

CONTRACT SECTION, PHQ NOONMATI

DATE: 26TH OCTOBER 2022

<u>CORRIGENDUM – 3 FOR OIL'S GEM TENDER NO. GEM/2022/B/2573361 dated: 24-09-2022</u>

- INCORPORATE THE BORE LOG DATA
 PERTAINING TO HIRING THE SERVICES FOR
 DESIGN, DETAIL ENGINEERING &
 INSTALLATION OF 355.6 MM OD PIPELINE BY
 HORIZONTAL DIRECTIONAL DRILLING
 METHOD AT RIVER MAHANANDA II AS BELOW:
- II. ALL OTHER TERMS AND CONDITIONS SHALL REMAIN UNCHANGED IN THE ABOVE TENDER

SWAYIN & ASSOCIATES
77, SATYA NAGAR, BHUBANESWAR
PHONE: (0674) 2503358, 2500115, 2512571
Web Site: www.swayinassociates.com

SIGN. OF THE CLIENT

BORELOG DATA SHEET

PROJECT :- O'll godia BORE HOLE NO :- 15

LOCATION :- maharand SHEET NO .:-

DATE OF START :- 06-08-0 DATE OF COMPL :- 08-08-09

For SWAYIN & ASSOCIATES

DEPT		DEPTH OF CHANGE OF	ВН	DESCRIPTION OF SAMPLE		SAMPLI	E	N.	G.W.	font
MTI	RS.	STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARK
0.00		0.00		clary Sand	0.50	DS	01			
1.00	-				1.00	SPT	01	2+3+	4	
2.00				_ Ac-	1.60	UDS	01	7		
. 00								3+5	16	
3.00		3.10			3.00 3.60	UDS	02	"		
4.00				gravess and pepels	3:60 4:00			7+9		
.00				1	5.00			21	-)
.00				- Ac-	5.50		1	25	<u> </u>	
.00					6.50 7.00		- 1	10+	C+1	,
				- do		DS		_	3 //	_
.00								10+1	8+2	3
.00					9.50		06	41		
0.00				- do -	10.00	SPT	07	12+2	10+	4
.00						1		44		-
2.00				_ An _	11·SO	SPT	os	13+	27	5
				- (0	12.50					
3.00				- An -	13.00			15 +	24+	28
1.00				- 010	14:00	1	-			
5.00		10			14.20	SPT	10	15 +	267	30

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gnolia BORE HOLE NO. :- 15

LOCATION: makendado SHEET NO .:-

DATE OF START :-DATE OF COMPL :-

02

	THIN	DEPTH OF CHANGE OF	ВН	DESCRIPTION OF SAMPLE		SAMPLE		'N'	G. W.	121-711
МТ	RS.	STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARK
19.00		15.00		continue starta	15.50	DS	10			
1600	_			1	16.00	SPT	11	19+2	9+3	3_
17.00				- do -	1700	DS		62		New York
<i>10</i> 00						SPT		20+2	31+3	5
18.00		- 4		- Ao-				124	75-4	70
1900					1700	517	13	22+ 73 26+	53.7	<u>38</u>
ZB100		20.10		Du To	20.10	SPT	14.	26 + 82	397	43
9.00				B'H Terminated at the deapth of		4		02		
2.00	Joy 6			20-10 mer						
	_									
3 00	_									
\$100-					9		*		44	
19:00	_									
1500										
7200	_									
B.00						10				
5	-									
9.00	_	1								
95.00 L		The	as l							

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: - Oze godia BORE HOLE NO.: - 14 LOCATION: - mahananda SHEET NO.: - 01

DATE OF START :- 05 -08-09 DATE OF COMPL :-08-08-09

R. L. :-

DEPTH		DEPTH OF CHANGE OF	вн	DESCRIPTION OF SAMPLE		SAMPLE	Ē	Wink	، کی ۔ G. W.	10.M
MTR	S.	STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARKS
0.00	_	0.00		Gilled-up clay Sond	0.50	DS	01			
1.00				clary sond	1.00	SPT	01	2+3	44	
2.00				V	1.60	كول	10	7		
	_			- do-	2:50	SPT	02	3+4	+5	
3.00					3.00	UDS	02	9		
4.00					400	SPT	03	314	<i>t6</i>	
5.00	-			-do-	5:00	DS	02	10	av	1.4.3
5.00	_			4				416	<i>+8</i>	
6.00	_			- do-	6·50			14		
7.00	_							5+7	<i>+9</i>	
-		7.40		core sond				16		
8.00				with gravels and pebels	8.00	DS	04	, 0		
9.00				and pebels	8:50	SPT	06	8+1.	2/13	3
•	-				9.50	DS	os	25		_
10.00				- do-	1000	SPT	07	9+14	1 +15	
11.00					11.00		0.000	29	- //3	
				do-	11:50	SPT	08	11+1	5+2	2
12.00	_	2		_40		DS		35	-	<i>-</i>
13.00	_			,	1300		09		18+2	9
14.00				- do-		- 1	~ J _	40	0/2	2
-	- 1	10			1400	DS		/	22+	-24
15.00 L		111	In -		1430	SPI	10	-48	aut	

SIGN. OF THE CLIENT

77, SATYA NAGAR, BHUBANESWAR PHONE : (0674) 2503358, 2500115, 2512571 Web Site: www,swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gradia BORE HOLE NO. :- 124 LOCATION: -maharanda HEET NO .:-

DATE OF START :-DATE OF COMPL :-

R. L. :-

			<i>î</i>	R.	. L. :-			
DEPTHIN	DEPTHOF	вн	DESCRIPTION OF SAMPLE	SAMPLI	E	'N' VALUE	G. W. OBSER	REMARKS
MTRS.	CHANGE OF STARTA	STARTA		DEPTH TYPE		VALUE	OBSER	
5.00	1500		continue starta	15.50 DS	09			
16.00				16-00SPT	11	18%	24/3	0
			- do-	1700DS		1 59		
7200				17.50 SP7	12		261	33
/8.00			do-	1850 DS	11	59		
19.00				1900 SP,	713	227	297	36
2000	20		_ do-	20.00 SP,	714	241	433	139
_			B.H. Terminates af the deapth	1		72	2	
2/s.00			08 20.00 mlr					
22.00								
23.00								
25/00	-				w.			
250.00								
261.00	-							
27.00	-							
283.00	-							
013/.00								
[/ -	-	0						
36.00	-40	New						ole Annae

SIGN. OF THE CLIENT

For SWAYIN & ASSOCIATES

77, SATYA NAGAR, BHUBÄNESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: - Oil gndia

BORE HOLE NO. :- /3

LOCATION :-mahananda SHEET NO .:-

DATE OF START :-05.08.09 DATE OF COMPL :-06.08.09

DEPTHIN	DEPTH OF CHANGE OF	ВН	DESCRIPTION OF SAMPLE		SAMPLE		'N'	G. W.	REMARK
MTRS.	STARTA	STARTA		DEPTH	TYPE	NO.	VALUE	OBSER	
0.00	0.00		TOP fevel						-
			water	15				_ "	
1.00									
							uğ Pi		
2.00						8:		810	
3.00									
_			Ond 1						
4.00	4.20		1369 tevel						
			Fine to media	n/160	DS	01			
5.00			Bed level Fine to media sand	12.00	SPT	01	3+5	18	
6.00	2.80		core scang cut	4 D. 9C	July (101	10		
_	10-11-13		gravels and pebel	365	SPT	02	416	110	
7.00		1		1	UDS			100	
_				8.00	SP	03	6+9	114	
8.00				0.55	DS	02	23		
9.00								7+10	
_			-An-	4.51	SPT	19	_	3+18	
10.00				10.5	DS	03	31		
-				110	SPI	05	10+	16+2	1
11.00							37		
12.00				120	DS	104	1		1.
				129	OSP7	06	12+0	20 12	6
13.00			-do-	13.9	2Go	05	4	6	
14.00	1				OSP		121	804	
-	1 0					1 .		227	48
15.00		V.		1120	202	06	50		

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

DATE OF START :-

PROJECT :- Oil gndsa BORE HOLE NO.:- 13

LOCATION: -mahananda SHEET NO.:-

02 DATE OF COMPL :-

R. L. :-

DEDTUN	DEPTHOF	вн		8	AMPLE		'N'	G. W.	REMARKS
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH		NO.	VALUE	OBSER	KLIMAKKS
3:00	1500		Starta continue						
1/00				12:20	SPT	08	15+0	5+3	2
K.00			- do-	16·SC	1	07			
7.00				1	1	1 ~	-	26+	34_
18.00			- do-		DS		60	130	+78
-			- 0/6-	10000000	SPT		10	-	30
1900					DS	No. of Contract of		327	416
2000			- Ao -	1	SPT	-	72		7
24.00		1247.1	- 116 -	HEOLE	DS C				41.0
-				21:57	SP	1/2	107	347	412
22.00			1	229	DS	11	1	2	
Q 2500 -			- 10 -	230	X SP	7/3	237	135	12,16
7.7				24:	30 SP	714	25	A38	+48
23/00	24:30	-	af the deapth	9		-	8		
25.00	-					1			
716.00	-		08 24 30 mfr			1			
21300									
23,000									
2900	-								
3500	1	0							

SIGN. OF THE CLIENT THE OF

For SWAVIN'S ASSOCIATES

SWAYIN & ASSOCIATES
77, SATYA NAGAR, BHUBANESWAR
PHONE: (0674) 2503358, 2500115, 2512571
Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- oil andia

BORE HOLE NO. :- 12

LOCATION:-maharanda SHEET NO.:-

DATE OF START :- 03-08-0 DATE OF COMPL :-05.08.09

R. L. :-

DEPTHIN	DEPTH OF	ВН	DESCRIPTION OF SAMPLE	8	SAMPLE		'N'	G. W.	REMARK
MTRS.	CHANGE OF STARTA	STARTA	BESONI HONOI DAMI EE	DEPTH	TYPE	NO.	VALUE	OBSER	KLINAKK
0.00	0.00		TOP level						
_			water						
.00									
_			-de						
2.00									
3.00			Bed level						
.00	3.10		Circle 1						
.00			Gine to medicer	3.50	DS	01			
_			2000	1	CDT	01	3/3	15	
5.00	4.80		core sang cuth	4.70	WOS	oi	8		
-			pebels and	5.50			378	1+9	
5.00			pesee	6.00			17		
-				100	DS	March S	' '		
7.00				I land			6+11	+12	
3.00							Contract to the contract of th	112	
3.00			-do-				22		
9.00				8:50	SPT	04	9 +1	3+18	
-				9:50	DS	04	31		
0.00					1 2	1 /	11+1	6+2.	9
				10			-		F
1.00					DS	100			
2.00				11:50	SPT	06	127	18+2	5
2.00			-10-	1	25		43		Ť
3.00					SPT	Proposition of		120-	2 0
_				100		07	17/	207	128
14.00				1400	2d	07	48	,	, at
-	11 0			14.50	SPT	108	15	122-	130

SIGN. OF THE CLIENT

For EWAYIN & ASSOCIATES

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: - Oil gradiaBORE HOLE NO.: - 12

LOCATION:-mationary

02

DATE OF START :-DATE OF COMPL :-

R. L. :-

THE PROPERTY OF THE PARTY	DEPTH OF	- PU		8	AMPLE		'N'	G. W.	REMARKS
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	
9:00	15.00		starda continue			08	10.1-	- l - a	
100				16-00	SP7	09		5+32	
500			-elo-	1700	DS	09	57		
7.00		4.1	-eu-		SPT	1 '	18 +	77+3	35
9.00				18.5	DS	10	62	-	
1900 -			-1		SP		20-	130-	138
-			-96-	206	DS	11	6	8	
2000				205	OSP;	1/2	22:	133	140
25.00			do-	215	DS	12	7.	3	
22.00				22:1	OSP,	1/3	23	+35	143
	1			23:	29SP	7/14	125	438	145
2300	23.20		B.H Terminates	1			8		
2 300 -	-		of the deapth			ač.			
250:00	_		02 23-20 mts		1	3			
	•								
38.00	-				-				
2700	-								
2300	-								
2500	_								
218.00	_ 1	0							

SIGN. OF THE CLIENT IN LANGE

For SWAYIN & ASSOCIATES

77, SATYA NAGAR, BHUBANESWAR PHONE : (0674) 2503358, 2500115, 2512571 Web Site : www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: - Oil gradia BORE HOLE NO.: - 09 LOCATION: mahananda SHEET NO.: - 01

DATE OF START :- 2.08.09

DATE OF COMPL :- 3.08.09

R. L. :-

DEPTH	CI	EPTHOF	ВН	DESCRIPTION OF SAMPLE	5	SAMPLE	Ē.	Unil	G. W.	(ocm)
MTRS		HANGE OF STARTA	STARTA	DESCRIPTION OF SAMIFLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARKS
0.00	- 0	00.00		Fine to medican	0.60	DS	01			
1.00	_				1.00			3+4	/ 5	
	-			-do-	1:50	UPS	01	9		
2.00	- 18				2:50	SPT	02	3/51	-8	4.
3.00	-	3.40		core sand with		1200		13		
4.00	_			gravels and	3.60	DS	07			
-	-		1	Spebels			19	6+97	12	
5.00	_	- 1		,	500.	DS	03	21		
6.00	_	- 1	= 1	- do -	530.	SPI	04	8+1,	2+16	
7.00	_				6·50 7·00	DS SPT	0.5	28 9+15	-410	
-	_							-	7/9	
8.00	-				8.00			11 +1	Q + 1	7
9.00	-			-do-	9:50		-	7 .	0 /2	
10.00	_							11 +	0+1	<u>~</u>
	-			1	11.00			45	72	-
11.00	_						,	13+	72 +	20
12.00	_				12:50			57	-5 /.	<u>~0</u>
13.00	_					2=1		15 +2	44	76
14.00	-						o y	54	77	50
14.00	-	, 0		-do-	1400	DS	09	- 7		
15.00	_	10/			1450	SPT	10	18+	25 +	32

SIGN. OF THE CLIENT

For SWAYING ASSOCIATES

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: - vil gnelia BORE HOLE NO.: - 09

SHEET NO. :-LOCATION: mahanax

DATE OF START :-DATE OF COMPL :-

DEPTHIN	DEPTHOF	ВН		5	SAMPLE		'N'	G. W.	DEMARKS
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARKS
90.00	15.00		cove sond with	1550	DS	10			
14.00			gravels and pebels	1600	SPT	11	18+2	6+3	4
			O pebels	1700	DS	11	60		
7.00			-dr -	17:50	SPT	12	20 7.	29 +	38
8.00				18:50		_	67	,	
19.00			-do -	1900	SPT	13	23+	327	41)
-					SP7	14	28+	35 7	43
28.00	20:10 .		B.H. Terminateg	1			78		
\$.00			B.H. Terminateg at the dearth of 20-10 poly						
200			20-10 mtr	a.					
300									
(9.00						4			
210.00									
24.00	-								
-									
217.00									
218.00									
219.00									
3600	- In	Vac.							h
00	CLIENT	128/09	2		4			(F	ASSOCIATE

77, SATYANAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gratia BORE HOLE NO .:-10 DATE OF START :- 02 . 08-09 DATE OF COMPL :- 03.08.09

R. L. :-

LOCATION: -mahananda. 1) 01

DEPTHIN	DEPTH OF	вн	DESCRIPTION OF PANDLE		SAMPLE		10 il	G. W 8) can
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARKS
0.00	0.00		Fine to median	0:40	DS	01			
1.00			Sand	1.00	SPT	01	2+3-	14	
2.00			_db _	1.60	UDS	01	7		
-				2:50	517	02	3+5	16	
3.00	3.60		core sond	3.00	15 45		1/		
4.00			with gravels	3.60	DS	03			
5.00			with gravels and pebels	500	DS	03	7+10	17/2	
6.00					SPT			3 <i>+15</i>	
			-A6-		DS	,	28	7/13	4
7.00				7.00	SPT	05	9+16	+18	
8.00			1	8.00	DS	05	34		
9.00	2.4		-do-		SPT		12+	18to	13
10.00				100	DS	500	41		
11.00			- do-		SPT		15+	231	26
			- 40	11:00	DS SPT	07	49		
12.00					25		18-	25-	28
13.00		7 1	- do -	1300		09	53 20+	1.1-	6
14.00	. ,			1	DS	1	56	6+3	6
15.00	1	N.		1.,	SPT	10	20+	28+	33

SIGN. OF THE CLIENT

For SWAYIN & ASSOCIATES

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: -Oil gnalia BORE HOLE NO.:- 10

LOCATION: mahananda SHEET NO .:-

02

DATE OF START :-DATE OF COMPL :-

R. L. :-

						. L. :-			B
DEPTH IN MTRS.	DEPTH OF CHANGE OF	BH STARTA	DESCRIPTION OF SAMPLE	8	SAMPL	E	'N'	G. W.	REMARK
WIKS.	STARTA	SIARIA		DEPTH	TYPE	NO.	VALUE	OBSER	KEMAKK
15.00	1500		starta continue	1530	25	10			
16.00			-do-	16-00			23+3	3/36	·
7200 -				1700	DS	11	69		
			do-	1750	SPT	12	25+3	35+36	3
78.00				18:50	DS		73		
9.00				1900		100	25+3	8+40	?
78.00	20.10			20.10	SPT	14	78 29 † 4	1743	
g.00			BH Terminaled at the deapthof				84		
200 -			20.10 mbr	a in			- 1		
g.00									
						4			
9.00						7			
29:00									
2K00									
7.00									
9.00						1			
1900									
75.00	1.	١.							

SIGN. OF THE CLIENT

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gndia

SIGN. OF THE CLIENT

BORE HOLE NO. :- //

LOCATION:-mahananglaSHEET NO.:-

DATE OF START :- 03-08-09
DATE OF COMPL :-04-08-09

DEPTHIN	DEPTHOF	вн	DESCRIPTION OF SAMPLE	5	SAMPLE	(O.K	G. W.	REMARKS
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	KEWAKKS
0.00	0.00		Fine to medicin	060	DS	01			
1.00			Fine to medicing	1.00	SPT	01	2+3.	+5	
1.00			-do	1.60		01	8		
2.00				2.50	SPT	02	5+6	+0	
3.00			- do -		UDS		14	1,0	
3.00	3.50		core conduith		DS		,		
4.00			gravels and	4.00	SPT	03	8+1	0+13	
			gravels and pebels	5.00	DS		23		
5.00		F		5.50	SPT	04	9+1:	3+15	
6.00			-do-		DS		28		
7.00						1 '	10+1	5+18	
7.00							===	1	
8.00			- do-		DC				
				8.50	SPT	06	12+	18-12	1
9.00			1 de 1	100	DS	3-3-3-4	39		
10.00	-		-90-	γο.α	SPI	07	12+	372	5
					03		1	-	
11.00					SPT	1		25+	26
12.00	-		- do -			1		10/6	20
13.00	_				DS	1	55		
_					SPT	1	1-1	28+	33
14.00	-	0	- 76-		000		1,0	1 76-	+7.
15.00		\		1450	SP	1/0	197	136-	35

SWAYIN & ASSOCIATES
77, SATYA NAGAR, BHUBANESWAR
PHONE: (0674) 2503358, 2500115, 2512571
Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gnelia BORE HOLE NO. :- 11 LOCATION :- mahananasHEET NO. :-

02

DATE OF START :-DATE OF COMPL :-

R. L. :-

DEPTHIN	DEPTH OF	вн	DESCRIPTION OF SAMPLE	5	SAMPLE		'N'	G. W.	DEMARKS
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARKS
13:00	15.00		continue starta	15.50		10			
14,00			- do-	16.00	SPT	11	21+3	273	+
			_ 90-		DS		69		
7700				17.50	SPT	12	25 to	5+4	<u> </u>
18:00			- do-	18.50	DS	12	75		
19.00			,	19.00	SPT	13	29+	3874	2
7			- do-	2010	SPT	14	31 + 3	39 +1	3
2,500	20.10		B.H. Terminaley	,			87	-	
26,00 -			at the deapth of 20.10 mlr						
			08 20.10 mls						
2300									
23.00					ŀ.				
240									
						7			
219.00									
2¥.00	-								
972.00	-								
¢3.00	-			140					
\(-\)									
294.00				13.5					
305.00	- 4	V							

SIGN. OF THE CLIENT THE WAY OF

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Ozl gratia BORE HOLE NO .: - Og

LOCATION: -mahananga SHEET NO.:-

DATE OF START :- 31.07.09 DATE OF COMPL :- 01.08.09

DEPTHIN	DEPTH OF	вн	DESCRIPTION OF SAMPLE		AMPLE		'N' VALUE	G. W. OBSER	REMARKS
MTRS.	STARTA	STARTA		DEPTH	TYPE	NO.	VALUE	OBSER	
.00	0.00		Fine to medium	0.50	25	01			
.00		J. M. H	Gine to mediung	100	SPT	01	2+37	5	
.00			,		UDS		8		
2.00			- do -	2:50	SPT	02	3+5	18	
3.00				3.10	UDS		13		
-	3.50		core sound with		DS				
4.00		100	gravels and pebels	4.00	SPT	03	8+11	1/2	
5.00	T 4		pestus	500	28	03	22		
-			-do-	550	SPT	04	8+	13+13	s
6.00				6:50	DS	04	28		
7.00				700	SPT	05	10+	15+	18
_			- Ao-		DS				
8.00					SPT	1		-20-	+23
9.00			- A0 -	9.8	DS	06	1	3	
			- 170	100	OSP	107	11 7	1237	+26
10.00				11.0	DDS	07	+ 1	19	
11.00			-00 -	11.5	SP	TOR	13.	125	+26
12.00					OD		-		
13.00			dn-		O SP			126	+28
14.00			- 10	14	CO D	5 09	5	4	
15.00	1	0			50 51	7 10	1,,	26 7	130

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

SIGN. OF THE CLIENT

BORELOG DATA SHEET

PROJECT: - Oil gnelia BORE HOLE NO.: - 08 LOCATION: -mahananda ; 02 DATE OF START :- 31.7.00

DATE OF COMPL :- 1.8.0

DEPTH IN	DEPTH OF	вн	DESCRIPTION OF SAMPLE		SAMPLE	•	'N'	G. W.	DEMARKS
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARKS
150.00	1500		continue starta	15:50	DS	10			
16.00			- do-	16.00	SPT	11	22+	29+	34
7.00				1700	DS	11	63		
138.00			-do-	1750	SPT	12	23 +	31+	36
19:00					DS	100	67		
20:00			-do-		SPT		24 t		
	20.10		B.H Terminate	20.10	SPI	19	26 +	35+	45
25.00			BH Terminates at the deapty of 20.10 mdr				38	0	~
79.00			00 20.10						
23.00									
24.00						₩			
370.00									
26.00									
27200									
213.00									
204.00									
315.00	1								

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- O'll gnelia BORE HOLE NO. :- 07 LOCATION: - mahanandsHEET NO .:-

DATE OF START :- 31.07-0 DATE OF COMPL :- 01 - 08 - 09

	T		77		R.	L. :-			,
DEPTH IN MTRS.	DEPTH OF CHANGE OF STARTA	BH STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	G. W. OBSER	85 CA
0.00	000		Fine to medium	A STATE OF THE STA		01			
1.00			tine to medium	1.00	SP7	01	273	ts	
2.00			-do-	1.60	2GU	01	8		
3.00				2:50	-0117		-	76	
-	3.40			3.00			11		
4.00			/ !	3.50 1					
500		1		400 9		+	6-19	112	
5.00				500 1	25	93	21		
6.00			- Ao -	5:50 5	:P7/9	04	9+12	+15	- 1
-			· ·	5.50 I	25 6	04	27		
7.00		1		7005	PTE	5/	10+15	119	
8.00				8:00 I			34		1
9.00				3:50 S		1	3418	+25	
-			17	1.50 I	25 0	1	43		-
0.00			10	ocas	PTO	7	14+2	1+70	,
1.00			4.	100 I			110	1128	2
_			//	1.50 51	PTO	- 1	15tz:	7 - 1-7	,
2.00	-			2.50 I		11		375	5
.00			-do-				36		- 1
				300 SI		9/	8/2	8/3	5
.00			- do- 14	400 D	SC	9	60		
.00			11/	1.87 CI	DTIC	^	19+2	0-1-	38

SIGN. OF THE CLIENT

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: Oil gratia BOF

BORE HOLE NO. :- 07

LOCATION: mahanand SHEET NO.:-

02

DATE OF START :- 31 . 7 60

						R.	L. :-			
	THIN RS.	DEPTH OF CHANGE OF	BH STARTA	DESCRIPTION OF SAMPLE		SAMPLE		'N'	G. W.	REMARKS
		STARTA		<u> </u>	DEPTH		NO.	VALUE	OBSER	
10.00		15.00		Sfarta continu	15:50	DS	10			
6.00				- do-	1600	SP7	A Company of the Comp	25+3	3+4	o l
7.00						DS	200	73		
8:00						- 1		287	35+	42
					1	DS	- 1	77	L-7/	/ 1 ,
9.00				- Ao-	1900.	SPT	13	28	736	F44
(5.00		20.00		B.H Terminal	2000	SPT	14		+38	145
7.00				B:H Terminated of the deapth of 20.00 mfr				83		
3.00				20.00 mfr						
300										
6,00										
9:00	_					•				
- 1	-									
E00										
7.00	_									
F.00										
900	_									
5.00 L	_	1, 1								

SIGN. OF THE CLIENT

For SWAYING ASSOCIATES

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT : Oil gratia

BORE HOLE NO. :- 06

LOCATION: -mahanandaSHEET NO.:-

DATE OF START :- 29-07-0

DATE OF COMPL :- 30.07.09

R. L. :-

2000			/	/		K.	L. :-			2 20 20
DEPT	100000000000000000000000000000000000000	DEPTH OF CHANGE OF	ВН	DESCRIPTION OF SAMPLE		SAMPLE		N	g. w.	REMARKS
MTR	S.	STARTA	STARTA		DEPTH	TYPE	NO.	VALUE	OBSER	KEMATURO
0.00		0.00		Fine to medicing	0.50	DS	01			
1.00						SPT	01	2+3+	5	
				- do-	1.60	UDS	0/	8		
2.00				- 010 -	2.50	SPT	02	3+5-	+8	
3.00		7 74		5000 Co. 1 . '11	3.00	WDS	02	13		
	-	3.30		gravels and pebe	43.70	DS	02			-
4.00			(100	P//	5	579	110	
5.00				do		DS		19		
	-		W 15	-90-	5:30	SPT	04	10+1	17/8	
6.00				1		DS	/	1		
7.00				- 010 -	700	SPT	05	10+1	8+22	
					8.00	DS	05	40		
8.00					8:50	SP7	06	11+2	0+2	3
9.00			N ,	-c10 -	9.50	DS	06	43		T
				_do-	1000	SPT	60	13%	272	+
10.00				-70-	1		07	47		
11.00				La P Barra				15+2		
12.00				- do -	Tagu um	DS	08	-	1/20	1
12.00	_									
13.00				do_				-	573	4
14.00				- 10		DS	09	53		
15.00		1.	0		14:50	SPT	10	18+3	301	33

SIGN. OF THE CLIENT THE CONTRACT

For SWAYIN'S ASSOCIATES

77, SATYA NAGAR, BHUBÁNESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gratia

BORE HOLE NO. :- 06

LOCATION: -mahanandan SH

SHEET NO.:-

DATE OF START :- \$4, 7, 0

R. L. :-

DEPTHIN	DEPTH OF	вн	SESSECTION OF CAMPLE		SAMPLE		'N'	G. W.	REMARKS
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	KEMAKK
9.00	1500		Stanta continue	15:50	2 5.	10			
ZG.00			-do-	1600	SPT	11	-	3373	8
-			- 010	1700	23	11	71		
7.00			1.0	17:50	SPT	12	25+	35+4	0
8.00			-00 -	18:50	23	12	75		
9.00				1900	SPT	13	26+	387	12
/ - -			-do-	2005	SPT	14	28+	0 46+	47
(D.00)	20.05		B'H Terminated at the deapth of	1			83		75
26.00		5	at the deapth of						
2700			20.05 mlr					١.,	
-									
3.00									
21900						V			
219:00									
-									
20.00									
27.00									
283.00									
2900									
3500		0.							

SIGN. OF THE CLIENT TOVA TO

12/8/09

For SWAY N RASSOCIATES

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: Oil gratia BORE HOLE NO.: 05 LOCATION: maharand HEET NO.: 01

DATE OF START :- 28.07.09 DATE OF COMPL :- 29.07.09

DEPTH IN	DEPTHOF	вн	DESCRIPTION OF SAMPLE	SAMPLE W. G. W. REMARKS
MTRS.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMIFLE	DEPTH TYPE NO. VALUE OBSER
0.00	0.00	1	clasy sand	0.50 DS 01
.00			- do-	1.00 SPT 01 2+3+4 1.60 UDS 01 7
.00			- do-	250 SPT 02 3-15+6
.00	3:20		core sandwill	3.10 1/75 02 11
.00		(Travels and	4.00 SPT 03 6+8+10
.00			40	4.50 DS 02 18. S:50 SPT 04 9+12+13
5.00			- 40-	6000S 03 25
7.00			- do-	700SPT 05 9+15+18
8.00				750 DS 04 33 8:50 SPT 06 11+16+20
9.00			- do -	9.00 ns 05 36
10.00				1000 SPT 07 13+18+22
11.00	,		1	1050DS 06 40
12.00			-00-	11:50 SPT 08 15+21+25
13.00			-do-	130 SPT 09 15+24+29
14.00			-dn-	13:50 DS 08 53
15.00		9.	-10	1450 SPT 10 18726 732

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT: - Oil gralia BORE HOLE NO.: - 05

LOCATION: makoronda SHEET NO.:-

02

DATE OF START :- > TA

R. L. :-

				//		K.	L. :-			
DEPT	HIN	DEPTHOF	вн	DESCRIPTION OF SAMPLE		SAMPLE		'N'	G. W.	DEMARKS
MTR	S.	CHANGE OF STARTA	STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER	REMARKS
150.00		1500		Starta continue	15.00	DS	09			
16.00:					1600	SPT	11	•	30 t	35
	-			- do-	16:50	DS	10	65		
17.00		1		- do -	17:50	SPT	12	207	327	39
18.00				- 10 -	18.00	DS	11	71		
19.00				- do_	19-00	SPT	13	237	36+	42
2000				10	20:21	SP7	14	78	マブ-	145
	1	20.20		B.H. Terminated			11 -	85	2/,	93
2 9.00				at the deapth of						
23.00	_			20.20 mtr						
Z 3 .00										
										- 7
29,00							7			
200.00	_									
2800	_								=	
2200	_									
213.00	_	-								
21900										
315.00		to 8								

SIGN. OF THE CLIENT

For SWAVINE ASSOCIATES

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gnelia

BORE HOLE NO. :- 04

LOCATION :- Mahananda.11 SHEET NO. :-

DATE OF START :- 26.67.09 DATE OF COMPL :-27.07.09

R. L. :-

					K.	L. :-			
DEPTHIN MTRS.	DEPTH OF CHANGE OF	BH STARTA	DESCRIPTION OF SAMPLE		SAMPLE		VALUE	G.W. OBSER	REMARKS
	STARTA			DEPTH	TYPE	NO.	VALUE	OBSER	
0.00	0.00		clarg sory	0:50	DS	01			
. —				. 00	CDT	01	a /1 ,		
1.00			V	1.00	SPT	0)	2747	1_	
-			1	1.70	UDS	01	8		
2.00			-do-	2-00	SPT	02	7411	_	
	1		1 2	200	*31/	CA.	3 <i>141</i>	6	
3.00				3.20	WDS	02	10		
4.00				400	SPT	0.3	7+9+	12	
4.00	4.20		core song with			-	21		
5.00			gravelsand	100	,	02			
5.00			Fravels and pebels	2:30	SPT	04	10+1	5+18	
6.00				6.00	DS	03	33		
0.00				7.00	CPT	05	12+16	+19	
7.00				100			-	11/	-
			,	7.50	DS	04	35		
8.00			-90-	8:50	SPT	06	13+1	9+23	
_						-	41		-
9.00			1.00	1	208				į,
_			_ do -	vo.co	SPT	87	16+2	2+26	_
10.00			- 1/0				48		
-					05				
11.00				11.50	SPT	08	16 to	23/20	5
-			1		DS		57		_
12.00			-90-	na	W 5	0)	,		
13.00				17.M	CDT	00	10 1	, ,	
13.00				SW	3//	7	18 +24	1+30	
14.00			-90-	13:50	DS	08	54		
14.00							, ,		
15.00				1430	3//	10	20+2	\$ 73.	2

SIGN. OF THE CLIENT

For SWAYIN & ASSOCIATES

SWAYIN & ASSOCIATES
77, SATYA NAGAR, BHUBANESWAR
PHONE: (0674) 2503358, 2500115, 2512571
Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT:-Oil gralia

BORE HOLE NO. :- 04

LOCATION: -maharanda, SHEET NO .:-

02

DATE OF START :- 20 7 50

DATE OF COMPL :- 3 7.7.00

	[peneral					L, :-			
DEPTH IN MTRS.	DEPTH OF CHANGE OF	BH STARTA	DESCRIPTION OF SAMPLE		SAMPLE		'N' VALUE	G. W. OBSER	REMARKS
	STARTA		0 0	DEPTH		NO.	VALUE	UBSER	
0.00	15.00		starta continuo	1500	DS	09			
(d.00				1600	SPT	11	22+2	8+33	
P 1				16.30	DS	10-	61		
7.00				17.50	SPT	12	25+	36+38	3
\$2.00				1800			68		
-				1900	B1\$	13	28+3	35+3	9
9.00				19:50			74	70	+
000	20.05			20.05			31+	3874	_
	20.03		B.H Terminated at the deapthot			/ .	83	30 / 9	
\$.00 <u> </u>			20.05 mens						
9.00			20.05 intri						
1570									
500			*						
19.00					-				
/ -						*	-		
30.00					4				
g.00					gila (
7.00									
-									
16.00									
900									
5.00	1 0			- 4					

SIGN. OF THE CLIENT

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gnolia.

BORE HOLE NO. :- 03

LOCATION :- mahonorda 1, SHEET NO. :-

01

DATE OF START :- 25- 07- 07 DATE OF COMPL :-26.67-09

DEPTH IN MTRS.	DEPTH OF CHANGE OF	ВН	DESCRIPTION OF SAMPLE	SAMPLE			W.A	G. W.	90 A
	STARTA	STARTA		DEPTH	TYPE	NO.	VALUE	OBSER	REMARK
0.00	0.00		claege sond	0.50	DS	01			
1.00			0 /	1.00	SPT	01	2+3+	5	
2.00			- do-	1.60	CDS	0)	8		
-				2:50	SPT	02	3/5	+7	
3.00				3.20	ean	02	12		
4.00	1.70		core sand with	4.00	SPT	03	1191	12	
5.00	4.30		graveli and pebels	450	DS	02	21		
_		4		550	SPT	04	10+1	1+15	
6.00				600	1000		29		
7.00			-do-	100	9/	05	11+16	+18	
				7.50	DS	04	3		
8.00			-db-	8.50	SPT	06	12+18	120	
9.00			70	9.00			38		
				1000	SPT	07	13+20	122	
10.00			- Ao -	10:50	DS	06	42		
11.00				11.50	577	08	15ta	+20	
12.00				1200			48	720	
3.00			-40	13:00	SPT	09	18+25	+29	
-				13:50		08	54		
4.00									
5.00	10	4		14:50	5//	10	18+2	3+31	

77, SATYA NAGAR, BHUBANESWAR PHONE : (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil grava

BORE HOLE NO. :- 03

LOCATION: - mahananda SHEET NO .:-

02

DATE OF START :- 25-7.00 DATE OF COMPL :- 76. 7

R. L. :-

DEDTUN	DEPTHOF	вн		SAMPLE			'N'	G. W.	REMARKS
DEPTH IN MTRS.	CHANGE OF STARTA	STARTA		DEPTH	TYPE	NO.	VALUE	OBSER	KEMAKKO
5.00	15.00		continue starta	1500					
· -							20+3	0+35	
16.00			- do -	16.50	DS	10	65		
700				17.50	SPT	12	23+	36+3	38
_				1800	DS	11	74		
18.00	144.9		-90-	1900	517	13	747	38 +4	40
19.00			- do-	χο-α	ne	12	78		
19" -			-010-	20.00	227	12	26 +0	in the	
2800	20.20				DI/	17	82		
29.00			B.H Terminated af the deapth of	2			02	1	
29.00				9					
22.00			20.20 mer						
23.00			A DE BAN						
24.00	-					9			
1 -									
219.00									
28.00	_							1	
-	-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
27.00									
218.00	-								
	-								
29.00							,		
36500 L	_ 1								

SIGN. OF THE CLIENT ANGULA

For SWAYIN & ASSOCIATES

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- 010 gndia

BORE HOLE NO. :- 02

LOCATION: -mahanarda. SHEET NO.:-

DATE OF START :- 23.07.09

DATE OF COMPL :-24.07.09

R. L. :-

							10)1	- 7	· 80 M
MTRS CH	DEPTHOF	BH STARTA	DESCRIPTION OF SAMPLE	SAMPLE		'N'	G. W. OBSER	REMARKS	
	CHANGE OF STARTA			DEPTH	TYPE	NO.	VALUE	OBSER	
0.00	0.00		claer sand	0.50	DS	01			
.00		-		1.00	SPT	01	2+37	-3	
-					UDS		8		
.00			-do-	2:50	SPT	02	3/4	+6	
3.00				3.10	UDS	UL	1.5		
4.00				4.00	SPT	03	6+10	+12	-
	4-60	-	core sonals with	450	EPT	-04	9+1	R+15	
5.00			gravels and pebel	1830	DS	03	27	1,7,5	
6.00				100			11+1		
7.00			1		DS		200		
8.00			- do-				12+	10+	, ,
. –			_ do-	100000			- 35		7
9.00				1/			13+		2
10.00	-			10.5	DODS	06	3	8	
11.00	_		1	11.5	to SP	109	157	119+	25
12.00			-do-	121	W D	Sici		1	
				13.	co SP	TO	9 15+	22 to	28
13.00	-		_do-	13.	50 D	80.	3 5	C	
14.00	-			14	50 51	07/1	0 17-	128+	36
15.00	_ \	0						53	

SIGN. OF THE CLIENT

12/8/09

For SWAYIN ASSOCIATES

SWAYIN & ASSOCIATES

77, SATYA NAGAR, BHUBANESWAR
PHONE: (0674) 2503358, 2500115, 2512571
Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gnatia

BORE HOLE NO. :- 02

LOCATION: -maharonda

SHEET NO. :-

02

DATE OF START :-23 100 DATE OF COMPL :- 3-4.

	R. L. :-										
	DEPTH OF	90		SAMPLE			'N'	G. W.	REMARKS		
DEPTHIN MTRS.	CHANGE OF STARTA	BH STARTA	DESCRIPTION OF SAMPLE	DEPTH	TYPE	NO.	VALUE	OBSER			
9.00	15.00		starta continue	15.00	DS	09					
-				1600	SPT	11		30+3	\$		
H.00			_ 06 -	16:50	DS	10	63				
7.00			_ 1	17:50	SPT	12	25+	36#	12		
1,000			-do-		DS		7	8			
18.00			-d6.				267	387	44		
1 9.00			-d6.		e fr	1/1	8	4			
2600			6	SERVICE OF THE PERSON NAMED IN	SIST	1/19	28+	410 7.	46		
-	20.15		B:H terminated af the deapth of 20-15 mer	2			0				
2,6.00	-		af the deapth i	15							
2 2.00	_		20.15 1000			-					
33.00	-					w.					
2 3,00	-										
1'	-										
219.00	-										
218.00											
27.00	_										
	-										
23:00	_										
29.00	_				_						
36.00	_										

SWAYIN & ASSOCIATES
77, SATYA NAGAR, BHUBANESWAR
PHONE: (0674) 2503358, 2500115, 2512571
Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- Oil gralia

BORE HOLE NO. :- 0/

LOCATION: maheranda.11

SHEET NO. :-

DATE OF START :- 22.07.09 DATE OF COMPL :-23.07.09

R. L. :-

DEPTHIN DEPTHOF		DESCRIPTION OF SAMPLE		S	SAMPLE (GAV.	REMARKS
MTRS. CHANGE OF STARTA	- I SIARIA I	DEPTH	TYPE	NO.	VALUE	OBSER	T(Elli) ii d (e		
0.00	0.00		clasy sand	6.50	DS	01			
1.00			<i>V</i> .	1.00	SPT	01	2 <u>+3+</u>	4	
			-An -	1.60	UDS	01	7		
2.00			3-010	2:50	SPT	02	3+4-	16	
3.00			_ A6 -	3.00	UDS	102			
4.00			, , , ,	4.00	SPT	03	8+11	+13	
5.00	4.50		gravels and pere	25.00	DS	02	24		
5.00		(Jacobet & Cong person	550	SPT	04	11 +1	5+18	
6.00			1	6.50	DS	03	33		
7.00			-do-	7.00	SPT	05	131	6+19	
8.00				8.00	DS	04	35		
8.00			1	8:50	SPT	06	-	18 72	0
9.00			- do-		DS				
10.00					1		16+		22
11.00			-do-	100	DS	A 100 PM	3		1
_					SPT		-	24+	28
12.00			- do-	1	DS	1			
13.00				13.0	SP7	109	-	28 +	32
14.00			_ d6 -	1 3	200		-60		
15.00				145	SPT	10	22+	30+	35

SIGN. OF THE CLIENTY WYENES

For SWAYIN

77, SATYA NAGAR, BHUBANESWAR PHONE: (0674) 2503358, 2500115, 2512571 Web Site: www.swayinassociates.com

BORELOG DATA SHEET

PROJECT :- OPO. gratia BO

BORE HOLE NO. :- Of

02 -

LOCATION: -mahananda SHEET NO .:-

DATE OF START :- スタ・ワック
DATE OF COMPL :- からいい

R. L. :-

DEPTHIN	DEPTHOF	BH STARTA	DESCRIPTION OF SAMPLE		SAMPLE	1	'N'	G. W.	REMARKS
MTRS.	CHANGE OF STARTA			DEPTH	TYPE	NO.	VALUE	OBSER	
/30.00	15.00		starla continue	12:20	DS	09			
/d.00 -		3	4	1600	SPT	11	24+3	3/3	
_			_00	1700	100	10	68		
17:00			- Ao-	17:50	SPT	12	26+3	7+38	
18.00				24-241201	DS		73		
/9:00			_0/8-	19:00	SPT	13		36+4	0
//				20.00	DS	12	70		
2500 -	20.10		Q 11 To 10	2010	SPT	14	32+3	39+4	2
29.00			B.H. Terminated of the deapth of				81		
_			20.10 mer						- 4
2200									
28,00 -									
2400									
2700						*9			
29:00									
2600						46			
2.7.00									
25.00									
29.00									
36.00		0							

SIGN. OF THE CLIENT

17/8/09

For SWAYINES ASSOCIATES