirzapur STP	28.8	717	<1.0	30.0	75.6	14.0	0.065	2.96	151	33.9	<0.1	2.05	35.95	2.85	17×10 ³
M-3	Raw Sewage (Mirzapur STP)	29.7	677	<10	1400	3108	22.0	618.0	3.28	19.0	39.6	<0.1	2.68	42.28	3.58	21 x 10
Ä	Treated Sewage (Mirzapur STP)	28.1	7.14	<10	360	88.2	18.0	648.0	3.06	13.7	28.5	<01	2.92	31.42	2.65	18 x 103
M-S	U/S of Vindhyachai STP	28.2	7.26	2.7	5.0	12.6	< 5.0	396.0	<1.0	<1.0	2.49	1.0>	1.02	3.51	1.13	9×103
9-W	D/S of Vindhyachal STP	28.5	7.40	2.1	9.2	21.0	0.9	350.0	<1.0	<10	2 62	<0.1	1.32	3.94	0.81	24×10³
M-7	Raw Sewage (Vindhyachal STP)	29.2	999	<1.0	0.06	205 8	20.0	562.0	3.92	28.5	72.6	<0.1	1.16	73.76	1.97	22 × 10³
W-8	Treated Sewage (Vindhyachal STP)	29.6	8.02	< 1.0	24.0	71.4	14.0	388.0	1.76	601	25.7	<0.1	1.05	26.75	0.73	10×10³
0-M	_	29.4	7.50	0.9	<2.0	80	2460	148.0	<1.0	01×	2.46	<0.1	2.04	4.50	<0.1	28×10³
M-10		28.7	7,83	6.2	< 2.0	8.0	2600	130.0	×10	<10	2.05	<0.1	1.96	4:01	< 0.1	32×10³
M-11		29.2	7.62	5.8	2.0	11.2	< 5.0	128.0	< 1.0	01>	ž	¢0 1	1,82	4.86	< 0.1	7×10 ³
M-12	Mirzapur Ganga River (Center) (D/S of Vindhyachal STP)	29.5	7 84	5.2	6.3	21.6	086	126.0	×10	<10	324	40.1	1.85	\$ 09	< 0.1	3×103
3	[178 of Discharge Point of Effluent (Ganga) Bhagwannur STP	29.2	7.57	6.7	< 2.0	5.6	854.0	160.0	×10	v 1 0	1 26	100	2.46	3,72	<0.1	35 x 10 ³
Y-6	D/S of Discharge Point of Effluent (Ganga) Bhacwannur STP	29.1	7.58	62	21	12.8	438.0	158.0	01>	×10	1.28	1.00	2,38	3 66	<0.1	32×10
V-7	Raw Sewace (Bhacwannur STP)	28.9	7.08	<10	35.0	8.67	38.0	390.0	1,32	7.56	19.50	0.1	1.82	21.32	2.5	15 × 103
87	Treated Sewage (Bhacwantur STP)	29.2	7.42	5.4	5.2	13.2	26.0	4360	<10	01>	3.46	10>	3.98	7.44	1.52	21 x 10 ³
6-7	U/S of Assi Nuls	29.0	7.59	5.7	3.1	14.4	1132.0	170.0	<10	<10	128	0.1	1.68	2 96	0.21	43 x 103
V-10	D/S of Assi Nala	28.7	7.26	3.7	15.0	54.6	130.0	268.0	2,46	53	19.70	₹01	1.28	20,98	0.29	32×10³
V-1:	U/S of Varung River	28.7	7.15	5.9	3.0	14.4	92.0	242.0	<1.0	<10	1 96	<0.1	2.05	4.01	0,63	27×10³
V-12	D/S of Varuna River	28.9	7 03	65	2.8	11.5	128.0	234.0	<10	1.46	398	<0.1	2.46	644	0.22	22 × 10³
V-13		29.2	7.49	œ.	8.2	34.6	1230.0	0.861	×10	7	12.50	<0.1	1.39	13.89	0.35	48 × 103
V-14	•	29.7	7.19	6.4	< 2.0	5.2	0.069	160.0	<10	0 V	1 49	<0.1	1.39	2.68	0.14	41 x 103
V-15	U/S of Assi Nula Mouth (Shorefront)	29.1	7.58	8.9	<2.0	4.0	176.0	168.0	01/	01>	1.28	<0.1	1.96	3 24	< 0.}	40 × 10
V-16	D/S of Assi Nala Mouth (Shorefront)	29.0	7.31	6.2	< 2.0	<4.0	284.0	196.0	<10	<10	136	<0.1	1.82	3 18	0.34	39 ×10³
V-17	D/S of Assi Nala Mouth (Center)	29 0	7.48	6.3	< 2.0	4.0	670.0	176.0	<10	¢10	1.42	00.1	1.05	2.47	0.18	31×10
V-18	Near Intake Tower (Shorefront)	29.0	7.55	6.4	< 2.0	3.6	616.0	0.091	÷10	210	1 42	79.1	2.46	3.88	C 0 1	27 × 10
V-21	Varuna River Mouth (Shorefront)	29.5	7 92	0.9	< 2.0	7.2	710.0	160.0	01>	010	2.56	9	1.92	14.48	0.19	34 ×10
V-22	_	29.5	7.37	6.9	<2.0	0.4.0	772.0	154.0	×10	010	1.86	<0.1	1.24	3 10	0.24	32×10
V-33	_	7.87	86/	8.0	075	0.4.0	0.9671	0.40	01.	0	60.7	10.	90,0	200	0.35	Co. 100
*	D/S of Varuna River Mouth (Shorefront)	267	97/	72	0.7.0	40	0.88.0	128.0	01.	0 0	1 06	7 9	136	3.32	91.0	13 + 10
3 -	D/s or varing Alver Mouto (Center)	701	196	3	200	17.6	1102.0	170.0	01.	01.	2.45	105	2.18	12.	0 >	41 × 10
5	Saidous Canga River (Shorefrom)	20.2	761	62	720	800	778.0	1990	01:-	.10	1.28	<0.1	1.39	2.67	<0.1	40×10³
i Z	Saideur Genni River Mouth (Center)	30.0	1	5.7	3.0	4.4	26.0	207 0	.10	×10	- 42	1.0.	2.46	3.88	0.23	22 x 10 ³
Ž.	Saidpur (Fanga River (Shorefront) (U/S of Gomi River Mouth)	29 1	7.58	5.2	7.0	21.0	716.0	160.0	×1.0	010	1.96	1.0-	1.83	3.79	< 0.1	39 × 10 ³
S-5	Saidpur Ganga River (Center) (U/S of Gomti River Mouth)	29 1	191	8.4	.2.0	7.2	0.2611	1680	0130	010	1.8.1	1.0.1	1.98	3.82	< 0.1	27 x 10 ³
80	Saidpur Ganga River (Shorefront) (D/S of Gomit River Mouth)	29.9	7.51	6,0	23	11.2	430.0	1920	01 -	010	1.80	.0.1	2,42	431	0.15	34×10
S-7	Suidpur Ganga River (Center) (D/S of Gomit River Mouth)	29.2	7.03	. 1.0	28.0	75.6	0.894	2100	2.16	4.48	12.70	10.	1.95	14.65	98.0	39 x 10 ³
3	Ghazipur Ganga River (Shorefront)	290	7.56	8.9	- 2.0	9.6	0 8021	0.021	01:	< 10	140	.01	1.82	531	< 0.1	48 x103
G-2	Ghazzpur Ganga River (Center)	29.3	7.21	0.0	0.5×	7	492.0	1760	v10	0.10	1.02	- 0.1	1.05	2.97	< 0.1	40×10

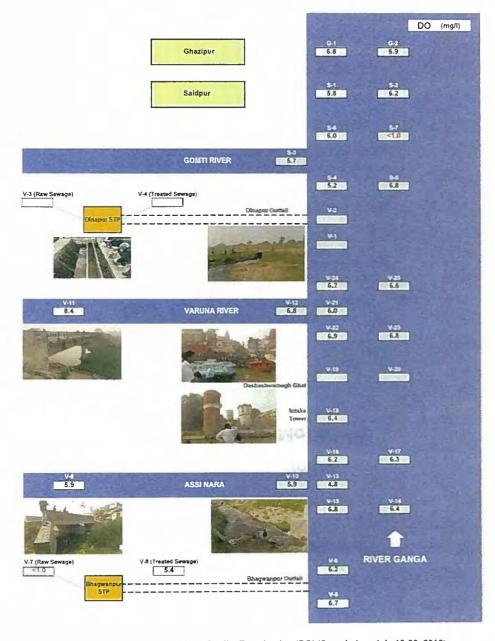


Figure 5.1 Results of Third Water Quality Examination (DO) (Sampled on July 18-20, 2016)

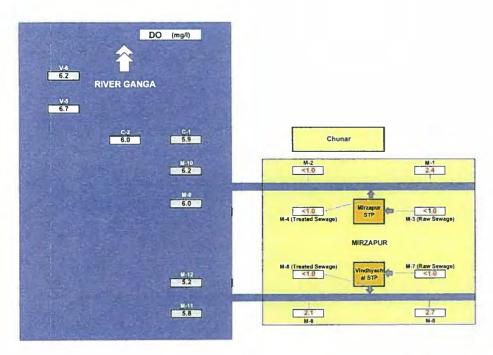


Figure 5.2 Results of Third Water Quality Examination (DO) (Sampled on July 18-20, 2016)

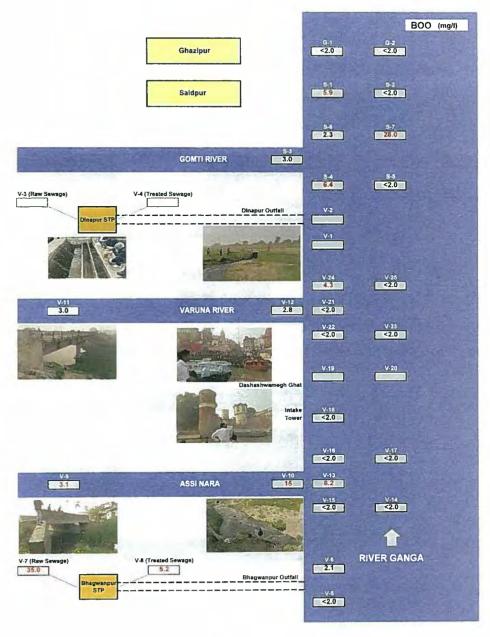


Figure 5.3 Results of Third Water Quality Examination (BOD) (Sampled on July 18-20, 2016)

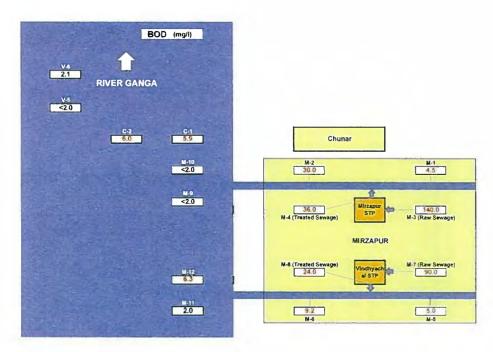


Figure 5.4 Results of Third Water Quality Examination (BOD) (Sampled on July 18-20, 2016)



Figure 5.5 Results of Third Water Quality Examination (COD) (Sampled on July 18-20, 2016)

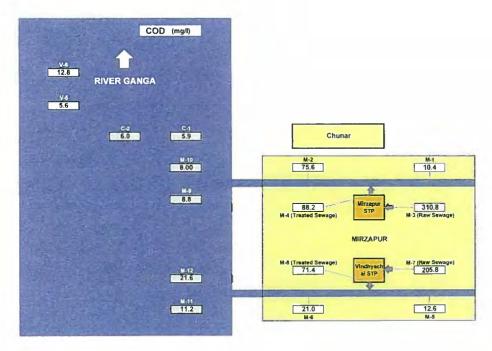


Figure 5.6 Results of Third Water Quality Examination (COD) (Sampled on July 18-20, 2016)

6. Certificate of Water Quality Examination By the Laboratory

6.1 First Sampling

(2015/12/8-9, Non-monsoon)



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19/12/2015

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Environmental Consultants and Analytical Laboratory

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-W4/002/101215 Issue Date

Issued To SALINTERNATIONAL SANSTHAN
SOCIAL SERVICE ORGANIZATION

4 -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-1)

Sample Drawn on 09/12/2015

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 10/12/2015

Sampling Location Upstream of Dinapur STP

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Conglision Normal

Analysis Duration 10/12/2015 To 18/12/2015

Remark (if any) NA

RESULTS

		11200210		
S.No.	PARAMETER	Test Methods	Results	Units
1	pН	IS: 3025 (P-11)	8,41	-
2	Temperature	IS: 3025 (P-9)	23 :	deg.C
3	Total Dissolved Solids	IS: 3025 (P 16)	512.0	mgl
4	Total Suspended Solids	1S : 3025 (P-17)	8.0	mg/L
5	Phosphate (as P)	IS · 3025 (P-31)	1 96	rog/L
6	Nitrate (as NO3)	IS 3025 (P-34)	20.7	mgAL
7	Dissolved Oxygen	IS 3025 (P-38)	5.2	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	13.0	mgAL
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	15.6	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	1.84	നൃദ്
11	COD (as O2)	IS 3025 (P-58)	29.2	rog1.
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	-110	mg/L
13	Feacal Coliform	15 1522	22·10³	Per 100mL

FOR EKO PRO ENGINEERS PYTUETO LACHT

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines



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EK0/EV-WA/002/101215 Test Report No. :

Issue Date 19/12/2015

End of Report

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- 4. This test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer. Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
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TEST REPORT

Water Sample Analysis

EK0/EV-WA/003/101215 Test Report No. : 19/12/2015 Issue Date

Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-2)

09/12/2015 Sample Drawn on

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 10/12/2015

Downstream of Dinanur STP Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal Environmental Condition

10/12/2015 To 18/12/2015 Analysis Duration

Remark (if any) NA

RESURTS

		KLOULIO		
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS : 3025 (P-11)	9.45	-
2	Temperature	IS 3025 (P-9)	21.8	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	436.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	16.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	1.48	mg/L
6	Nitrate (as NO3)	IS . 3025 (P-34)	5.56	mg/L
7	Dissolved Oxygen	IS · 3025 (P-38)	4.3	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	7.81	mg/L
9	Total Kjehldal Nitrogen	lS 3025 (P-34)	11.3	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-34)	< 1.0	mg/L
11	COD (as O2)	IS: 3025 (P-58)	44.0	mg/L
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	17.0	mg/L
13	Feacal Coliform	IS · 1622	25×10³	Per 100mL

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EK0/EV-WA/003/101215 Test Report No. :

Issue Date

19/12/2015 **End of Report**

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5. Responsibility of the Laboratory is limited to the invoiced amount only

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TEST REPORT

	Water Sample Analysis		
Test Report No.	EK0/EV-WA/904/101215	Issue Date	19/12/2015
Issued To	SALINTERNATIONAL SANSTHAN		
	SOCIAL SERVICE ORGANIZATION		
	A -01, DURGA APARTMENT		
	NEW SHIVPURI COLONY		
	HINOO, RANCHI		
Sample Description	Water Sample (V-3)		

Sample Drawn on 09/12/2015

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 10/12/2015

Raw Sewage (Dinapur STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Monmal

10/12/2015 To 18/12/2015 Analysis Ditration

Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	PΗ	IS : 3025 (P-11)	8.23	-
2	Temperature	IS . 3025 (P-9)	24.2	deg.C
3	Total Dissolved Solids	IS: 3025 (P-15)	428.0	mg/L
4	Total Suspendert Solids	IS: 3025 (P-17)	102.0	mg/L
5	Phosphate (as P)	IS : 3025 (P-31)	2.28	mg1.
6	Nitrate (as NO3)	IS: 3025 (P-34)	0.81	mg/L
7	Dissolved Okygen	IS: 3025 (P-38)	0.8	mgl
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	23.4	mg/L
9	Total Kjenidal Nitrogen	IS : 3025 (P-34)	46.0	mg/L
10	Free Ammon a (as N	IS: 3025 (P-34)	2.38	mg/L
11	COD (as O2)	IS 3025 (P-58)	174 0	mg/L
12	BOD (@27°C for 3 days)	19 3025 (P-44)	72.0	mg/L
13	Feacal Coliform	!S 1622	26×10³	Per 100mL



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19/12/2015

End of Report

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EK0/EV-WA/004/101215 Test Report No. :

Issue Date

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TEST REPORT

	Water Sample Analysis		
Test Report No. :	EK0/EV-WA/005/101215	Issue Date	19/12/2015
Issued To	SALINTERNATIONAL SANSTUAN		

SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (V-4)

Sample Drawn on 09/12/2015

EPEPL(Mr. Krishan Kant Mishra) Sample Drawn by

Sample Received on 10/12/2015

Treated Sewage (Dinapur STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

10/12/2015 To 18/12/2015 Analysis Duration

NΑ Remark (if any)

RESULTS

		KEGGETG		
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	8.06	>
2	Temperature	IS 3025 (P-9)	24.9	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	522.0	mg/L
4	Total Suspended Solids	IS . 3025 (P-17)	< 5.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.86	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	8.49	mg/L
7	Dissolved Oxygen	IS:: 3025 (P-38)	4.8	mg/L
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	18.2	mg/L
9	Total Kjehldal Nitrogen	IS: 3025 (P-34)	22.6	mg/L
10	Free Ammonia (as N)	IS _3025 (P-34)	2.14	mg/L
11	COD (as O2)	IS 3025 (P-58)	34.0	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	13.0	mg/L
13	Feacal Coliform	IS: 1622	22×10³	Per 100mL

FOR EKO PRO ENGINEERS PYTYLTE

19/12/2015

End of Report



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Test Report No. :

EK0/EV-WA/005/101215

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TEST REPORT

Water Sample Analysis		
V-W4/002/091215	Issue Date	19/12/2015
SALINTERNATIONAL SANSTHAN		
SOCIAL SERVICE ORGANIZATION		
4-01, DURGA APARTMENT		
NEW SHIVPURI COLONY		
HINOO, RANCHI		
Water Sample (V-5)		
08/12/2015		
EPEPL(Mr. Krishan Kant Mishra)		
09/12/2015		
Upstream of Bhagwanpur STP		
SOP-W/66		
2.0 Lime		
Normal		
09/12/2015 To 18/12/2015		
NA		
	SOCIAL SERVICE ORGANIZATION 4-01, DURGA APARTMENT NEW SHIVPURI COLONY HINOO, RANCHI Water Sample (V-5) 08/12/2015 EPEPL(Mr. Krishan Kant Mishra) 09/12/2015 Upstream of Bhagwanpur STP SOP-W/66 2.0 Litre Normal 09/12/2015 To 18/12/2015	SAI INTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION 4 -01, DURGA APARTMENT NEW SHIVPURI COLONY HINOO, RANCHI Water Sample (V-5) 08/12/2015 EPEPL(Mr. Krishan Kant Mishra) 09/12/2015 Upstream of Bhagwarpur STP SOP-W/66 2.0 Litre Normal 09/12/2015 To 18/12/2015

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pΗ	IS 3025 (P-11)	8.25	-
2	Temperature	IS 3025 (P-9)	21.9	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	202.0	mgl
4	Total Suscender Solids	IS 3025 (P-17)	6.0	mgL
5	Phosphate (as P)	IS 3025 (P-31)	< 0.1	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	4.85	mg-L
7	Dissolved Oxygen	IS : 3025 (P-38)	7.0	mg/L
8	Amonical Nitrogen (as NH4)	tS : 3025 (P-34)	< 1.0	mg/L
9	Total Kjenidal Nitrogen	IS: 3025 (P-34)	3.47	mg1.
10	Free Ammonia (as N)	IS: 3025 (P-34)	< 1.0	mg².
11	COD (as O2)	IS 3025 (P-58)	< 4.0	Jen
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	< 2.0	Ngri
13	Feacal Coliform	IS 1622	8×10 ²	Per 100ml

FOR EKO PRO ENGINEERS PYTUTE



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Environmental Consultants and Analytical Laboratory

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EK0/EV-WA/002/091215 Test Report No. :

Iceus Date

19/12/2015 **End of Report**

Notes :

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19/12/2015

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/003/091215 Test Report No. : Issued To

SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-6)

08/12/2015 Sample Drawn on

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

09/12/2015 Sample Received on

Downstream of Bhagwanpur STP Sampling Location

SOP-W/66 Sampling Plan & Procedure 2 0 Litre Sample Quantity Normal Environmental Condition

09/12/2015 To 18/12/2015 Analysis Duration

NA Remark (if any)

RESULTS

	11200210				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS · 3025 (P-11)	8.21	-	
2	Temperature	IS :: 3025 (P-9)	22.1	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	216.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	10.0	mg/L.	
5	Phosphate (as P)	IS 3025 (P-31)	0.11	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	6.65	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	6.3	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	< 1.0	mg/L	
9	Total Kjehidal Nitrogen	IS 3025 (P-34)	3.47	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	< 1.0	mg/L	
11	COD (as O2)	IS 3025 (P-58)	< 4.0	mg/L	
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	< 2.0	mg/L	
13	Feacal Coliform	IS: 1622	6×10³	Per 100ml	





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Test Report No. :

EK0/EV-WA/003/091215

Issue Date

19/12/2015
End of Report

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TEST REPORT

TEST REPORT				
		Water Sample Analysis		
Test Report No. :	EKO/EV-WA/0	04/091215	Issue Date	19/12/2015
Issuea To		SAI INTERNATIONAL SANSTHAN		
		SOCIAL SERVICE ORGANIZATION		
		A -01, DURGA APARTMENT		
		NEW SHIVPURI COLONY		
		HINCO, RANCHI		
Sample Description		Water Sample (V-7)		
Sample Drawn on		08/12/2015		
Sample Drawn by		EPEPL(Mr. Krishan Kent Mishra)		
Sample Received on		09/12/2015		
Sampling Location		Raw Sewage (Bhagwanpur STP)		
Sampling Plan & Proc	edute	SOP-W/66		
Sample Quantity		2.0 Litre		
Environmental Condit	ion	Normal		
Analysis Dyration		09/12/2015 To 18/12/2015		

RESULTS

NA

	11200210				
S No.	PARAMETER	Test Methods	Results	Units	
1	pΗ	IS 3025 (P-11)	7 62	-	
2	Temperature	IS 3025 (P-9)	24.7	Ceg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	410.0	mgl	
.1	Total Suspended Solids	IS 3025 (P-17)	66.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	3.0	mgt.	
6	Nitrate (as NO3)	IS 3025 (P-34)	1,9	mgt.	
7	Dissolvea Oxygen	IS 3025 (P-38)	1.0	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	21.7	mg/L	
9	Total Kjehidal Nitrogen	ts 3025 (P-34)	31.2	mg/L	
10	Free Ammonia (as N	IS 3025 (P-34)	2.46	mg/L	
11	COD (as O2)	IS: 3025 (P-58)	143.4	mg/L	
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	62.0	rag/L	
13	Feacal Coliform	IS : 1622	46×10°	Per 100mL	

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19/12/2015 Issue Date

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/005/091215 19/12/2015 Issue Date

Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (V-8)

Sample Drawn on 08/12/2015

EPEPL(Mr. Krishan Kant Mishra) Sample Drawn by

Sample Received on 09/12/2015

Treated Sewage (Bhagwanpur STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2 0 Litre Normal Environmental Condition

09/12/2015 To 18/12/2015 Analysis Duration

NA Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS _ 3025 (P-11)	7.93	-
2	Temperature	IS _3025 (P-9)	23.9	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	318.0	mg/L
4	Total Suspended Solids	IS : 3025 (P-17)	< 5.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.82	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	10.7	mg/L
7	Dissolved Oxygen	IS: 3025 (P-38)	5.4	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	9.54	mg/L
9	Total Kjehldal Nitrogen	IS: 3025 (P-34)	13.0	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-34)	< 1.0	mg/L
11	COD (as O2)	IS: 3025 (P-58)	23.5	mg/L
12	BOD (@27°C for 3 days)	IS · 3025 (P-44)	8.2	mg/L
13	Feacal Coliform	IS : 1622	39×10³	Per 100mL

For EKO PRO ENGINEERS PYTULTD

19/12/2015

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EK0/EV-WA/005/091215 Test Report No :

Issue Date 19/12/2015

"End of Report"

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TEST REPORT

Water Sample Analysis

Test Report No. Issued To

EK0/EV-WA/010/111215

SAI INTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION

± -01. DURGA APARTMENT

NEW SHIVEURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-09)

Sample Drawn on 10/12/2015

Sample Drawn by EPEPL(Mr. Rakumar Chauhan)

Sample Received on 11/12/2015

Down Stream of Ramma STP Sampling Location

SOP.W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litra Environmental Condition Mormal

11/12/2015 To 18/12/2015 Analysis Duration

Remark (If any) MA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pΗ	IS 3025 (P-11)	7.52	-
2	Temperature	IS 3025 (P-9)	22.3	deg.C
3	Total Dissolve : Solids	IS 3025 (P-16)	548.0	mg·L
4	Total Suspended Solids	IS 3025 (P-17)	60.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	3.92	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	i 85	mg/L
7	Dissolvea Oxygen	IS 3025 (P-38)	1.5	mgfL
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	27 ±	mg/L
9	Total Kjehidal Nitrogen	IS 3025 (P-34)	38.2	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	6.28	mg/L
11	COD (as O2)	IS 3025 (P-58)	102.4	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	42.0	mg/L
13	Feacal Coliform	IS 1622	27× 10³	Per 100cmL

FOR EKO PRO ENGINEERS PYTYLETO



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FK0/FV-WA/010/111215 Test Report No. :

19/12/2015 Issue Date

End of Report

Notes:

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TEST REPORT

Water Sample Analysis

FK0/FV-WA/011/111215 Test Report No. : 19/12/2015 Issue Date

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (V-10)

10/12/2015 Sample Drawn on

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

11/12/2015 Sample Received on

Sampling Location Assi Nala Mouth (Center)

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

11/12/2015 To 18/12/2015 Analysis Duration

NΑ Remark (if any)

RESULTS

	NEODETO			
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.96	-
2	Temperature	IS : 3025 (P-9)	23.0	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	534.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	126.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	3.26	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.38	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	0.8	mg/L.
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	26.9	mg/L.
9	Total Kjehldal Nitrogen	IS : 3025 (P-34)	36.5	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-34)	5.26	mg/L
11	COD (as O2)	IS 3025 (P-58)	195.6	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	83.0	mg/L
13	Feacal Coliform	IS_1622	41×10³	Per 100mL

For EKO PRO ENGINEERS PVT/LITD

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Test Report No. : EK0/E

EK0/EV-WA/011/111215

Issue Date

Notes:

19/12/2015
End of Report

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TEST REPORT

	ILSTREFORT		
	Water Sample Analysis		
Test Report No. EKO/EV	-WA/006/101215	Issue Date	19/12/2015
Issued To	SALINTERNATIONAL SANSTHAN		
	SOCIAL SERVICE ORGANIZATION		
	A -01, DURGA APARTMENT		
	NEW SHIVPURI COLONY		
	HINOO, RANCHI		
Sample Description	Water Sample (V-11)		
Sample Drawn on	09/12/2015		
Sample Drawn by	EPEPL(Mr. Krishan Kant Mishra)		
Sample Received on	10/12/2015		
Sampling Location	Varuna River Mouth (Center)		
Sampling Plan & Procedure	SOP-W/66		
Sample Quantity	2.0 Live		
Environmental Condition	Normal		
Analysis Duration	10/12/2015 To 18/12/2015		
Remark (if any)	NA		

RESULTS

S No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	7.84	-
2	Temperature	IS 3025 (P-9)	20.8	deg.C
3	Total Dissolved Solids	ts 3025 (F-15)	550.0	mg/L
4	Total Suspended Sollas	IS 3025 (P-17)	28.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.60	mg/L
6	Nitrate (as 1403)	IS: 3025 (P-34)	1 44	mg:L
7	Dissolved Oxygen	IS : 3025 (P-38)	4.2	. mg%
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	17.4	mg*L
9	Total Kjenidal Nitrogen	IS: 3025 (P-34)	217	ದ್ವಾನಿ.
10	Free Ammonia (as N)	IS: 3025 (P-34)	2.18	mg1.
11	COD (as O2)	IS: 3025 (P-58)	32.6	mgl.
12	BOD (@27°C for 3 cays)	IS: 3025 (P-44)	8.4	ಗ್ರಾಕ್ತಿ
13	Feacal Coliform	IS : 1622	33×10°	Per 100mL

FOR EKO PRO ENGINEERS PYTHE

Notes:

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Test Report No.: EK0/EV-WA/006/101215

Issue Date 19/12/2015

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/007/101215

Jed To SAI INTERNATIONAL SANSTHAN
SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-12)

Sample Drawn on 09/12/2015

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on 10/12/2015

Sampling Location Gomti River Mouth (Center)

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 10/12/2015 To 18/12/2015

Remark (if any) NA

RESULTS

	1120270				
S.No.	PARAMETER	Test Methods	Results	Units	
1	pH	IS 3025 (P-11)	8.11	-	
2	Temperature	IS 3025 (P-9)	23.4	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	556.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	26.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	1.83	mg/L	
6	Nitrate (as NO3)	1S 3025 (P-34)	1.38	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	4.7	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	19.9	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	24.3	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	2.47	mg/L	
11	COD (as O2)	IS: 3025 (P-58)	24.0	mg/L	
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	6.8	mg/L	
13	Feacal Coliform	IS: 1622	27×10³	Per 100mL	

For EKO PRO ENGINEERS PVT. LTD



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FK0/FV-WA/007/101215 Test Report No. :

Issue Date

10/12/2015 **End of Report**

Notes :

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TEST REPORT

Water Sample Analysis						
Test Report No.	EK0/EV-WA/006/091215		Issue Date	19/12/2015		

Issued To SALINTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION

> A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-13)

Sample Drawn on 08/12/2015

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on 09/12/2015

Upstream of Assi Nala Mouth, Shore Front (Ganga River) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Little Sample Quantity Normal Environmental Condition

09/12/2015 To 18/12/2015 Analysis Duration

Remark (if any)

RESULTS

	11000110				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS 3025 (P-11)	7.63	-	
2	Temperature	IS 3025 (P-9)	23.3	deg.C	
3	Total Dissolved Solids	IS 3025 (P-15)	358.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	56.0	mgiL.	
5	Pnospnate (as P)	IS 3025 (P-31)	2.03	mg/L	
6	Nitrate (as 1103)	IS · 3025 (P-34)	< 0.5	mg/L	
7	Dissolved Oxygen	IS · 3025 (P-38)	3.4	cog/L	
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	15.6	mgt	
9	Total Kjenigal Nitrogen	IS: 3025 (P-34)	19.9	mg/L	
10	Free Ammonia :as N	IS: 3025 (P-34)	3.24	ന്ദ്വീ	
11	COD (as O2)	IS · 3025 (P-58)	76.8	mg4_	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	28.0	mgiL	
13	Feacal Collform	IS : 1622	36×10³	Per 100ml	

For EKO PRO ENGINEERS PYTYLET

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Test Report No. : EK0/EV-WA/006/091215

19/12/2015 Issue Date

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End of Report

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TEST REPORT

Water	Sample	Analy	sis	

Test Report No. : EK0/EV-WA/007/091215 19/12/2015 Issue Date

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Water Sample (V-14) Sample Description

Sample Drawn on 08/12/2015

EPEPL(Mr. Krishan Kant Mishra) Sample Drawn by

Sample Received on 09/12/2015

Unstream of Assi Nala Mouth, Center (Ganga River) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

09/12/2015 To 18/12/2015 Analysis Duration

NA Remark (if any)

RESULTS

	11200210				
S.No.	PARAMETER	Test Methods	Results	Units	
1	pΗ	IS 3025 (P-11)	8.32	-	
2	Temperature	IS: 3025 (P-9)	21.6	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	216.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	10.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	< 0.1	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	3.12	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	6.3	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	< 1.0	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	2.60	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	< 1.0	mg/L	
11	COD (as O2)	IS: 3025 (P-58)	< 4.0	mg/L	
12	BOD @27°C for 3 days)	IS 3025 (P-44)	< 2.0	mg/L	
13	Feacal Coliform	IS 1622	11×10³	Per 100mL	

For EKO PRO ENGINEERS PYTYLTE

FOR EKO PRO ENGINEERS PYTYLTO

19/12/2015



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Test Report No. : EK0/E

EK0/EV-WA/007/091215

Issue Date

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TEST REPORT

Water Sample Analysis					
Test Report No.	EK0/EV-WA/008/091215	Issue Date	19/12/2015		

Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-15)

Sample Drawn on 08/12/2015

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on 09/12/2015

Sampling Location Down Stream of Assi Nata Mouth, Shore From (Ganga River)

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Libre
Environmental Condition Normal

Analysis Duration 09/12/2015 To 18/12/2015

Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pΗ	IS 3025 (P-11)	8.21	-
2	Temperature	tS 3025 (P-9)	21.7	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	236.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	6.0	mg/L
5	Prospnate as P	IS 3025 (P-31)	0.13	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	6.88	ang/L
7	Dissolved Oxygen	IS 3025 (P-38)	6.5	J. Pgm
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	< 1.0	mg/L
9	Total Kjenidal Nitrogen	IS 3025 (P-34)	3.47	mgt
10	Free Ammonia (as N)	IS 3025 (P-34)	< 1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	< 4.0	mg/L
12	BOD (@27°C for 3 days)	15 3025 (P-44)	< 2.0	mgs
13	Feacal Coliform	IS 1622	8×10²	Per 100mL

FOR EKO PRO ENGINEERS PYT LETO HE

19/12/2015

End of Report

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TEST REPORT

Water Sample Analysis

FK0/FV-WA/009/091215 Test Report No. : 19/12/2015 Issue Date

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SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (V-16)

08/12/2015 Sample Drawn on

EPEPL(Mr. Krishan Kant Mishra) Sample Drawn by

Sample Received on 09/12/2015

Down Stream of Assi Nala Mouth, Center (Ganga River) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal Environmental Condition

09/12/2015 To 18/12/2015 Analysis Duration

Remark (if any) NA

RESULTS

	1/200210				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS : 3025 (P-11)	7.94		
2	Temperature	IS: 3025 (P-9)	22.1	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	264.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	10.0	mg/L	
5	Phosphate (as P)	IS ; 3025 (P-31)	0.50	mg/L	
6	Nitrate (as NO3)	IS: 3025 (P-34)	< 0.5	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	5.6	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	3,47	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	6.07	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	< 1.0	mg/L	
11	COD (as O2)	IS 3025 (P-58)	12.8	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	2.4	mg/L	
13	Feacal Coliform	IS 1622	14×10³	Per 100mL	

For EKO PRO ENGINEERS PVT LTD

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19,12,2015

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Test Report No. : EK0/EV-V

EK0/EV-WA/009/091215

Issue Date

Notes:

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TEST REPORT

Water	Sample	Analysis	

Test Report No. : EK0/EV-WA/010/091215 Issue Date 19/12/2015

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SOCIAL SERVICE ORGANIZATION
A .01, DURGA APARTMENT
NEW SHIVPURL COLONY

HINGO, RANCHI

Sample Descriptor Water Sample (V-17)

Sample Drawn on 08/12/2015

Sample Drawn by EPERL(Mr. Krishan Kant Mishra)

Sample Received on 09/12/2015

Sampling Location Near Intake Tower, Shore Front (Ganga River)

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 09/12/2015 To 18/12/2015

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	Hq	IS 3025 (P-11)	8.23	-
2	Temperature	IS 3025 (P-9)	21.7	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	206.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	12.0	ang L
5	Phosphate (as P)	IS . 3025 (P-31)	<0;	mg·L
6	Nitrate (as NO3)	IS: 3025 (P-34)	2.71	mgt
7	Dissolved Oxygen	IS: 3025 (F-38)	6.1	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (F-34)	< 1.0	mg/L
9	Total Kjenigal Nitrogen	IS: 3025 (F-34)	2.60	mg/L
10	Free Ammoria (as N)	IS: 3025 (P-34)	₹ 1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	₹ 4.0	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	< 2.0	mg/L
13	Feacal Coliform	IS 1622	9×10³	Per 100ml





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FK0/FV-WA/010/091215 Test Report No. :

Issue Date

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/011/091215 Test Report No. : 19/12/2015 Issue Date

Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Water Sample (V-18) Sample Description

08/12/2015 Sample Drawn on

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 09/12/2015

Near Ghat Shore Front (Ganga River) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal Environmental Condition

09/12/2015 To 18/12/2015 Analysis Duration

Remark (if any) NA

RESULTS

	11250210				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS : 3025 (P-11)	8.11	-	
2	Temperature	IS 3025 (P-9)	21.9	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	244.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	10.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	0.21	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	5.43	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	6.2	mg/L	
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	< 1.0	mg/L	
9	Total Kjehldal Nitrogen	IS . 3025 (P-34)	3.47	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	< 1.0	mg/L	
11	COD (as O2)	IS 3025 (P-58)	< 4.0	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	< 2.0	mg/L	
13	Feacal Coliform	IS 1622	13×10°	Per 100mL	

For EKO PRO ENGINEERS PYTULTO



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Test Report No. : EK0/EV-WA/011/091215

Issue Date

End of Report

19/12/2015

Notes:

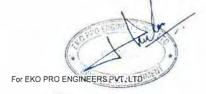
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TEST REPORT

	TEST REPORT					
	Water Sample Analysis					
Test Report No. : EKO/EV-	WA/012/091215	Issue Date	19/12/2015			
Issued To	SALINTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION A-01, DURGA APARTMENT					
	NEW SHIVPURI COLONY HINOO, RANCHI					
Sample Description	Water Sample (V-19)					
Sample Drawn on	08/12/2015					
Sample Drawn by	EPEPL(Mr Rajkumar Chauhan)					
Sample Received on	09/12/2015					
Sampling Location	Near Ghat Center (Ganga Fover)					
Sampling Plan & Procedure	SOP-W/66					
Sample Quantity	2.0 Litre					
Environmental Condition	Normal					
Analysis Duration	09/12/2015 To 18/12/2015					
Remark (if any)	NA					

RESULTS

S.No. PARAMETER	Test Methods	Results	Units
1 pH	IS _3025 (P-11)	5.32	-
2 Temperature	IS 3025 (P-9)	21.7	deg.C
3 Total Dissolved Solid-	IS 3025 (P-16)	228.0	mgfL
4 Total Suspended Solids	IS 3025 (P-17)	6.0	mg.L
5 Phosphate (as P)	IS . 3025 (P-31)	< 0.1	mg*L
6 Nitrate (as NO3)	IS · 3025 (P-34)	4.50	regit
7 Dissolved Oxygen	IS : 3025 (2-38)	7.1	mg4.
8 Amonical Nitrogen (as NH4)	IS 13025 (P-34)	< 1.0	mg/L
9 Total Kjehldal Nitrogen	IS: 3025 (F-34)	3.98	mg/L
10 Free Ammonia (as N)	IS: 3025 (P-34)	< i.0	ಗಾಡ್ತ್ರಿಗ್ನಿ
11 COD (as O2)	IS 3025 (P-58)	< 40	mgs.
12 BOD (@27°C for 3 days	IS 3025 (P-44)	- 2.0	nigiL
13 Feacal Coliform	IS 1522	12×10²	Per 100mL

For EKO PRO ENGINEERS PVA VIN SHEET

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Issue Date 19/12/2015

Notes:

End of Report

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/013/091215 Test Report No. : Issue Date 19/12/2015

Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (V-20)

08/12/2015 Sample Drawn on

EPEPL (Mr. Raikumar Chauhan) Sample Drawn by

09/12/2015 Sample Received on

UP Stream of Varuna River Mouth Shore Front (Ganga River) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Mormal Environmental Condition

09/12/2015 To 18/12/2015 Analysis Duration

NA Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS : 3025 (P-11)	8.34	-
2	Temperature	IS 13025 (P-9)	21.8	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	218.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	8.0	mg/L
5	Phosphate (as P)	IS . 3025 (P-31)	< 0.1	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	4.39	mg/L
7	Dissolved Oxygen	IS _ 3025 (P-38)	6.9	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	< 1.0	mg/L
9	Total Kjehldal Nitrogen	IS: 3025 (P-34)	3.47	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-34)	< 1.0	mg/L
11	COD (as O2)	IS: 3025 (P-58)	< 4.0	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	< 2.0	mg/L
13	Feacal Coliform	IS 1622	10×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD

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Test Report No. :

EK0/EV-WA/013/091215

Issue Date

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19/12/2015
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TEST REPORT

Water Sample Analysis						
Test Report No.	EK0/EV-WA/014/091215			Jeena Data	19/12/2015	

Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION
A -01, DURGA APARTMENT
NEW SHIVPURI COLONY

HINGO, RANCHI

Sample Description Water Sample (V-21)

Sample Drawn on 08/12/2015

Sample Drawn by EPEPL(Mr. Rajkumar Chauhan)

Sample Received on 09/12/2015

Sampling Location UP Stream of Varuna River Mouth Center (Ganga River)

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 09/12/2015 To 18/12/2015

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	7 92	
2	Temperature	IS 3025 (P-8)	23.1	deg.C
3	Total Dissolved Solids	IS 3025 (P-15)	548.0	mgt
4	Total Suspended Schos	IS 3025 (P-17)	32.0	mgt
5	Phosphate (as F)	IS . 3025 (P-31)	1.76	mgrL
6	Nitrate (as NO3)	IS: 3025 (P-34)	0.69	-91L
7	Dissolved Oxygen	IS : 3025 (P-38)	5.3	ಗ್ರಾಕ್ತಿ
8	Amonica Ntrogen (as NH4)	IS: 3025 (P-34)	20.8	mg/L
9	Total Kjehlgal Nitrogen	IS: 3025 (P-34)	21.7	mg/L
10	Free Ammonia (as NI)	IS: 3025 (P-34)	2.64	mg/L
11	COD (as O2)	IS 3025 (P-58)	36.8	mg/L
12	BOD (@2T'C for 3 days)	IS 3025 (P-44)	74	ang L
13	Feacal Collform	IS 1622	14×10°	Per 100ml

For EKO PRO ENGINEERS PUTVETE



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EK0/EV-WA/014/091215 Test Report No. :

Issue Date

19/12/2015 **End of Report**

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/015/091215 19/12/2015 Issue Date

Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO RANCHI

Sample Description Water Sample (V-22)

Sample Drawn on 08/12/2015

EPEPL(Mr. Rajkumar Chauhan) Sample Drawn by

Sample Received on 09/12/2015

Down Stream of Varuna River Mouth Shore Front (Ganga River) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Normal Environmental Condition

09/12/2015 To 18/12/2015 Analysis Duration

NA Remark (if any)

RESULTS

	KESSETS						
S.No.	PARAMETER	Test Methods	Results	Units			
1	pН	IS 3025 (P-11)	8.35	-			
2	Temperature	IS 3025 (P-9)	21.7	deg.C			
3	Total Dissolved Solids	IS 3025 (P-16)	216.0	mg/L			
4	Total Suspended Solids	IS ; 3025 (P-17)	< 5.0	mg/L			
5	Phosphate (as P)	IS -3025 (P-31)	< 0.1	mg/L			
6	Nitrate (as NO3)	IS : 3025 (P-34)	2.65	mg/L			
7	Dissolved Oxygen	IS 3025 (P-38)	6.8	mg/L			
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	1.73	mg/L			
9	Total Kjehldal Nitrogen	IS : 3025 (P-34)	4.37	mg/L			
10	Free Ammonia (as N)	IS : 3025 (P-34)	< 1.0	mg/L			
11	COD (as O2)	IS : 3025 (P-58)	7.2	mg/L			
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	< 2.0	mg/L			
13	Feacal Coliform	IS 1622	11×10³	Per 100mL			

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Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines



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Test Report No. :

EKN/EV:WA/015/091215

Issue Date

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Analysis Duration Remark (if any)

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TEST REPORT

	TEST ILEI OILT		
	Water Sample Analysis		
Test Report No. EK0/EV-WA/	016/091215	Issue Date	19/12/2015
Issued To	SALINTERNATIONAL SANSTHAN		
	SOCIAL SERVICE ORGANIZATION		
	A -01, DURGA APARTMENT		
	NEW SHIVPURI COLONY		
	HINOO, RANCHI		
Sample Description	Water Sample (V-23)		
Sample Drawn on	08/12/2015		
Sample Drawn by	EPEPL(Mr. Rajkumar Chauhan)		
Sample Received on	09/12/2015		
Samping Location	Down Stream of Varuna Rilver Mouth Center (Ganga River)		
Sampling Plan & Procedure	SOP-WI66		
Sample Quantity	2.0 Litre		
Environmental Condition	Normal		

RESULTS

09/12/2015 To 18/12/2015

S.No.	PARAMETER	Test Methods	Results	Units
1	p ⁴ 4	IS 3025 (P-11)	6.30	-
2	Temperature	IS 3025 (P-9)	21.6	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	206.0	rog/L
4	Total Suspended Splics	IS 3025 (P-17)	≤5.0	mg/L
5	Phosphate (as P)	IS . 3025 (P-31)	< 0.:	mgl
6	Nitrate (as NO3)	IS 3025 (P-34)	3.52	mg/L
7	Dissolved Oxygen	IS : 3025 (P-38)	6.5	mg/L
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	₹ ;.0	mg/L
9	Total Kjehidal Nitrogen	IS: 3025 (P-34)	2.60	mg&
10	Free Ammonia (as N)	IS: 3025 (P-34)	< i.0	mg/L
11	COD (as C2)	IS 3025 (P-58)	5.0	mgi
12	BOD (@27°C for 3 days)	IS · 3025 (F-44)	< 2.0	mg%_
13	Feacal Coliform	IS 1622	13×10³	Per 100mL



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19/12/2015 Issue Date

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TEST REPORT

Water Sample Analysis

FK0/FV-WA/017/091215 Test Report No. : 19/12/2015 Issue Date

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-24)

Sample Drawn on 08/12/2015

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

09/12/2015 Sample Received on

UP Stream of Gomti River Mouth Shore Front (Ganga River) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.01 itre Environmental Condition Normal

09/12/2015 To 18/12/2015 Analysis Duration

Remark (if any) NA

RESULTS

	KEGOL13				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS = 3025 (P-11)	7.90	-	
2	Temperature	IS 3025 (P-9)	22.3	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	346.0	mg/L	
4	Total Suspended Solids	IS : 3025 (P-17)	6.0	mg/L	
5	Phosphate (as P)	IS: 3025 (P-31)	1.32	mg/L	
6	N trate (as NO3)	IS 3025 (P-34)	0.75	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	5.9	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	8.68	mg/L	
9	Total Kjehldal Nitrogen	IS: 3025 (P-34)	11.3	mg/L	
10	Free Ammonia (as N)	IS: 3025 (P-34)	< 1.0	mg/L	
11	COD (as O2)	IS: 3025 (P-58)	20.0	mg/L	
12	BOD (@27°C for 3 days)	IS : 3025 (P-44)	4.3	mg/L	
13	Feacal Coliform	IS _1622	17×10³	Per 100mL	

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TEST REPORT

	Water Cample Anglesia		
	Water Sample Analysis		1111
Test Report No.	EKO/EV-WA/018/091215	Issue Date	19/12/2015
Issued To	SAI INTERNATIONAL SANSTHAN		
	SOCIAL SERVICE ORGANIZATION		
	A -01, DURGA APARTMENT		
	NEW SHIVPURI COLONY		
	HINOO, RANCHI		
Sample Description	Water Sample (V-25)		
Sample Drawn on	08/12/2015		
Sample Drawn by	EPEPL(Mr. Rajkumar Chauhan)		
Sample Received on	09/12/2015		
Sampling Location	UP Stream of Gomti River Mouth Center (Ganga River)		
Sampling Plan & Proced	ture SOP-W/66		
Sample Quantity	2.0 Lipe		
Environmental Condition	Normal		
Analysis Duration	09/12/2015 To 18/12/2015		
Remark (if any)	NA		

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pΗ	IS 3025 (P-11)	8.34	-
2	Temperature	IS 3025 (P-9)	21.5	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	196.0	mg/L
4	Total Suspended Solids	IS =3025 (P-17)	8.0	mg/L
5	Phosphate (as P)	IS , 3025 (P-31)	0.68	mg/L
6	Nitrate (as NO3)	IS : 3025 (P-34)	3,12	mg/L
7	Dissolved Oxygen	IS : 3025 (P-38)	7.0	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	1.73	mg/L
9	Total Kjenidal Nitrogen	IS: 3025 (P-34)	4,34	mgt
10	Free Ammon a (as N)	IS: 3025 (P-34)	< 1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	5.6	ന്നൂഴ്ച
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	< 2.0	mg/L
13	Feacal Coliform	IS 1522	12×10 ³	Per 100ml

FOR EKO PRO ENGINEERS PYTULTO

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EK0/EV-WA/018/091215 Test Report No. :

Issue Date 19/12/2015

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Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines

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6.2 Second Sampling

(2016/3/26-28, Non-monsoon)



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Issue Date : 12/04/2016

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TEST REPORT

Water Sample Analysis

Issued To

SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (C-1)

Sample Drawn on 27/03/2016

Test Report No.: EK0/EV-WA/009/280316

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on 28/03/2016

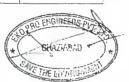
Chunar Ganga River - shorefront Sampling Location

Sampling Plan & Procedure SOP-W/66 Sample Quantity : 2.0 Litre Environmental Condition Normai

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) : NA

	RESULTS				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS 3025 (P-11)	8.94		
2	Temperature	IS 3025 (P-9)	26.9	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	358.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	14.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	0.78	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	4.26	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	6.5	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	1.12	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	3.96	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L	
11	COD (as O2)	IS 3025 (P-58)	11.2	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	2.4	mg/L	
13	Feacal Coliform	IS 1622	3.7×10³	Per 100mL	



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TEST REPORT

Water Sample Analysis

EK0/EV-WA/010/280316 Test Report No. Issue Date : 12/04/2016

Issilen To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (C-2)

Sample Drawn on 27/03/2016

Sample Drawn by EPEPL(Mr. Knshan Kant Mishra)

Sample Réceived on 28/03/2016

Chunar Ganga River - center Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 | stre Environmental Condition Normal

Analysis Duration 2E/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	Hq	IS . 3025 (P-11)	8.96	-
2	Temperature	IS: 3025 (P-9)	26.2	deg.C
3	Total Dissolved Solids	IS . 3025 (P-16)	334.0	mgA
4	Total Suspended Solids	IS: 3025 (P-17)	12.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	0.69	mgA_
ð	Nitrate (as NO3)	IS : 3025 (P-34)	4.05	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	6.2	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	3.28	mg/L
10	Free Ammonia (as N)	IS 3025 (?-34)	<1.0	mg/L
11	COD (as O2)	IS . 3025 (P-58)	97	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	2.0	mg/L
13	Feacal Coliform	IS . 1622	3 2×10 ³	Per 100mL



Analytical Services - Analysis of Environment Consulting Services - EIA, SIA, EC Comp

, AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Discornes IP, Risk Analysis Designing of ETP, APCS, RWH Systems, Environmental Audit & other success. Ground Witter & Soil wassign to

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/003/280316 Test Report No. : Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A 01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (G-1)

Sample Drawn on 26/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Ghazinur Ganga River - shorefront Sampling Location

SOP W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Environmental Condition Normal

28/03/2016 To 11/04/2016 Analysis Duration

Remark (if any) NA

RESULTS

	1/200210				
S.No.	PARAMETER	Test Methods	Results	Units	
		10, 0000 (7, 11)	0.70		
1	pH	IS 3025 (P-11)	8.72	=	
2	Temperature	IS 3025 (P-9)	27.9	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	374.0	mg/L	
4	Total Suspended Solids	IS _ 3025 (P-17)	< 5.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	0.97	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	2.48	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	7.0	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	3.42	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L	
11	COD (as O2)	IS 3025 (P-58)	4.8	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L	
13	Feacal Coliform	IS 1622	2 9×10 ³	Per 100mL	



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TEST REPORT

Water Sample Analysis

Test Report No.: EK0/EV-WA/004/280316 Issue Date : 12/04/2016

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (G-2)

Sample Drawn on 26/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Ghazipur Ganga River - center Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

	NEGOL10				
S.No.	PARAMETER	Test Methods	Results	Units	
1	pH	IS 3025 (P-11)	8.69	-	
2	Temperature	IS 3025 (P-9)	26.9	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	360.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	<5.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	0.94	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	2.56	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	7.3	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	2.98	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L	
11	COD (as O2)	IS 3025 (P-58)	<4.0	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L	
13	Feacal Coliform	IS 1622	1.6×10³	Per 100mL	



Page No. 1/2



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TEST REPORT

Water Sample Analysis

Issued To

: SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (M-3)

Sample Drawn on 28/03/2016

Test Report No.: EK0/EV-WA/001/290316

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 29/03/2016

Raw Sewage (Mirzapur STP) Sampling Location

Sampling Plan & Procedure SOP-W/66 Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 29/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
				1
1	pH	IS 3025 (P-11)	9.02	-
2	Temperature	IS 3025 (P-9)	26.4	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	646 0	mg/L
4	Total Suspended Solids	IS = 3025 (P-17)	88.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	3.85	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.24	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	<1.0	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	23.2	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	59.8	mg.'L
10	Free Ammonia (as N)	IS 3025 (P-34)	2.96	mg/L
11	COD (as O2)	IS 3025 (P-58)	130.2	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	58.0	mg/L
13	Feacal Coliform	IS 1622	27×10³	Per 100mL



Analytical Services - Analysis of Environment, Food, AYUSH, Cosmeries, Suitaling Material, Petrolsum & Material Samples in the field of nical, Mechanical & Biological Disciplines Consulting Services - EIA, SIA, F.C. Compliances, DMP, Risk Analysis, Designing of ETP, APCS, RV/H Systems, Environmental Audi idies, Ground Water & Soil Investigation



TEST REPORT

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EK0/EV-WA/002/290316 Test Report No. Issue Date : 12/04/2016

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> SOCIAL SERVICE ORGANIZATION A -U1. DURGA APARTMENT NEW SHIVEURI COLONY

HINOO RANCHI

Sample Description Water Sample (M-4)

Sample Drawn on 28/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 29/03/2016

Sampling Location Treated Sewage (Mirzagur STP)

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Coadition Normal

Analysis Duration 29/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	p24	IS: 3025 (P-11)	986	-
2	Temperature	IS: 3025 (P-9)	27 2	deg.C
5	Total Dissolved Solids	IS: 3025 (P-16)	648.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	24 0	mg/L
ō	Phosphale (as P)	IS: 3025 (P-31)	3.82	mg/L
6	Nitrate (as AIO3)	IS: 3025 (P-34)	2.08	mgAL
7	Dissalved Oxygen	IS: 3025 (P-38)	1.8	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	19.3	mg/L
ć	Total Kjehidal Nitrogen	IS: 3025 (P-34)	35.2	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-34)	1.58	mg/L
11	CCD (as C2)	IS : 3025 (P-58)	53.6	mg/L
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	22.0	mg/L
13	Feacal Coliform	IS . 1622	24×10 ³	Per 100mL



Analytical Services - Analysis of Environment Consulting Services - EIA, SIA, EC Comp

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Water Sample Analysis

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EK0/EV-WA/003/290316

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A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description . Water Sample (M-5)

Sample Drawn on : 28/03/2016

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on 29/03/2016

Sampling Location : Upstream of Vindhyachal STP

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 29/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	8.12	-
2.	Temperature	IS 3025 (P-9)	27.2	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	440.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	56.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	2 03	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.46	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	2.4	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	4.8	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	14.9	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	1.35	mg/L
11	COD (as O2)	IS 3025 (P-58)	26.5	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	10 0	mg/L
13	Feacal Coliform	IS 1622	16×10³	Per 100mL



Page No. 10

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TEST REPORT

Water Sample Analysis

Test Report No.: EK0/EV-WA/004/290316

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SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (M-6)

Sample Drawn on ± 28/03/2016

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on . 29/03/2016

Sampling Location : Downstream of Vindhyachal STP

Sampling Plan & Procedure : SOP-W/66 Sample Quantity : 2.0 Litre Environmental Condition : Normal

Analysis Duration 29/03/2016 To 11/04/2016

Remark (if any) : NA

RESULTS.

RESULTS						
S.No.	PARAMETER	Test Methods	Results	Units		
1	рН	IS 3025 (P-11)	8.84	_		
2	Temperature	IS 3025 (P-9)	26.4	deg.C		
3	Total Dissolved Solids	IS 3025 (P-16)	422.0	mg/L		
4	Total Suspended Solids	IS 3025 (P-17)	156.0	mg/L		
5	Phosphate (as P)	IS 3025 (P-31)	1.41	mg/L		
6	Nitrate (as NO3)	IS 3025 (P-34)	2.38	mg/L		
7	Dissolved Oxygen	IS 3025 (P-38)	<1.0	mg/L		
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	13.50	mg/L		
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	27.5	mg/L		
10	Free Ammonia (as N)	IS 3025 (P-34)	2.42	mg/L		
11	COD (as O2)	IS 3025 (P-58)	92.4	mg/L		
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	37.0	mg/L		
13	Feacal Coliform	IS 1622	3.3×10³	Per 100mL		



Page No. 1/2

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TEST REPORT

Water Sample Analysis

issued To : SAI INTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (M-7)

Sample Drawn on 28/03/2016

Test Report No. : EK0/EV-WA/005/290316

Sample Drawn by EPEPI (Mr. Krishan Kant Mishra)

Sample Received on 29/03/2016

Raw Sewage (Vindhyachal STP) Sampling Location

Sampling Plan & Procedure SOP-W/66 Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 29/03/2016 To 11/04/2016

Remark (if any) NA

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TOOL 10					
S.No.	PARAMETER	Test Methods	Results	Units	
1	pH	iS 3025 (P-11)	7.03		
2	Temperature	IS 3025 (P-9)	27.2	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	786.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	114.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	10.2	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	1.23	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	<1.0	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	42.9	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	83.9	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	7.38	mg/L	
11	COD (as O2)	IS 3025 (P-58)	529.2	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	240.0	mg/L	
13	Feacal Coliform	IS 1622	29×10³	Per 100mL	



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TEST REPORT

Water Sample Analysis

Office & Laboratory 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad 201,009, LIP INDIA

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EK0/EV-WA/006/290316 Test Report No. ssiled To

SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT **NEW SHIVEURI COLONY**

HINOO, RANCHI

Sample Description Water Sample (1.4-8)

Sample Drawn on 28/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received or 29/03/2016

Sampling Location Treated Sewage (Vindhyachal STP)

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 29/03/2016 To 11/04/2016

Rentark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	57	IS - 3025 (P-11)	8.34	-
2	Temperature	IS · 3025 (P-9)	25.9	deg.C
3	Total Dissolved Solids	IS : 3025 (P-16)	358.0	mg/L
4	Total Suspended Solids	IS · 3025 (P-17)	18.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	2.23	mg/L
\$	Mitrate (as MO3)	IS: 3025 (P-34)	2.48	mg/L
7	Dissalved Oxygon	IS: 3025 (P-38)	1.5	mg/L
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	17.5	mg/L
9	Total Kjehldal Nitrogen	IS: 3025 (P-34)	31.8	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	1.82	mg/L
11	COD (as 02)	IS: 3025 (P-58)	42.0	mgAL
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	170	mg/L
13	Feauat Coliform	IS : 1622	14×10³	Per 100mL



Analytical Services - Analysis of Environment, Face AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Discoplines. Risk Analysis Designing of ETP, APCS, RWH Systems, Environmental Audil & other studies, Ground Vidian & Soil Investigation. Consulting Services - ElA, SIA, EC Compt



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TEST REPORT

Water Sample Analysis

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SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description : Water Sample (M-9)

Sample Drawn on : 28/03/2016

Test Report No.: EK0/EV-WA/007/290316

Sample Drawn by : EPEPL(Mr. Raikumar Chauhan)

Sample Received on 29/03/2016

Sampling Location : Mirzapur Ganga River - center (Upstream of Mirzapur STP)

Sampling Plan & Procedure : SOP-W/66 Sample Quantity : 2.0 Litre Environmental Condition : Normal

Analysis Duration : 29/03/2016 To 11/04/2016

Remark (if any) NA

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S.No.	PARAMETER	Test Methods	Results	Units		
1	рН	IS 3025 (P-11)	7.29			
2	Temperature	IS 3025 (P-9)	26.2	deg.C		
3	Total Dissolved Solids	IS 3025 (P-16)	306.0	mg/L		
4	Total Suspended Solids	IS 3025 (P-17)	<5.0	mg/L		
5	Phosphate (as P)	IS 3025 (P-31)	1.25	mg/L		
6	Nitrate (as NO3)	IS 3025 (P-34)	4.26	mg/L		
7	Dissolved Oxygen	IS 3025 (P-38)	6.8	mg/L		
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L		
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	2.49	mg/L		
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L		
11	COD (as O2)	IS 3025 (P-58)	<4.0	mg/L		
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L		
13	Feacal Coliform	IS 1622	4×10³	Per 100mL		



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Analytical Services - Analysis of Environment, Food, AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines. Consulting Services - EIA, SIA, EC Compliances. DMF; Risk Analysis, Designing of ETP, APCS, RWH Systems, Environmental Audit & other studies, Ground Water & Soil Investigation.



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TEST REPORT

Water Sample Analysis

Test Report No.: EK0/EV-WA/008/290316 Issue Date : 12/04/2016

issued To : SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description : Water Sample (M-10)

Sample Drawn on : 28/03/2016

Sample Drawn by : EPEPL(Mr. Raikumar Chauhan)

Sample Received on 29/03/2016

Sampling Location ; Mirzapur Ganga River - center (Downstream of Mirzapur STP)

Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal

Analysis Duration 29/03/2016 To 11/04/2016

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	8.69	-
2	Temperature	IS 3025 (P-9)	26.3	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	336.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	12.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.35	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	5.92	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	6.5	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	3.25	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	6.4	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS 1622	4×10³	Per 100mL



Page No. 1/2

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Results

<1.0

<4.0

< 2.0

2.5×10³

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Issue Date : 12/04/2016



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TEST REPORT

Water Sample Analysis

Issued To : SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01. DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (M-11)

Sample Drawn on 28/03/2016

Test Report No.: EK0/EV-WA/009/290316

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received or 29/03/2016

Sampling Location Mirzapur Ganga River - center (Upstream of Vindhyachal STP)

Sampling Plan & Procedure SOP-W/66 Sample Quantity 2.01 itre Environmental Condition Normal

Analysis Duration 29/03/2016 To 11/04/2016

Remark (if any) : NA

S.No. PARAMETER

10 Free Ammonia (as N)

BOD (@27°C for 3 days)

11 COD (as O2)

13 Feacal Coliform

				Ĭ
1	рН	IS 3025 (P-11)	8.05	
2	Temperature	IS 3025 (P-9)	26.7	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	302.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	22.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.18	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	4.05	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	7.2	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	3.26	ma/l

IS 3025 (P-34)

IS 3025 (P-58)

IS 3025 (P-44)

IS 1622

RESULTS

Test Methods



mg/L

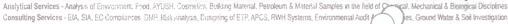
mg/L

mg/L

Per 100ml

Units







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TEST REPORT

Water Sample Analysis

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EKO/EV-W4/010/200316

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY HINOO RANCHI

Sample Description Water Sample (M-12)

Sample Drawn on

Test Report No :

28/03/2016 EPEPL(Mr. Krishan Kant Mishra)

Sample Drawn by Sample Received on 29/03/2016

Mirzapur Ganga River - center (Downstream of Vindinyachai STP) Sampling Location

Sampling Plan & Procedure SOP-W/66 Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 29/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

	RESULTS					
S.No	. PARAMETER	Test Methods	Results	Units		
1	PΗ	IS 3025 (P-11)	8.73			
2	Temperature	IS 3025 (P-9)	27.0	deg_C		
3	Total Dissolved Solids	IS 3025 (P-16)	332.0	mg/L		
4	Total Suspended Solids	IS 3025 (P-17)	20.0	mg/L		
5	Phosphate (as P)	IS 3025 (P-31)	1.29	mg/L		
6	Nitrate (as NO3)	IS . 3025 (P-34)	4.83	mg/L		
7	Dissolved Oxygen	IS . 3025 (P-38)	6.9	mg/L		
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L		
9	Total Kjehldal Nitrogen	IS: 3025 (P-34)	3.98	mg/L		
10	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L		
11	COD (as O2)	IS: 3025 (P-58)	<4.0	mg/L		
12	BOD (爱27°C for 3 days)	IS: 3025 (P-44)	<2.0	mg#L		
13	Feacal Coliform	19 1622	2×10³	Per 100mL		



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Test Report No.:

TEST REPORT

Water Sample Analysis

Issued To : SAI INTERNATIONAL SANSTHAN

EK0/EV-WA/015/280316

SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (S-1)

Sample Drawn on 27/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Saidour Gomti River mouth - center Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) : NA

RESULTS

S.No	. PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	6.68	_
2	Temperature	IS 3025 (P-9)	26.6	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	228.0	mg/L
4	Total Suspended Solids	IS = 3025 (P-17)	34.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	2.11	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.56	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	6.5	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	1.3	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	4.26	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	7.6	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS 1622	6×10³	Per 100mL





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TEST REPORT

Water Sample Analysis

Test Report No.: EK0/EV-WA/016/280316 Issue Date : 12/04/2016

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> SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (S-2)

Sample Drawn on 27/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Sampling Location Saidpur Ganga River - shorefront (Downstream of Gomti River mouth)

Sampling Plan & Procedure SOP-W/66 Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if anv) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	6.57	-
2	Temperature	IS 3025 (P-9)	27.2	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	302.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	24.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.76	mg/L
6	Nitrate (as NO3)	IS = 3025 (P-34)	3.92	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	6.4	mg/L
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	1.4	mg/L
9	Total Kjehldal Nitrogen	IS: 3025 (P-34)	3.98	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	6.0	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS 1622	2.7×10³	Per 100mL





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TEST REPORT

Water Sample Analysis

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SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO, RANCHI Water Sample (S-3)

Sample Description

EK0/EV-WA/017/280316

Sample Drawn on 27/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Sampling Location Saidpur Ganga River - center (Downstream of Gomti River mouth)

Sampling Plan & Procedure SOP-W/66 Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) : NA

ES		

TEGGETO				
S.No.	PARAMETER	Test Methods	Results	Units
1	Hq	IS 3025 (P-11)	6,58	
2	Temperature	IS 3025 (P-9)	26.7	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	268.0	mg/L
4	Total Suspended Solids	IS _ 3025 (P-17)	12.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.62	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.59	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	5.9	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	1.6	mg/L.
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	4.05	mg/L
10	Free Ammonia (as N)	IS · 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	6.8	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS 1622	3.1×10³	Per 100ml



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TEST REPORT

Water Sample Analysis

Test Report No. EK0/EV-WA/018/230316

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> SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (S-4)

Sample Drawn on 27/03/2016

Sample Drawn by EPEPL(Mr. Rajkumar Chauhan)

Sample Received on 28/03/2016

Sampling Location Saidpur Ganga River - Shorefront

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litra Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) MA

RESULTS

c/l.2	. PARAMETER	Test Methods	Results	Units
1.	аН	IS - 3025 (P-11)	6.44	
2	Temperature	IS 3025 (P-9)	27.6	deg.C
3	Total Dissolved Solids	IS 3025 (P-15)	308.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	18.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.52	mg/L
5	Nitrate (as NO3)	IS: 3025 (P-34)	2.68	mg/L
7	Dissolved Oxygen	IS: 3025 (P-38)	6.8	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
9	Total Kiehldal Nitrogen	IS: 3025 (P-34)	2.96	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
11	COD (as C2)	IS: 3025 (P-58)	<4.0	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS 1622	1.8×10³	Per 100ml



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TEST REPORT

Water Sample Analysis

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SOCIAL SERVICE ORGANIZATION

A -01 DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (S-5)

Sample Drawn on 27/03/2016

Test Report No.: EK0/EV-WA/019/280316

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Sampling Location Saidpur Ganga River - center

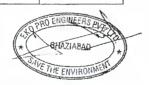
SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units	
1	pH	IS: 3025 (P-11)	6.57	-	
2	Temperature	IS 3025 (P-9)	26.0	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	330.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	8.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	1.39	mg/L	
6	Nitrate (as NO3)	IS _ 3025 (P-34)	3.05	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	6.5	mg/L	
8	Amonical Nitrogen (as NH4)	IS = 3025 (P-34)	1.4	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	3.47	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L	
11	COD (as O2)	IS 3025 (P-58)	5.0	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L	
13	Feacal Coliform	IS 1622	2.4×10³	Per 100mL	



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Water Sample Analysis

Test Report No.: EK0/EV-WA/020/280316 Issue Date : 12/04/2016

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A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (S-6)

Sample Drawn on 27/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Sampling Location Saidpur Ganga River - center (Upstream of Gomti River mouth)

Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normai

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

	NEGOETO .				
S.No.	PARAMETER	Test Methods	Results	Units	
1	pH	IS 3025 (P-11)	6.50	(±)	
2	Temperature	IS 3025 (P-9)	26.4	deg C	
3	Total Dissolved Solids	IS : 3025 (P-16)	302.0	mg/L	
4	Total Suspended Solids	IS : 3025 (P-17)	<5.0	mg/L	
5	Phosphate (as P)	IS 13025 (P-31)	1.42	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	4.26	mg/L	
7	Dissolved Oxygen	IS : 3025 (P-38)	7.0	mg/L	
8	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L	
9	Total Kjehldal Nitrogen	IS : 3025 (P-34)	2.05	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L	
11	COD (as O2)	IS 3025 (P-58)	<4.0	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L	
13	Feacal Coliform	IS 1622	1.7×10³	Per 100mL	



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TEST REPORT

Water Sample Analysis

Test Report No.: EKO/EV-WA/021/280316
Issued To : SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description : Water Sample (S-7)

Sample Drawn on : 27/03/2016

Sample Drawn by : EPEPL(Mr. Rajkumar Chauhan)

Sample Received on . 28/03/2016

Sampling Location : Saidpur Ganga River - Shorefront (Upstream of Gomti River mouth)

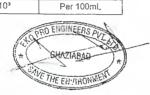
Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal

Analysis Duration : 28/03/2016 To 11/04/2016

Remark (if any) : NA

RESULTS				
S.No	PARAMETER	Test Methods	Results	Units
1	рН	IS 13025 (P-11)	6.51	
2	Temperature	IS 3025 (P-9)	26.5	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	324.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	10.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.18	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	3.98	mg.'L
7	Dissolved Oxygen	IS 3025 (P-38)	6.7	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	1.42	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	3.19	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	4.2	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS: 1622	2.1×10³	Per 100mL

PECILI TO



Page No. 1/2-

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TEST REPORT

Water Sample Analysis

Test Report No.: EKO/EV-WA/011/280316

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SOCIAL SERVICE ORGANIZATION
A-51, DURGA APARTMENT
NEW SHIVPURI COLONY

HINOO SANCHI

Sample Description : Water Sample (V-1)

Sample Drawn on : 27/03/2016

Sample Oravin by : EPEPL(Mr. Rajkumar Chauhan)

Sample Received on . 28/03/2016

Sampling Location : Upstream of discharge point of effluent (Ganga)Dinapur STP

Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2,0 Litre
Environmental Condition : Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) : NA

RESULTS.

ILEOUE10				
S.No	PARAMETER	Test Methods	Results	Units
1	ЭН	IS: 3025 (P-11)	8.42	
2	Temperature	IS : 3025 (P-9)	26.0	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	578.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	<5.0	mg/L
Ē	Phosphate (as P)	IS: 3025 (P-31)	2.53	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	4 62	mg/L
T	Dissolved Oxygen	IS: 3025 (P-38)	69	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
ē	Total Kjehldal Nitrogen	IS: 3025 (P-34)	2 43	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-54)	<1.0	mg/L
11	CCD (as 02)	IS: 3025 (P-58)	<4.0	mg/L
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	<2.0	mg/L
13	Feacal Coliforn	IS - 1622	18×10°	Per 100mL



Paga No. 173

Analytical Services - Analysis of Environment Local, AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Discolution Services - EIA, SIA, EC Community (Risk Analysis Designing of ETP, APCS, RWH Systems, Environmental Auroll & other studies, Ground Water & Soil Investigation.



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Test Report No. :

TEST REPORT

Water Sample Analysis

Issued To : SALINTERNATIONAL SANSTHAN

EK0/EV-WA/012/280316

SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT

NEW SHIVPURLOU ONY

HINOO, RANCHI

Sample Description Water Sample (V-2)

Sample Drawn on 27/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Downstream of discharge point of effluent (Ganga)Dinapur STP Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) : NA

RESULTS.

NEODETO				
S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS =3025 (P-11)	8.92	
2	Temperature	IS 3025 (P-9)	28.1	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	598.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	<5.0	mg/L
5	Phosphate (as P)	IS _3025 (P-31)	2.88	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	3.84	mg/l_
7	Dissolved Oxygen	IS 3025 (P-38)	6.8	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	2.89	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	<4.0	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS 1622	21×10³	Per 100mL



Analytical Services - Analysis of Environment, Food, AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines. Consulting Services - EIA, SIA, EC Compliances, DMP, Risk Analysis, Designing of ETP, APCS, RWH Systems, Environmental Audit & other studies, Ground Water & Soil Investigation.





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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/005/280316 Issued To

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SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-3)

Sample Drawn on 26/03/2016

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on 28/03/2016

Raw Sewage (Dinapur STP) Sampling Location

Sampling Plan & Procedure SOP-W/66 Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

	KE30E13				
S.No.	PARAMETER	Test Methods	Results	Units	
1	pН	IS 3025 (P-11)	7.73	-	
2	Temperature	IS 3025 (P-9)	27.0	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	574.0	mg/L	
4	Total Suspended Solids	IS 3025 (P-17)	48.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	3.67	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	0.96	mg/L	
7	Dissolved Oxygen	IS 3025 (P-38)	<1.0	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	18.2	mg/L	
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	44.3	mg/L	
10	Free Ammonia (as N)	IS 3025 (P-34)	3.29	mg/L	
11	COD (as O2)	IS 3025 (P-58)	201.6	mg/L	
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	84.0	mg/L	
13	Feacal Coliform	IS 1622	22×10³	Per 100mL	



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TEST REPORT

Water Sample Analysis

Test Report No. :

Issued To SAI INTERNATIONAL SANSTHAN

EK0/EV-WA/006/280316

SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT

NEW SHIVPURLOGLONY

HINOO, RANCHI

Consulting Services - EIA StA. EC Compliances, IMIP, Risk Analysis. Designing of ETP, APCS, RWH Systems, Environmental/

Sample Description Water Sample (V-4)

Sample Drawn on 26/03/2016

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on 28/03/2016

Sampling Location Treated Sewage (Dinapur STP)

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1				
1	рН	IS 3025 (P-11)	8.05	-
2	Temperature	IS 3025 (P-9)	26.9	deg.C
3	Total Dissolved Solids	IS · 3025 (P-16)	558.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	<5.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	3.10	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1 39	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	4.2	mg.'L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	4.76	mg/L
9	Total Kjehldal Nitrogen	IS 3025 (P-34)	15.2	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	1.26	mg/L
11	COD (as O2)	IS 3025 (P-58)	29.5	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	11.0	mg/L
13	Feacal Coliform	IS 1622	17×10³	Per 100mL



Analytical Services - Analysis of Environment, Food, ANASH, Cognetics, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines er studies, Ground Water & Soil Investigation



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TEST REPORT

Water Sample Analysis

EK0/EV-WA/013/280316 Test Report No. : Issue Date : 12/04/2016

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> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURLOOLONY

HINDO, RANCHI

Sample Description Water Sample (V-5)

Sample Brawn on 27/03/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 28/03/2016

Sampling Location Upstream of discharge point of efficient (Ganga) Bhagwanner STP

SOP-W/66 Sampline Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) HA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH Hq	IS _3025 (P-11)	9.26	-
2	Temperature	IS 3025 (P-9)	28.4	deg.C
3	Total Dissolved Solids	IS 3025 (P-15)	342.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	22.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	0.83	mg/L
5	Nitrate (as NO3)	IS: 3025 (P-34)	4.28	mg/L
7	Disselved Oxygen	IS . 3025 (P-38)	71	mg/L
3	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
9	Total Kjehldal Nitrogen	IS: 3025 (P-34)	3.26	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS · 3025 (P-58)	< 4.0	mg/L
12	BCD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS 1622	5×10³	Per 100mL



Analytical Services - Analysis of Environment, Fixed, AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines, VP. Risk Analysis. Designing of ETP APCS RWH Systems. Environmental Audit & other studies. Ground Water & Soil Investigation. Consulting Services - EIA, SIA, EC Compile

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/014/280316

: SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description : Water Sample (V-6)

Sample Drawn on : 27/03/2016

Sample Drawn by : EPEPL(Mr. Raikumar Chauhan)

Sample Received on . 28/03/2016

Sampling Location : Downstream of discharge point of effluent (Ganga) Bhagwanpur STP

Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal

Analysis Duration 28/03/2016 To 11/04/2016

Remark (if any) : NA

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NEGOLI 3				
S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 7 3025 (P-11)	9.18	-
2	Temperature	IS 3025 (P-9)	27.2	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	362.0	mg/L
4	Total Suspended Solids	IS , 3025 (P-17)	14.0	mg/L
5	Phosphate (as P)	IS : 3025 (P-31)	0.86	mg/L
6	Nitrate (as NO3)	IS ; 3025 (P-34)	4.39	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	6.8	mg/L
8	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
9	Total Kjehldal Nitrogen	IS : 3025 (P-34)	4.23	mg/L
10	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS: 3025 (P-58)	4.8	mg/L
12	BOD (@27°C for 3 days)	IS: 3025 (P-44)	<2.0	mg/L
13	Feacal Coliform	IS : 1622	3×10³	Per 100mL



Page No. 1/2

Analytical Services - Analysis of Environment, Food, AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines.

Consulting Services - EIA, SIA, EC Compliances, DMP, Risk Analysis, Designing of ETP, APCS, RWH Systems, Environmental Audit & other studies, Ground Water & Soil Investigation.



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TEST REPORT

Water Sample Analysis

Test Report No.: EK0/EV-WA/007/280316

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SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description · Water Sample (V-7)

Sample Drawn on : 26/03/2016

Sample Drawn by EPEPL(Mr. Krishan Kant Mishra)

Sample Received on . 28/03/2016

Sampling Location ; Raw Sewage (Bhagwanpur STP)

Sampling Plan & Procedure : SOP-W/66
Sample Quantity : 2.0 Litre
Environmental Condition : Normal

Analysis Duration : 28/03/2016 To 11/04/2016

Remark (if any) : NA

RESULTS

	TEOGETO				
S.No.	PARAMETER	Test Methods	Results	Units	
1	pH	IS 3025 (P-11)	7.62		
2	Temperature	IS - 3025 (P-9)	26.2	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	442.0	mg/L	
4	Total Suspended Solids	IS : 3025 (P-17)	42.0	mg/L	
5	Phosphate (as P)	IS ; 3025 (P-31)	3.02	mg/L	
6	Nitrate (as NO3)	IS : 3025 (P-34)	1.95	mg/L	
7	Dissolved Oxygen	IS : 3025 (P-38)	<1.0	mg/L	
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	14.8	mg/L	
9	Total Kjehldal Nitrogen	IS : 3025 (P-34)	30.6	mg/L	
10	Free Ammonia (as N)	IS : 3025 (P-34)	2.49	mg/L	
11	COD (as O2)	IS : 3025 (P-58)	84.6	mg/L	
12	BOD (@27°C for 3 days)	IS : 3025 (P-44)	37.0	mg/L	
13	Feacal Coliform	IS :: 1622	34×10³	Per 100mL	



Page No. 1/2

Analytical Services - Analysis of Environment, Food, AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field of Chemical. Mechanical & Biological Disciplines. Consulting Services - Etk. SIA. EC Compliances, DMP, Risk Analysis, Designing of ETP, APCS, RWH Systems, Environmental Audit & other studies, Ground Water & Soil Investigation.

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Water Sample Analysis

Test Report No.: EK0/EV-WA/008/280316

: SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description

Water Sample (V-8)

Sample Drawn on

26/03/2016

Sample Drawn by

EPEPL(Mr. Rajkumar Chauhan)

Sample Received on

28/03/2016

Sampling Location

Treated Sewage (Bhagwanpur STP)

Sampling Plan & Procedure Sample Quantity

SOP-W/66

Environmental Condition

: 2.0 Litre : Normal

Analysis Duration

28/03/2016 To 11/04/2016

Remark (if any)

		RESULTS
S.No.	PARAMETER	Test Methods

S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.93	-
2	Temperature	IS 3025 (P-9)	26.2	deg.C
3	Total Dissolved Solids	IS : 3025 (P-16)	306.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	<5.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.82	mg/L
6	Nitrate (as NO3)	IS : 3025 (P-34)	4.23	mg/L
7	Dissolved Oxygen	IS 3025 (P-38)	5.7	mg/L
8	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	3.3	mg/L
9	Total Kjehldal Nitrogen	IS = 3025 (P-34)	12.5	mg/L
10	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
11	COD (as O2)	IS 3025 (P-58)	16.8	mg/L
12	BOD (@27°C for 3 days)	IS 3025 (P-44)	6.7	mg/L
13	Feacal Coliform	IS 1622	29×10³	Per 100mL



Analytical Services - Analysis of Environment, Food, AYUSH, Cosmetics, Building Material, Petroleum & Material Samples in the field Consulting Services - EIA, SIA, EC Compliances, DMP, Risk Analysis, Designing of ETP, APCS, RWH Systems, Environmental Auditi

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6.3 Third Sampling

(2016/7/18-20, Monsoon)

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02/08/2016

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

EK0/EV-WA/002/200716

SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (C-1)

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

Sample Received on 20/07/2016

Chunar Ganga River - shorefront Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Normal Environmental Condition

20/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

	KEGGETG			
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS : 3025 (P-11)	7.72	-
2	Temperature	IS 3025 (P-9)	28.5	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	130.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	1178.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	0.96	mg/L
7	Nitrite (as NO2)	IS . 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	5.9	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	1.42	mg/L
11	Free Ammonia (as N)	IS : 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 13025 (P-34)	2.38	mg/L
13	COD (as O2)	IS 3025 (P-58)	12.0	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	2.6	mg/L
15	Feacal Coliform	IS : 1622	14×10³	Per 100mL

FOR EKO PRO ENGINEERS PVT LTD



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02/08/2016 **End of Report**

Notes :

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- 2. This test report will not be generated again, either wholly or in part, without written permission of the Laboratory.
- 3. This test report will not be use for any publicity/legal purpose.
- 4. This test samples will be disposed off after two weeks from the date of issue of test report, upless until specified by the customer Sample received for biological tests will be destroyed after 7 days from the date of issue of test report.
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TEST REPORT

Water Sample Analysis

Test Report No.: Issued To SALINTERNATIONAL SANSTHAN

FK0/FV-WA/003/200716

SOCIAL SERVICE ORGANIZATION

A -01 DURGA APARTMENT

NEW SHIVPURI COLONY

20/07/2016 To 01/08/2016

HINOO RANCHI

Sample Description Water Sample (C-2)

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

Sample Received on 20/07/2016

Chunar Ganga River - center Sampling Location

SQP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre

Normal Environmental Condition

Analysis Duration NA Remark (if anv)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	7.74	-
2	Temperature	IS 3025 (P-9)	28.4	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	136.0	mg/L
4	Total Suspended Solids	IS † 3025 (P-17)	1154.0	mg/L
5	Phosphate (as P)	IS : 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.28	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS: 3025 (P-38)	6.0	mg/L
9	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	1.24	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	2.52	mg/L
13	COD (as O2)	IS 3025 (P-58)	6.4	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	12×10³	Per 100mL

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Office & Laboratory 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA. e mail email@ekopro in ele@ekopro n. ekoproengineers@gmail.com, website : www.ekopro.io Contact No. 9711159210, 9871800216, 9711159337, 9818405427, EPABX No. +91-120-2600950, 2867931

Test Report No.

EKO/EV-WA/003/200716

Issue Date

02/08/2016 "End of Report"

Motoc

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The customer asked for the above tests only

2. This test report will not be generated again, either wholly or in part, without written permission of the Laboratory.

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TEST REPORT

Water Sample Analysis Test Report No.: EK0/EV-WA/022/190716 Issue Date 02/08/2016 Issued To SAI INTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY HINOO, RANCHI

Sample Description Water Sample (G-1)

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

Sample Received on 19/07/2016

Sampling Location Ghazipur Ganga River - shorefront

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 19/07/2016 To 01/08/2016

Remark (if any) NA

RESULTS

	11200210			
S.No.	PARAMETER	Test Methods	Results	Units
1	p∺	IS 3025 (P-11)	7.56	-
2	Temperature	IS 3025 (P-9)	29.0	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	180.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	1208.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	1.82	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS: 3025 (P-38)	6.8	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	3.49	mg/L
11	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS: 3025 (P-34)	5.31	mg/L
13	COD (as O2)	IS : 3025 (P-58)	5.6	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS : 1622	48×10³	Per 100mL

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disoplines

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Test Report No. : EK0/EV-WA/022/190716

Issue Date

02/08/2016 **End of Report**

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02/08/2016

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Issue Date

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/023/190716
Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (G-2)

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

Sample Received on 19/07/2016

Sampling Location Ghazipur Ganga River - center

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 19/07/2016 To 01/08/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS : 3025 (P-11)	7.21	-
2	Temperature	IS: 3025 (P-9)	29.3	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	176.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	492.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	1.05	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.9	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.92	mg/L
11	Free Ammonia (as N)	IS : 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS = 3025 (P-34)	2.97	mg/L
13	COD (as O2)	IS . 3025 (P-58)	4.2	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS : 1622	40×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD

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Test Report No.

EK0/EV/WA/623/190716

Issue Date

02/08/2016 "Foxtof Report"

Notes =

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TEST REPORT

Water Sample Analysis

FK0/EV-WA/002/210716 Test Report No. :

Issued To SAI INTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT

NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (M-1) Sample Drawn on 20/07/2016

EPEPL(Mr. Rajkumar Chauhan) Sample Drawn by

21/07/2016 Sample Received on

Upstream of Mirzapur STP Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre

Environmental Condition 21/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

RESULIS				
S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS : 3025 (P-11)	6.94	-
2	Temperature	IS 3025 (P-9)	30.2	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	308.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	8.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.67	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.26	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	2.4	mg/L
9	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS . 3025 (P-34)	2.46	mg/L
11	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.72	mg/L
13	COD (as O2)	IS : 3025 (P-58)	10.4	mg/L
14	BOD (@27°C for 3 days)	IS : 3025 (P-44)	4.5	mg/L
15	Feacal Coliform	IS 1622	13×10³	Per 100mL

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EK0/EV-WA/002/210716 Test Report No. :

Issue Date

02/08/2016 **End of Report**

Notes:

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/003/210716 Test Report No. : SALINTERNATIONAL SANSTHAN

Issue Date

02/08/2016

Issued To

SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description

Water Sample (M-2)

Sample Drawn or

20/07/2016

Sample Drawn by

EPEPL(Mr. Raikumar Chauhan)

Sample Received on

21/07/2016

Sampling Location

Downstream of Mirzapur STP

Sampling Plan & Procedure

SOP-W/66

Sample Quantity

2.0 Litre

Environmental Condition

Normal

Analysis Duration

21/07/2016 To 01/08/2016

Remark (if anv)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS ;3025 (P-11)	7.17	-
2	Temperature	IS: 3025 (P-9)	28.8	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	590.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	14.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	2.85	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.05	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	<1.0	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	15.1	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	33.9	mg/L
11	Free Ammonia (as N)	IS : 3025 (P-34)	2.96	mg/L
12	Total Nitrogen (as N)	IS: 3025 (P-34)	35.95	mg/L
13	COD (as O2)	IS: 3025 (P-58)	75.6	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	30.0	mg/L
15	Feacal Coliform	IS : 1622	17×10³	Per 100mL





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Test Report No.

EK0/EV-WA/003/210715

Issue Date

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TEST REPORT

Water Sample Analysis EK0/EV-WA/024/190716 02/08/2016 Test Report No. 1 Issue Date Issued To SALINTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (M-3)

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

Sample Received on 19/07/2016

Raw Sewage (Mirzapur STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Normal Environmental Condition

19/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

KESGETS				
S.No. PARAMETER	1	Test Methods	Results	Units
1 pH		IS 3025 (P-11)	6.77	-
2 Temperature	-	IS: 3025 (P-9)	29.7	deg.C
3 Total Dissolved	Solids	IS 3025 (P-16)	618.0	mg/L
4 Total Suspende	ed Solids	IS 3025 (P-17)	22.0	mg/L
5 Phosphate (as	P)	IS 3025 (P-31)	3.58	mg/L
6 Nitrate (as NO3)	IS 3025 (P-34)	2,68	mg/L
7 Nitrite (as NO2)		IS 3025 (P-34)	<0.1	mg/L
8 Dissolved Oxyg	en	IS 3025 (P-38)	<1.0	mg/L
9 Amonical Nitrog	jen (as NH4)	IS 3025 (P-34)	19.0	mg/L
10 Total Kjehldal N	litrogen	IS 3025 (P-34)	39.6	mg/L
11 Free Ammonia	(as N)	IS =3025 (P-34)	3.28	mg/L
12 Total Nitrogen (as N)	IS 3025 (P-34)	42.28	mg/L
13 COD (as O2)		IS: 3025 (P-58)	310.8	mg/L
14 BOD (@27°C fo	or 3 days)	IS 3025 (P-44)	140.0	mg/L
15 Feacal Coliform		IS 1622	21×10³	Per 100mL

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FOR EKO PRO ENGINEERS PVT LTD



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Test Report No. : FK0/FV-WA/024/190716

Issue Date

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Water Sample (M-4) Sample Description

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

EK0/EV-WA/025/190716

Sample Received on 19/07/2016

Treated Sewage (Mirzapur STP) Sampling Location

Sampling Plan & Procedure SOP-W/66 2.0 Litre Sample Quantity Environmental Condition Normal

19/07/2016 To 01/08/2016 Analysis Duration

Remark (if any)

RESULTS

	KEGGETG			
S.No.	PARAMETER	Test Methods	Results	Units
1	pΗ	IS : 3025 (P-11)	7.14	-
2	Temperature	IS: 3025 (P-9)	28.1	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	648.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	18.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	2.65	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.92	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	<1.0	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	13.7	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	28.5	mg/L
11	Free Ammonia (as N)	IS. 3025 (P-34)	3.06	mg/L
12	Total Nitrogen (as N)	(S 3025 (P-34)	31.42	mg/L
13	COD (as O2)	IS 3025 (P-58)	88.2	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	36.0	mg/L
15	Feacal Coliform	IS 1622	18×10³	Per 100mL

For EKO PRO ENGINEERS PVT LTD

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Test Report No.

ERNEY-WA/025/190716

Insura Date

02/08/2015 "End of Report"

Notes

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TEST REPORT

Water Sample Analysis EK0/EV-WA/004/200716 02/08/2016 Test Report No. : Issue Date Issued To SALINTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY HINOO RANCHI

Sample Description	Water Sample (M-5

19/07/2016 Sample Drawn on Sample Drawn by EPEPL(Mr. K.K. Mishra)

20/07/2016 Sample Received on

Upstream of Vindhyachal STP Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal

Environmental Condition 20/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if anv)

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	RESULIS				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS: 3025 (P-11)	7.26	-	
2	Temperature	IS _3025 (P-9)	28.2	deg.C	
3	Total Dissolved Solids	IS: 3025 (P-16)	296.0	mg/L	
4	Total Suspended Solids	IS: 3025 (P-17)	<5.0	mg/L	
5	Phosphate (as P)	IS: 3025 (P-31)	1.13	mg/L	
6	Nitrate (as NO3)	IS : 3025 (P-34)	1.02	mg/L	
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L	
8	Dissolved Oxygen	IS : 3025 (P-38)	2.7	mg/L	
9	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L	
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	2.49	mg/L	
11	Free Ammonia (as N)	IS : 3025 (P-34)	<1.0	mg/L	
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.51	mg/L	
13	COD (as O2)	IS: 3025 (P-58)	12.6	mg/L	
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	5.0	mg/L	
15	Feacal Coliform	IS 1622	9×10³	Per 100mL	

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines

For EKO PRO ENGINEERS PVT., LTD

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EK0/EV.-WA/004/200716 Test Report No. :

Issue Date

02/08/2016 **End of Report**

- 1. The results given above are ralated to the tested sample, as received. & mentioned parameters. The customer asked for the above tests only.
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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01 DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (M-6)

19/07/2016 Sample Drawn on

Sample Drawn by EPEPL(Mr. K.K. Mishra)

EK0/EV-WA/005/200716

Sample Received on 20/07/2016

Downstream of Vindhyachal STP Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre

Normal Environmental Condition

20/07/2016 To 01/08/2016 Analysis Duration

Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	рΗ	IS 3025 (P-11)	7.40	
		IS 3025 (P-9)		-
3	Temperature Total Dissolved Solids	IS 3025 (P-16)	28.5 350.0	deg.C mg/L
4	Total Suspended Solids	IS 3025 (P-17)	6.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	0.81	mg/L
6	Nitrate (as NO3)	IS : 3025 (P-34)	1.32	mg/L
7	Nitrite (as NO2)	IS : 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS : 3025 (P-38)	2.1	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	2.62	mg/L
11	Free Ammonia (as N)	IS : 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS: 3025 (P-34)	3.94	mg/L
13	COD (as O2)	IS 3025 (P-58)	21.0	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	9.2	mg/L
15	Feacal Coliform	IS 1622	24×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD



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Test Report No.

EKO/EV-UVA/DOS/200715

Jeens Date

02/08/2016 "End of Report"

Notes

1. The results given applye are railated to the tested sample, as received. & mentioned parameters.

The customer asked for the above tests only

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02/08/2016

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TEST REPORT

Water Sample Analysis

Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01. DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (M-7)

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

EK0/EV-WA/006/200716

Sample Received on 20/07/2016

Raw Sewage (Vindhyachal STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal Environmental Condition

20/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1 p	Н	IS 3025 (P-11)	6.65	-
2 T	l'emperature	IS 3025 (P-9)	29.2	deg.C
3 T	Total Dissolved Solids	IS 3025 (P-16)	562.0	mg/L
4 T	Fotal Suspended Solids	IS 3025 (P-17)	20.0	mg/L
5 F	Phosphate (as P)	IS _ 3025 (P-31)	1.97	mg/L
6 N	Vitrate (as NO3)	IS . 3025 (P-34)	1.16	mg/L
7 N	Vitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8 [Dissolved Oxygen	IS 3025 (P-38)	<1.0	mg/L
9 /	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	28.5	mg/L
10 T	Fotal Kjehldal Nitrogen	IS : 3025 (P-34)	72.6	mg/L
11 F	Free Ammonia (as N)	IS - 3025 (P-34)	3.92	mg/L
12 T	Fotal Nitrogen (as N)	IS : 3025 (P-34)	73.76	mg/L
13 0	COD (as O2)	IS: 3025 (P-58)	205.8	mg/L
14 E	3OD (@27°C for 3 days)	IS . 3025 (P-44)	90.0	mg/L
15 F	eacal Coliform	IS 1622	22×10³	Per 100mL

For EKO PRO ENGINEERS PVT LTD



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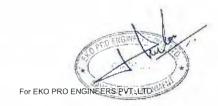
EK0/EV-WA/006/200716 Test Report No. :

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02/08/2016 **End of Report**

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/007/200716
Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (M-8)

Sample Drawn on 19/07/2016

Sample Drawn by EPEPI (Mr. K.K. Mishra)

Sample Received on 20/07/2016

Sampling Location Treated Sewage (Vindhyachal STP)

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 20/07/2016 To 01/08/2016

Remark (if any) NA

RESULTS

S.No. P	ARAMETER	Test Methods	Results	Units
1 pH		IS 3025 (P-11)	8.02	-
2 Tem	nperature	IS : 3025 (P-9)	29.6	deg.C
3 Tota	al Dissolved Solids	IS 3025 (P-16)	388.0	mg/L
4 Tota	al Suspended Solids	IS 3025 (P-17)	14.0	mg/L
5 Pho	osphate (as P)	IS 3025 (P-31)	0.73	mg/L
6 Nitra	ate (as NO3)	IS 3025 (P-34)	1.05	mg/L
7 Nitri	ite (as NO2)	IS : 3025 (P-34)	<0.1	mg/L
8 Diss	solved Oxygen	IS: 3025 (P-38)	<1.0	mg/L
9 Amo	onical Nitrogen (as NH4)	IS : 3025 (P-34)	10.9	mg/L
10 Tota	al Kjehldal Nitrogen	IS: 3025 (P-34)	25.7	mg/L
11 Free	e Ammonia (as N)	IS = 3025 (P-34)	1.76	mg/L
12 Tota	al Nitrogen (as N)	IS = 3025 (P-34)	26.75	mg/L
13 COI	D (as O2)	IS 3025 (P-58)	71.4	mg/L
14 BOI	D (@27°C for 3 days)	IS 3025 (P-44)	24.0	mg/L
15 Fea	acal Coliform	IS 1622	10×10³	Per 100mL

For EKO PRO ENGINEERS PVT , LTO

Analytical Services - Analysis of Environment, Food, Building Material, Peroleum & Material Samples in the field of Committee, Mechanical & Biological Disoplines.

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Test Report No.

EK0/EV-WA/007/200716

Issue Date

02/05/2016 "End of Report"

Notes

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Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Description



Sample Description

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/008/200716 Test Report No. : 02/08/2016 Issue Date

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO RANCHI Water Sample (M-9)

19/07/2016 Sample Drawn on

Sample Drawn by EPEPL(Mr. K.K. Mishra)

20/07/2016 Sample Received on

Mirzapur Ganga River - center (Upstream of Mirzapur STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal Environmental Condition

20/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.50	-
2	Temperature	IS 3025 (P-9)	29.4	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	148.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	246.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.04	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.0	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	2.46	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	4.50	mg/L
13	COD (as O2)	IS : 3025 (P-58)	8.8	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	28×10³	Per 100mL

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disoplines.

For EKO PRO ENGINEERS PVT LTD



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EKN/EV-WA/008/200716 Test Report No. :

Issue Date

02/08/2016 **End of Report*

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (M-10)

FK0/EV-WA/009/200716

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

Sample Received on 20/07/2016

Mirzapur Ganga River - center (Downstream of Mirzapur STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.01 itre Environmental Condition Normal

20/07/2016 To 01/08/2016 Analysis Duration

Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS ; 3025 (P-11)	7.83	-
2	Temperature	IS 3025 (P-9)	28.7	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	130.0	mg/L
4	Total Suspended Solids	IS : 3025 (P-17)	260.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	1.96	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.2	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	2.05	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	4.01	mg/L
13	COD (as O2)	IS 3025 (P-58)	8.0	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS : 1622	32×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD



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Test Report No.

EK9/EV-W4/009/200716

Jesus Date

02/05/2016 "Fort of Report"

Notes

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The customer asked for the above tests only

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TEST REPORT

Water Sample Analysis

FK0/EV-WA/010/200716 Test Report No. :

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT

NEW SHIVPURLOOLONY

HINOO RANCHI

Sample Description Water Sample (M-11)

19/07/2016 Sample Drawn on

EPEPL(Mr. K.K. Mishra) Sample Drawn by

20/07/2016 Sample Received on

Mirzapur Ganga River - center (Upstream of Vindhyachal STP) Sampling Location

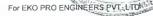
SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal

Environmental Condition 20/07/2016 To 01/08/2016 Analysis Duration

NΑ Remark (if any)

RESULTS

	REGULIG				
S.No.	PARAMETER	Test Methods	Results	Units	
1	pH	IS : 3025 (P-11)	7.62	-	
2	Temperature	IS 3025 (P-9)	29.2	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	128.0	mg/L	
4	Total Suspended Solids	IS : 3025 (P-17)	<5.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	<0.1	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	1.82	mg/L	
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L	
8	Dissolved Oxygen	IS 3025 (P-38)	5.8	mg/L	
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L	
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	3.04	mg/L	
11	Free Ammonia (as N)	1S 3025 (P-34)	<1.0	mg/L	
12	Total Nitrogen (as N)	IS 3025 (P-34)	4.86	mg/L	
13	COD (as O2)	IS 3025 (P-58)	11.2	mg/L	
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	2.0	mg/L	
15	Feacal Coliform	IS 1622	7×10³	Per 100mL	



Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines



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EK0/EV-WA/010/200716 Test Report No. :

Issue Date

02/08/2016 **End of Report**

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Environmental Consultants and Analytical Laboratory

(An ISO 9001:2008 Certified Company)

Issue Date

Office & Laboratory 132/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA. e-mail email@ekono.in eja@ekono.in ekonoenolneers@gmail.com wobsite www.ekono.in Contact No. 9711159210, 9571500216, 9711159337, 9818405427, FPABX No. +91-120-2800950, 2867931

TEST REPORT

Water Sample Analysis

Issued To SALINTERNATIONAL SANSTHAN

EK0/EV-WA/011/200716

SOCIAL SERVICE ORGANIZATION

A -01 DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description

Water Sample (M-12)

Sample Drawn on

Test Report No.:

19/07/2016

Sample Drawn by

EPEPL(Mr. K.K. Mishra)

Sample Received on

20/07/2016

Sampling Location

Sample Quantity

Mirzapur Ganga River - center (Downstream of Vindhyachal STP)

Sampling Plan & Procedure

SOP-W/66

Environmental Condition

2.0 Litre Mormal

Analysis Duration

20/07/2016 To 01/08/2016

Remark (if any)

NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	Hq	IS : 3025 (P-11)	7.84	
				-
2	Temperature	IS : 3025 (P-9)	29.5	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	126.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	98.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.85	mg/L_
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS: 3025 (P-38)	5.2	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS : 3025 (P-34)	3.24	mg/L
11	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	iS : 3025 (P-34)	5.09	mg/L
13	COD (as O2)	IS: 3025 (P-58)	21.6	mg/L
14	BOD (@27°C for 3 days)	IS : 3025 (P-44)	6.3	mg/L
15	Feacal Coliform	IS 1622	3×10³	Per 100mL

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EK0/EV-WA/011/200716 Test Report No.

Issue Date

nameranta. "End of Report"

Notes

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TEST REPORT

	Water Sample Analysis		
Test Report No. :	EK0/EV-WA/015/190716	Issue Date	02/08/2016
Issued To	SAI INTERNATIONAL SANSTHAN		
	SOCIAL SERVICE ORGANIZATION		
	A -01, DURGA APARTMENT		
	NEW SHIVPURI COLONY		
	HINOO, RANCHI		
Sample Description	Water Sample (S-1)		
Sample Drawn on	18/07/2016		

EPEPI (Mr. K.K. Mishra) Sample Drawn by 19/07/2016

Sample Received on

Saidpur Ganga River - shorefront Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal Environmental Condition

19/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

	RESULIS				
S.No.	PARAMETER	Test Methods	Results	Units	
1	Hq	IS : 3025 (P-11)	7.64	-	
2	Temperature	IS _ 3025 (P-9)	29.1	deg.C	
3	Total Dissolved Solids	IS : 3025 (P-16)	170.0	mg/L	
4	Total Suspended Solids	IS : 3025 (P-17)	1102.0	mg/L	
5	Phosphate (as P)	IS: 3025 (P-31)	<0.1	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	2.17	mg/L	
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L	
8	Dissolved Oxygen	IS 3025 (P-38)	5.8	mg/L	
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L	
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	2.46	mg/L	
11	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L	
12	Total Nitrogen (as N)	IS: 3025 (P-34)	4.64	mg/L	
13	COD (as O2)	IS : 3025 (P-58)	17.6	mg/L	
14	BOD (@27°C for 3 days)	IS : 3025 (P-44)	5.9	mg/L	
15	Feacal Coliform	IS · 1622	41×10³	Per 100mL	

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disophres

FOR EKO PRO ENGINEERS PVT, LTD

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EK0/EV-WA/015/190716 Test Report No. :

Issue Date

02/08/2016 **End of Report**

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02/08/2016

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (S-2)

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

EK0/EV-WA/016/190716

Sample Received on 19/07/2016

Saidpur Ganga River - center Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

19/07/2016 To 01/08/2016 Analysis Duration

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	7.61	_
2	Temperature	IS 3025 (P-9)	29.2	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	166.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	778.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS : 3025 (P-34)	1.39	mg/L
7	Nitrite (as NO2)	IS = 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.2	mg/L
9	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.28	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	2.67	mg/L
13	COD (as O2)	IS: 3025 (P-58)	8.8	mg/L
14	BOD (@27°C for 3 days)	IS:: 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	40×10³	Per 100mL

FOR EKO PRO ENGINEERS PVT. LTD



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Notes

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/017/190716 Test Report No. : 02/08/2016 Issue Date

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT

NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (S-3)

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

19/07/2016 Sample Received on

Saidpur Gomti River mouth - center Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity

Environmental Condition 19/07/2016 To 01/08/2016

NA Remark (if any)

Analysis Duration

RESULTS

RESULTS				
S.No.	PARAMETER	Test Methods	Results	Units
1 p	pH	IS 3025 (P-11)	7.44	-
2 T	l'emperature	IS: 3025 (P-9)	30.0	deg.C
3 T	Total Dissolved Solids	IS 3025 (P-16)	207.0	mg/L
4 T	otal Suspended Solids	IS 3025 (P-17)	56.0	mg/L
5 F	Phosphate (as P)	IS 3025 (P-31)	0.23	mg/L
6 N	litrate (as NO3)	IS 3025 (P-34)	2.46	mg/L
7 N	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8 0	Dissolved Oxygen	IS 3025 (P-38)	5.7	mg/L
9 A	Amonical Nitrogen (as NH4)	iS: 3025 (P-34)	<1.0	mg/L
10 T	Fotal Kjehldal Nitrogen	1S 3025 (P-34)	1.42	mg/L
11 F	ree Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12 T	Total Nitrogen (as N)	IS 3025 (P-34)	3.88	mg/L
13 0	COD (as O2)	IS 3025 (P-58)	14.4	mg/L
14 E	BOD (@27°C for 3 days)	IS 3025 (P-44)	3.0	mg/L
15 F	Feacal Coliform	/S 1622	22×10³	Per 100mL

For EKO PRO ENGINEERS PVT LTD



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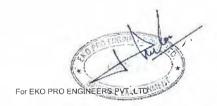
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Issue Date

02/08/2016 **End of Report**

Notes :

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

EK0/EV-WA/018/190716

SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT

NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (S-4)

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

Sample Received on 19/07/2016

Saidpur Ganga River - Shorefront (Upstream of Gomti River mouth) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

19/07/2016 To 01/08/2016 Analysis Duration

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
4		ID 2005 (D 44)	250	
1	pH	IS : 3025 (P-11)	7.58	-
2	Temperature	IS 3025 (P-9)	29.1	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	160.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	716.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	1.83	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS: 3025 (P-38)	5.2	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.96	mg/L
11	Free Ammonia (as N)	is 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.79	mg/L
13	COD (as O2)	IS 3025 (P-58)	21.6	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	6.4	mg/L
15	Feacal Coliform	IS: 1622	39×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD





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Test Report No.

EK0/EV-WA/618/190715

Issue Date

02/08/2016 "Fort of Report"

Notes:

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Test Report No. :

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TEST REPORT

Water Sample Analysis

Issued To SALINTERNATIONAL SANSTHAN

EK0/EV-WA/019/190716

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (S-5)

18/07/2016 Sample Drawn on

EPEPL(Mr. K.K. Mishra) Sample Drawn by

Sample Received on 19/07/2016

Saidpur Ganga River - center (Upstream of Gomti River mouth) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Normal Environmental Condition

19/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

KEOOLIO				
S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	7.67	-
2	Temperature	IS: 3025 (P-9)	29.1	deg.C
3	Total Dissolved Solids	IS : 3025 (P-16)	168.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	1192.0	mg/L
5	Phosphate (as P)	IS., 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1,98	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS · 3025 (P-38)	6.8	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS ; 3025 (P-34)	1.84	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.82	mg/L
13	COD (as O2)	IS 3025 (P-58)	7.2	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	27×10³	Per 100mL

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines

For EKO PRO ENGINEERS PVT ,LTD



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FK0/EV-WA/019/190716 Test Report No :

Iceua Data

02/08/2016 **End of Report*

Notes:

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/020/190716 Test Report No. : Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01 DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO RANCHI

Sample Description Water Sample (S-6)

Sample Drawn on 18/07/2016

EPEPL(Mr. K.K. Mishra) Sample Drawn by

Sample Received on 19/07/2016

Saidour Ganga River - Shorefront (Downstream of Gomti River mouth) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.01 ltre Normal Environmental Condition

19/07/2016 To 01/08/2016 Analysis Duration

Remark (if any) NA

RESULTS

S.Na.	PARAMETER	Test Methods	Results	Units
1	pH	IS - 3025 (P-11)	7.51	
2	Temperature	IS 3025 (P-9)	29.9	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	192.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	430.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	0.15	mg/L
6	Nitrate (as NO3)	IS : 3025 (P-34)	2.42	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6,0	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.89	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	4.31	mg/L
13	COD (as O2)	IS 3025 (P-58)	11.2	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	2.3	mg/L
15	Feacal Coliform	IS 1622	34×10³	Per 100mL

For EKO PRO ENGINEERS PVT. LTC

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Office & Laboratory 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP, INDIA. e mail email@ekcoro in eia@ekcoro in ekcoroendineers@gmail.com, website www.ekcoro.in Contact No. 9711159210 9871800716 9711159337 9818405427 FPARX No. : +91-120-2800950 2857931

Test Report No.

EK0/EV-WA/020/190716

Inwest Date

02/08/2018 "Fort of Report"

Notes

1. The results given above are raisted to the tested sample, as received. A mentioned parameters.

The customer asked for the above tests only

2. This test report will not be benefated again, either wholly or in part, without written perceission of the Laboratory.

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/021/190716 02/08/2016 Test Report No. : Issue Date

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO RANCHI

Sample Description Water Sample (S-7)

18/07/2016 Sample Drawn on

EPEPL(Mr. K.K. Mishra) Sample Drawn by

19/07/2016 Sample Received on

Saidpur Ganga River - center (Downstream of Gomti River mouth) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity **Environmental Condition**

Normal

19/07/2016 To 01/08/2016 Analysis Duration

Remark (if any) NA

RESULTS

RESULIS				
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.01	-
2	Temperature	IS 3025 (P-9)	29.2	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	210.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	668.0	mg/L
5	Phosphate (as P)	IS : 3025 (P-31)	0.86	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	1.95	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS : 3025 (P-38)	<1.0	mg/L.
9	Amonical Nitrogen (as NH4)	IS . 3025 (P-34)	4.48	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	12.70	mg/L
11	Free Ammonia (as N)	IS: 3025 (P-34)	2.36	mg/L
12	Total Nitrogen (as N)	IS: 3025 (P-34)	14.65	mg/L.
13	COD (as O2)	IS: 3025 (P-58)	75.6	mg/L
14	BOD (@27°C for 3 days)	IS : 3025 (P-44)	28.0	mg/L
15	Feacal Coliform	IS 1622	39×10³	Per 100mL

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines.

For EKO PRO ENGINEERS PVT LITON



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EK0/EV-WA/021/190716 Test Report No. :

Issue Date

02/08/2016 **End of Report**

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/006/190716 Issue Date 02/08/2016

SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT NEW SHIVPURI COLONY

SALINTERNATIONAL SANSTHAN

HINOO, RANCHI

Sample Description Water Sample (V-5)

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 19/07/2016

Sampling Location Upstream of discharge point of effluent (Ganga) Bhagwanpur STP

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 19/07/2016 To 01/08/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	На	IS : 3025 (P-11)	7.57	
2	Temperature	IS : 3025 (P-9)	29,2	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	160.0	mg/L
4	Total Suspended Solids	IS : 3025 (P-17)	854.0	mg/L
5	Phosphate (as P)	IS . 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	2.46	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.7	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.26	mg/L
11	Free Ammonia (as N)	1S 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.72	mg/L
13	COD (as O2)	IS 3025 (P-58)	5.6	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS : 1622	35×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD





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Test Report No.

EK0/EV-W4/006/190716

Jeens Date

02/05/2018 "End of Report"

Notes

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02/08/2016

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Issue Date

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Water Sample (V-6) Sample Description

EK0/EV-WA/007/190716

18/07/2016 Sample Drawn on

EPEPL(Mr. Rajkumar Chauhan) Sample Drawn by

Sample Received on 19/07/2016

Downstream of discharge point of effluent (Ganga) Bhagwanpur STP Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Mormal Environmental Condition

19/07/2016 To 01/08/2016

NA Remark (if any)

Analysis Duration

RESULTS

KEODETO				
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS : 3025 (P-11)	7.58	-
2	Temperature	IS 3025 (P-9)	29.1	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	158.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	438.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.38	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.2	mg/L
9	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	1.28	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.66	mg/L
13	COD (as O2)	IS 3025 (P-58)	12.8	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	2.1	mg/L
15	Feacal Coliform	IS: 1622	32×10³	Per 100mL

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines.

For EKO PRO ENGINEERS PVT, LTD

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EK0/EV-WA/007/190716 Test Report No. :

Issue Date

02/08/2016 **End of Report**

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-7)

EKD/EV-WA/020/200716

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 20/07/2016

Raw Sewage (Bhagwanpur STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity

Environmental Condition Normal 20/07/2016 To 01/08/2016 Analysis Duration

Remark (if any)

RESULTS

	KEGGETG				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS : 3025 (P-11)	7.08	-	
2	Temperature	IS 3025 (P-9)	28.9	deg.C	
3	Total Dissolved Solids	IS : 3025 (P-16)	390.0	mg/L	
4	Total Suspended Solids	IS : 3025 (P-17)	38.0	mg/L	
5	Phosphate (as P)	IS : 3025 (P-31)	2.5	mg/L	
6	Nitrate (as NO3)	IS . 3025 (P-34)	1.82	mg/L	
7	Nitrite (as NO2)	IS : 3025 (P-34)	<0.1	mg/L	
8	Dissolved Oxygen	IS 3025 (P-38)	<1.0	mg/L	
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	7.56	mg/L	
10	Total Kjehldal Nitrogen	IS . 3025 (P-34)	19.50	mg/L	
11	Free Ammonia (as N)	IS 3025 (P-34)	1.32	mg.'L	
12	Total Nitrogen (as N)	tS 3025 (P-34)	21.32	mg/L	
13	COD (as O2)	IS 3025 (P-58)	79.8	mg/L	
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	35.0	mg/L	
15	Feacal Coliform	IS 1622	15×10³	Per 100mL	

For EKO PRO ENGINEERS PVT. LTD



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Test Report No.

EK0/EV-3VA/020/200735

Issue Date

02/08/2016 "Fort of Report"

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/021/200716 02/08/2016 Issue Date

SALINTERNATIONAL SANSTHAN Issued To

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURLCOLONY

HINOO, RANCHI

Sample Description Water Sample (V-8)

19/07/2016 Sample Drawn on

Sample Drawn by EPEPL(Mr. Rajkumar Chauhan)

20/07/2016 Sample Received on

Treated Sewage (Bhagwanpur STP) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Normal Environmental Condition

20/07/2016 To 01/08/2016

NA Remark (if any)

Analysis Duration

PESILITS

RESUL15				
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.42	-
2	Temperature	IS 3025 (P-9)	29.2	deg.C
3	Total Dissolved Solids	IS : 3025 (P-16)	436.0	mg/L
4	Total Suspended Solids	IS : 3025 (P-17)	26.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	1.52	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	3.98	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	5.4	mg/L
9	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	3.46	mg/L
11	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS : 3025 (P-34)	7.44	mg/L
13	COD (as O2)	IS : 3025 (P-58)	13.2	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	5.2	mg/L
15	Feacal Coliform	IS : 1622	21×10³	Per 100mL

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines.

For EKO PRO ENGINEERS PVT, LTD



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EK0/EV-WA/021/200716 Test Report No. :

Issue Date

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To

FK0/EV-WA/008/190716

SAI INTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (V-9)

Sample Orawn on 18/07/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

19/07/2016 Sample Received on

Upstream of Assi Nala Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Environmental Condition Normal

19/07/2016 To 01/08/2016 Analysis Duration

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	Hq	IS : 3025 (P-11)	7.59	_
2	Temperature	IS (3025 (P-9)	29.0	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	170.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	1132.0	mgiL
5	Phosphate (as P)	IS 3025 (P-31)	0.21	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.68	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS: 3025 (P-38)	5.7	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.28	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	2.96	mg/L
13	COD (as O2)	iS: 3025 (P-58)	14.4	mg/L
14	BOD (@27°C for 3 days)	IS : 3025 (P-44)	3.1	mg/L
15	Feacal Coliform	IS 1622	43×10³	Per 100mL

For EKO PRO ENGINEERS PVT. LTO



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Test Report No.

EKNIEVANA/008/190716

Essate Date

02/08/2016 "Fod of Report"

Notes

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TEST REPORT

Water Sample Analysis EK0/EV-WA/012/200716 02/08/2016 Issue Date Test Report No. : Issued To SALINTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT NEW SHIVPURI COLONY HINOO, RANCHI

Water Sample (V-10) Sample Description

19/07/2016 Sample Drawn on

EPEPI (Mr. K.K. Mishra) Sample Drawn by

Sample Received on 20/07/2016

Downstream of Assi Nala Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal Analysis Duration

20/07/2016 To 01/08/2016

Remark (if any) NA

RESULTS

RESULTS				
S.No.	PARAMETER	Test Methods	Results	Units
1	pН	IS 3025 (P-11)	7.26	-
2	Temperature	IS 3025 (P-9)	28.7	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	268.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	130 0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	0.29	mg/L
6	Nitrate (as NO3)	IS . 3025 (P-34)	1,28	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS: 3025 (P-38)	3.7	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	5.3	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	19.70	mg/L
11	Free Ammonia (as N)	IS: 3025 (P-34)	2.46	mg/L
12	Total Nitrogen (as N)	IS: 3025 (P-34)	20.98	mg/L
13	COD (as O2)	IS: 3025 (P-58)	54.6	mg/L
14	BOD (@27°C for 3 days)	IS : 3025 (P-44)	15.0	mg/L
15	Feacal Coliform	IS : 1622	32×10³	Per 100mL

For EKO PRO ENGINEERS PVT. LTD

Authorized Signatory

EKO PRO

EKO PRO ENGINEERS PVT. LTD

(Analytical Division)

(An ISO 9001: 2008 Certified Company)

Office & Laboratory: 32/41, South Side of G. T. Road, UPSIDC Industrial Area, Ghaziabad - 201 009, UP INDIA e-mail: labs@ekopro.in, ekoproengineers@gmail.com, epeplgzb@gmail.com, epeplgzb@yahoo.com, www.ekopro.in, Telefax: +91-120-2867931, 2867940, 9711159337, 9711159210, 9711163422

EK0/EV-WA/012/200716 Test Report No. :

Issue Date

End of Report

02/08/2016

- 1. The results given above are ralated to the tested sample, as received & mentioned parameters.
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- 2. This test report will not be generated again, either wholly or in part, without written permission of the Laboratory
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Page No. 2/2



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TEST REPORT

Water Sample Analysis

EK0/EV-WA/013/200716 Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description Water Sample (V-11)

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. K.K. Mishra)

Sample Received on 20/07/2016

Upstream of Varuna River Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

20/07/2016 To 01/08/2016 Analysis Duration

Remark (if any) NA

RESULTS

1120210				
S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS 3025 (P-11)	7.15	-
2	Temperature	IS: 3025 (P-9)	28.7	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	242.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	92.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	0.63	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.05	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	5.9	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.96	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	4.01	mg/L
13	COD (as O2)	IS : 3025 (P-58)	14.4	mg/L
14	BOD (@27°C for 3 days)	IS ; 3025 (P-44)	3.0	mg/L
15	Feacal Coliform	IS = 1622	27×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD



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Test Report No.

EK0/EV-WA/013/200716

Issue Date

02/08/20 16 "End of Report"

Notes

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/014/200716 Test Report No. : Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01. DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-12)

19/07/2016 Sample Drawn on

EPEPL(Mr. Rajkumar Chauhan) Sample Drawn by

Sample Received on 20/07/2016

Downstream of Varuna River Sampling Location

SOP W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre

Normal

20/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

Environmental Condition

RESULTS

KEGGETG				
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS : 3025 (P-11)	7.03	
2	Temperature	IS: 3025 (P-9)	28.9	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	234.0	mg/L
4	Total Suspended Solids	IS ; 3025 (P-17)	128.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	0.22	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.46	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	1S : 3025 (P-38)	5.9	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	1,46	mg/L
10	Total Kjehldal Nitrogen	IS : 3025 (P-34)	3.98	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS . 3025 (P-34)	6.44	mg/L
13	COD (as O2)	IS 3025 (P-58)	11.5	mg/L.
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	2.8	mg/L
15	Feacal Coliform	IS 1622	22×10³	Per 100mL





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FK0/FV-WA/014/200716 Test Report No. :

Issue Date

02/08/2016 **End of Report*

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02/08/2016

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

EK0/EV-WA/009/190716

SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-13)

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 19/07/2016

Assi Nala mouth (shorefront) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.01 itre Environmental Condition Normal

19/07/2016 To 01/08/2016 Analysis Duration

Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1 p	oH I	IS : 3025 (P-11)	7.49	
	emperature	IS ± 3025 (P-9)	29.2	deg.C
\rightarrow	Total Dissolved Solids	IS 3025 (P-16)	198.0	mg/L
4 T	otal Suspended Solids	IS 3025 (P-17)	1230.0	mg/L
5 P	Phosphate (as P)	IS 3025 (P-31)	0.35	mg/L
6 N	Vitrate (as NO3)	IS 3025 (P-34)	1.39	mg/L
7 N	litrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8 E	Dissolved Oxygen	IS 3025 (P-38)	4.8	mg/L
9 A	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	4.3	mg/L
10 T	Total Kjehldal Nitrogen	IS 3025 (P-34)	12.50	mg/L
11 F	ree Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12 T	Total Nitrogen (as N)	IS 3025 (P-34)	13.89	mg/L
13 C	COD (as O2)	IS: 3025 (P-58)	34.6	mg/L
14 B	BOD (@27°C for 3 days)	IS: 3025 (P-44)	8.2	mg/L
15 F	Feacal Coliform	IS : 1622	48×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD

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Test Report No.

ERN/EVANAMONOMONTAG

Issue Date

02408/2016 "Forded Report"

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TEST REPORT

Water Sample Analysis Test Report No. : EK0/EV-WA/010/190716 02/08/2016 Issue Date Issued To SALINTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT NEW SHIVPURI COLONY HINOO, RANCHI Sample Description Water Sample (V-14)

18/07/2016 Sample Drawn on

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

19/07/2016 Sample Received on

Sampling Location Upstream of Assi nala mouth (center)

SOP-W/66 Sampling Plan & Procedure 2.01 itre Sample Quantity Environmental Condition Normal

19/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

	RESULIS				
S.No.	PARAMETER	Test Methods	Results	Units	
1	рН	IS : 3025 (P-11)	7.19	-	
2	Temperature	IS ; 3025 (P-9)	29.7	deg.C	
3	Total Dissolved Solids	IS 3025 (P-16)	160.0	mg/L	
4	Total Suspended Solids	IS : 3025 (P-17)	690.0	mg/L	
5	Phosphate (as P)	IS 3025 (P-31)	0.14	mg/L	
6	Nitrate (as NO3)	IS 3025 (P-34)	1.39	mg/L	
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L	
8	Dissolved Oxygen	IS 3025 (P-38)	6.4	mg/L	
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L	
10	Total Kjehldal Nitrogen	IS . 3025 (P-34)	1.49	mg/L	
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L	
12	Total Nitrogen (as N)	IS 3025 (P-34)	2.88	mg/L.	
13	COD (as O2)	IS : 3025 (P-58)	5.2	mg/L	
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L	
15	Feacal Coliform	IS 1622	41×10³	Per 100mL	

For EKO PRO ENGINEERS PVT...LTD

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Test Report No. : EK0/EV-WA/010/190716

Incue Date

02/08/2016 **End of Report*

Notes:

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/011/190716 Test Report No. : Issued To SAI INTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description

Water Sample (V-15)

Sample Drawn on

18/07/2016

Sample Drawn by

EPEPL(Mr. Raikumar Chauhan)

Sample Received on

19/07/2016

Sampling Location

Upstream of Assi nala mouth (shorefront)

Sampling Plan & Procedure

SOP-W/66

Sample Quantity

2.01 itre

Environmental Condition

Normal

Analysis Duration

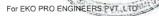
19/07/2016 To 01/08/2016

Remark (if any)

NA

RESULTS

1/20210				
S.No.	PARAMETER	Test Methods	Results	Units
1	pH	IS: 3025 (P-11)	7.58	-
2	Temperature	IS: 3025 (P-9)	29.1	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	168.0	mg _' L
4	Total Suspended Solids	IS: 3025 (P-17)	776.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.96	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.8	mg/L
9	Amonical Nitrogen (as NH4)	is 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.28	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.24	mg/L
13	COD (as O2)	IS 3025 (P-58)	4.0	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS: 1622	40×10³	Per 100mL





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Test Report No.

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TEST REPORT

Water Sample Analysis FK0/FV-WA/012/190716 Test Report No. :

Issued To SALINTERNATIONAL SANSTHAN

> SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Water Sample (V-16) Sample Description

Sample Drawn on 18/07/2016

Sample Drawn by EPEPL(Mr. Rajkumar Chauhan)

Sample Received on 19/07/2016

Downstream of Assi nala mouth (shorefront) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Normal Environmental Condition

19/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

KESSETS				
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS : 3025 (P-11)	7.31	-
2	Temperature	IS : 3025 (P-9)	29.0	deg.C
3	Total Dissolved Solids	IS : 3025 (P-16)	196.0	mg/L
4	Total Suspended Solids	IS : 3025 (P-17)	284.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	0.34	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1,82	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.2	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.36	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.18	mg/L
13	COD (as O2)	IS 3025 (P-58)	<4.0	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	39×10³	Per 100ml.

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines

For EKO PRO ENGINEERS PVT, LTO

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EK0/EV-WA/012/190716 Test Report No. :

Jeeus Date

02/08/2016 **End of Report**

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TEST REPORT

Water Sample Analysis

Test Report No. : Issued To SALINTERNATIONAL SANSTHAN

FK0/EV-WA/013/190716

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO RANCHI

Sample Description

Water Sample (V-17)

Sample Drawn on

18/07/2016

Sample Drawn by

EPEPL(Mr. Raikumar Chauhan)

Sample Received on

19/07/2016

Sampling Location

Downstream of Assi nala mouth (center)

Sampling Plan & Procedure

SOP-W/66

Sample Quantity Environmental Condition 2 0 Litre Normal

Analysis Duration

19/07/2016 To 01/08/2016

Remark (if anv)

RESULTS

N200E10				
S.No.	PARAMETER	Test Methods	Results	Units
1	pН	IS : 3025 (P-11)	7.48	
2	Temperature	IS : 3025 (P-9)	29.0	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	176.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	670.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	0.18	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.05	mg/L
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS: 3025 (P-38)	6.3	mg/L
9	Amonical Nitrogen (as NH4)	IS: 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	1.42	mg/L
11	Free Ammonia (as N)	IS : 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS . 3025 (P-34)	2.47	mg/L
13	COD (as O2)	IS: 3025 (P-58)	4.0	mg/L
14	BOD (@27°C for 3 days)	IS : 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	31×10³	Per 100mL

For EKO PRO ENGINEERS PVT, LTD



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02/08/2016

"End of Report"

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Test Report No.

Notes

EK0/EV-WA/013/190716

Jeeus Date

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Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disciplines. Constitute Condens Cit CC Commission (Mitt Dick Anchors Packetter of ETD ADPS DUMS Statement Productivemental Land & Page Mariel

02/08/2016

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Issue Date

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/014/190716 Test Report No. : Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (V-18)

18/07/2016 Sample Drawn on

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 19/07/2016

Near Intake Tower (shorefront) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.01 itre Sample Quantity Normal

Environmental Condition 19/07/2016 To 01/08/2016 Analysis Duration

Remark (if any)

RESULTS

RESULIS				
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.55	-
2	Temperature	IS 3025 (P-9)	29.0	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	160.0	mg/L
4	Total Suspended Solids	IS -3025 (P-17)	616.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	<0.1	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.46	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.4	mg/L
9	Amonical Nitrogen (as NH4)	tS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	1,42	mg/L
11	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS: 3025 (P-34)	3.88	mg/L
13	COD (as O2)	IS: 3025 (P-58)	5.6	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	27×10³	Per 100ml.

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disoplines

For EKO PRO ENGINEERS PVT, LTD

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EK0/EV-WA/014/190716

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TEST REPORT

Water Sample Analysis

FK0/EV-WA/015/200716 Test Report No. : Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION

A -01 DURGA APARTMENT NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-21)

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 20/07/2016

Varuna River mouth (shorefront) Sampling Location

SOP-W/66 Sampling Plan & Procedure Sample Quantity 2.0 Litre Environmental Condition Normal

20/07/2016 To 01/08/2016 Analysis Duration

Remark (if any)

RESULTS

TALOOL 10				
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.92	-
2	Temperature	IS 3025 (P-9)	29.5	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	160.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	710.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	0.19	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.92	mg/L
7	Nitrite (as NO2)	IS : 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS : 3025 (P-38)	6.0	mg/L
9	Amonical Nitrogen (as NH4)	IS : 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	2.56	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS · 3025 (P-34)	4.48	mg/L
13	COD (as O2)	IS 3025 (P-58)	7.2	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	34×10³	Per 100mL

For EKO PRO ENGINEERS PVT. LTD



Contact : 491 - 9810243870

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Test Report No.

EK0/EV-WA/015/200716

Jeena Data

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TEST REPORT

	TEST KEPOKT		
	Water Sample Analysis		
Test Report No. :	EK0/EV-WA/016/200716	Issue Date	02/08/2016
Issued To	SAI INTERNATIONAL SANSTHAN		
	SOCIAL SERVICE ORGANIZATION		
	A -01, DURGA APARTMENT		
	NEW SHIVPURI COLONY		
	HINOO, RANCHI		
Sample Description	Water Sample (V-22)		
Sample Drawn on	19/07/2016		
Sample Drawn by	EPEPL(Mr Rajkumar Chauhan)		

Sampling Location Upstream of Varuna River mouth (shorefront)

Sample Received on

Sampling Plan & Procedure SOP-W/66

Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 20/07/2016 To 01/08/2016

20/07/2016

Remark (if any) NA

RESULTS

RESULIS				
S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.37	-
2	Temperature	IS 3025 (P-9)	29.5	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	154.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	772.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	0.24	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.24	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.9	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.86	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.10	mg/L
13	COD (as O2)	IS: 3025 (P-58)	<4.0	mg/L
14	BOD (@27°C for 3 days)	IS: 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	32×10³	Per 100mL

Analytical Services - Analysis of Environment, Food, Building Material, Petroleum & Material Samples in the field of Chemical, Mechanical & Biological Disoplines.

For EKO PRO ENGINEERS PVT. LTD

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Test Report No. : EK0/EV

EK0/EV-WA/016/200716

Issue Date

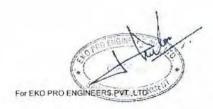
End of Report

02/08/2016

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TEST REPORT

Water Sample Analysis

Test Report No. : EK0/EV-WA/017/200716
Issued To SAI INTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01, DURGA APARTMENT

NEW SHIVPURI COLONY HINOO, RANCHI

Sample Description Water Sample (V-23)

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 20/07/2016

Sampling Location Upstream of Varuna River mouth (center)

Sampling Plan & Procedure SOP-W/66
Sample Quantity 2.0 Litre
Environmental Condition Normal

Analysis Duration 20/07/2016 To 01/08/2016

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS : 3025 (P-11)	7.58	-
2	Temperature	IS 3025 (P-9)	28.7	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	134.0	mg/L
4	Total Suspended Solids	IS: 3025 (P-17)	1296.0	mg/L
5	Phosphate (as P)	IS: 3025 (P-31)	0.17	mg/L
6	Nitrate (as NO3)	IS: 3025 (P-34)	1.58	mg/L,
7	Nitrite (as NO2)	IS: 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS 3025 (P-38)	6.8	mg/L
9	Amonical Nitrogen (as NH4)	IS . 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS: 3025 (P-34)	2.05	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.63	mg/L
13	COD (as O2)	IS 3025 (P-58)	<4.0	mg/L
14	BOD (@27°C for 3 days)	IS 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	48×10³	Per 100mL

For EKO PRO ENGINEERS PVT LTD



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Test Report No.

EKG/EV-WA/017/200715

Jeeus Data

02/08/2015 "End of Report"

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/018/200716 02/08/2016 Test Report No : Issue Date

Issued To SALINTERNATIONAL SANSTHAN

SOCIAL SERVICE ORGANIZATION A -01 DURGA APARTMENT

NEW SHIVPURLOOLONY

HINOO, RANCHI

Sample Description Water Sample (V-24)

Sample Drawn on 19/07/2016

EPEPL(Mr. Rajkumar Chauhan) Sample Drawn by

20/07/2016 Sample Received on

Downstream of Varuna River mouth (shorefront) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Environmental Condition

20/07/2016 To 01/08/2016 Analysis Duration

Remark (if any) NA

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS : 3025 (P-11)	7.26	-
2	Temperature	IS 3025 (P-9)	29.2	deg.C
3	Total Dissolved Solids	IS: 3025 (P-16)	190.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	668.0	mg/L
5	Phosphate (as P)	IS 3025 (P-31)	0.35	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	2.98	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS: 3025 (P-38)	6.2	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS : 3025 (P-34)	1.38	mg/L
11	Free Ammonia (as N)	IS 3025 (P-34)	. <1.0	mg/L
12	Total Nitrogen (as N)	IS : 3025 (P-34)	4.36	mg/L
13	COD (as O2)	IS 3025 (P-58)	6.4	mg/L
14	BOD (@27°C for 3 days)	IS : 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS: 1622	40×10³	Per 100mL

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TEST REPORT

Water Sample Analysis

EK0/EV-WA/019/200716 Test Report No. : Issued To

SAI INTERNATIONAL SANSTHAN SOCIAL SERVICE ORGANIZATION

A -01, DURGA APARTMENT

NEW SHIVPURI COLONY

HINOO, RANCHI

Sample Description Water Sample (V-25)

Sample Drawn on 19/07/2016

Sample Drawn by EPEPL(Mr. Raikumar Chauhan)

Sample Received on 20/07/2016

Downstream of Varuna River mouth (center) Sampling Location

SOP-W/66 Sampling Plan & Procedure 2.0 Litre Sample Quantity Environmental Condition Normal

20/07/2016 To 01/08/2016 Analysis Duration

NA Remark (if any)

RESULTS

S.No.	PARAMETER	Test Methods	Results	Units
1	рН	IS 3025 (P-11)	7.67	
2	Temperature	IS : 3025 (P-9)	29.7	deg.C
3	Total Dissolved Solids	IS 3025 (P-16)	128.0	mg/L
4	Total Suspended Solids	IS 3025 (P-17)	1148.0	mg/L
5	Phosphate (as P)	IS . 3025 (P-31)	0.16	mg/L
6	Nitrate (as NO3)	IS 3025 (P-34)	1.36	mg/L
7	Nitrite (as NO2)	IS 3025 (P-34)	<0.1	mg/L
8	Dissolved Oxygen	IS : 3025 (P-38)	6,5	mg/L
9	Amonical Nitrogen (as NH4)	IS 3025 (P-34)	<1.0	mg/L
10	Total Kjehldal Nitrogen	IS 3025 (P-34)	1.96	mg/L
11	Free Ammonia (as N)	IS: 3025 (P-34)	<1.0	mg/L
12	Total Nitrogen (as N)	IS 3025 (P-34)	3.32	mg/L
13	COD (as O2)	IS · 3025 (P-58)	<4.0	mg/L.
14	BOD (@27°C for 3 days)	IS ; 3025 (P-44)	<2.0	mg/L
15	Feacal Coliform	IS 1622	43×10³	Per 100mL

For EKO PRO ENGINEERS PVT. LTD



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EKN/EV-WAM19/200716 Test Report No.

Jesma Data

02/08/20 16 "End of Report"

Notes

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