

State Water and Sanitation Mission (Employer), Uttar Pradesh

(Final payments must invariably be made on forms printed on yellow paper which should not be used for intermediate payments)

FORM 27 RUNNING ACCOUNT BILL "B"

[see Chap X, Paragraphs 284, 288 and 289]

(For contractors and suppliers, this form provides only for payments for work or supplies actually measured)

Name of Contractor or supplier

Name of Work

S.No. & Date of this Bill

Main Agreement No.

Cover Agreement No.

Tax Prayer Name

M/s PNC-SPML JV

Implementation of various rural water supply projects in the state of Uttar Pradesh under the Jal Jeevan Mission District-Bahraich.

RA-01 / BASANTPUR UDAL dated 29-08-2022

:79/ED/2020-21 dated 13-03-2021

:239/ED/21-22/III Dated: 17/01/2022

M/s PNC-SPML JV

Passed & Charged To: Basantpur Udal a/c Scheme

JTM Bahraich

ASSISTANT ENGINEER
DIVISION OFFICE JAM
P JAL NIGAM RURAL GONDA

BOQ OF BLOCK : NAWABGANJ, PANCHYAT : BASANTPUR UDAL, VILLAGE : BASANTPUR UDAL, DISTRICT : BAHRACH

Items of work (Grouped under "Sub - heads" to estimate		Unit	Quoted		BOQ Quantity	BOQ Value	Quantity executed or supplied till last certificate (Previous Bill)	Qunatity executed or supplied since last certificates (This Bill)	Quantity executed or supplied up to- date (Cumm)	Amount			Remarks
			Rate	% of payment schedule						Up to date (Previous Bill) New Schedule-J	Since previous bills (This Bill)	Up to date (Cummr]	
1		2	3		4	5	6		7	8	9	10	11
Item no.	Item Description												
2.00	Drilling of Borehole for Tubewell construction by DC/RC/DTH Rig Machine including transportaion, erection, dismantling of Rig and assosiated T&P complete in all respect including required all material labour etc.												
2.01	Transportation, Installation Dismantling of Rig machine and logging of bore hole		186,145.65	100%	1.00	186,145.65		1.00	1.00	-	186,145.65	186,145.65	
2.02	Tube well construction				-	-			-	-	-	-	
2.03	DC/RC Drilling up to 100Mtr.				-	-			-	-	-	-	
2.07	600 MMØ		2,393.42	100%	100.00	239,342.38		100.00	100.00	-	239,342.38	239,342.38	
2.08	DC/RC Drilling from 101 Mtr. To 200 Mtr.Deep				-	-			-	-	-	-	
2.09	450 MMØ		2,180.80	100%	80.00	174,463.89		90.00	90.00	-	196,271.87	196,271.87	
2.10	500 MMØ		2,384.46	100%	-	-			-	-	-	-	
2.11	600 MMØ		2,791.79	100%	20.00	55,835.71		10.00	10.00	-	27,917.86	27,917.86	
2.12	DC/RC Drilling from 201 Mtr. To 300 Mtr.Deep				-	-			-	-	-	-	
2.13	450 MMØ		2,848.98	100%	20.00	56,979.53		20.00	20.00	-	56,979.53	56,979.53	
New Item 2.25	Cement sealing work		20,000.00	100%	1.00	20,000.00		1.00	1.00	-	20,000.00	20,000.00	
New Item 2.26	Supply & lowering of 90 mm dia UPVC gravel feed pipe		1,000.00	100%	242.00	242,000.00		215.00	215.00	-	215,000.00	215,000.00	
3.00	Tubewell Assembly:				-	-			-	-	-	-	
3.01	MSERW plain pipe,As per IS 4270				-	-			-	-	-	-	
3.03	150 MMØ				130.00	246,530.70				-	-	-	
	On Supply & Delivery		1,896.39	70%	-	-	128.00	60.46	127.54	127.50	169,916.54	169,916.54	
	On Completion/Erection/Fixing/Laying/Joining		1,896.39	20%	-	-					48,357.95	48,357.95	
	On Completion of Testing		1,896.39	5%	-	-					12,089.49	12,089.49	
3.05	300 MMØ				40.00	151,711.20				-	-	-	
	On Supply & Delivery		3,792.78	70%	-	-	42.00	0.28	42.28	111,507.73	743.38	112,251.12	
	On Completion/Erection/Fixing/Laying/Joining		3,792.78	20%	-	-			42.28	-	32,071.75	32,071.75	
	On Completion of Testing		3,792.78	5%	-	-			42.28	-	8,017.94	8,017.94	
3.06	MSERW Pipe slotted pipe as per IS 8110				-	-			-	-	-	-	
3.08	150 MMØ				30.00	83,840.40				-	-	-	
	On Supply & Delivery		2,794.68	70%	-	-	30.00	0.16	30.16	58,688.28	313.00	59,001.28	
	On Completion/Erection/Fixing/Laying/Joining		2,794.68	20%	-	-			30.16	-	16,857.51	16,857.51	
	On Completion of Testing		2,794.68	5%	-	-			30.16	-	4,214.38	4,214.38	
3.11	MS fittings such as clamp, bail plug, reducer, well cap, girder & support structure			100%	1.00	32,233.64				-	-	-	
	On Supply & Delivery		32,233.64	70%	-	-	1.00		1.00	22,563.55	-	22,563.55	



	On Completion/Erection/Fixing/Laying/Joining		32,233.64	20%	-	-		1.00	1.00	-	6,446.73	6,446.73	
	On Completion of Testing		32,233.64	5%	-	-		1.00	1.00	-	1,611.68	1,611.68	
3.12	MS fittings such as ring & centre guide				200.00	94,156.76				-	-	-	
	On Supply & Delivery		470.78	70%	-	-	200.00	0.18	200.18	65,909.73	59.32	65,969.05	
	On Completion/Erection/Fixing/Laying/Joining		470.78	20%	-	-		200.18	200.18	-	18,848.30	18,848.30	
	On Completion of Testing		470.78	5%	-	-		200.18	200.18	-	4,712.08	4,712.08	
4.00	Lowering of above assembly with welding of parts complete in all respect with all required material, T&P, labour, etc.				-	-				-	-	-	
4.01	Lowering up to 100 Mtr. Deep				-	-				-	-	-	
4.03	150 MMØ MSERW Plane/Slotted Pipe		357.32	100%	60.00	21,439.19		57.72	57.72	-	20,624.50	20,624.50	
4.04	200 MMØ MSERW Plane/Slotted Pipe		421.20	100%	-	-				-	-	-	
4.05	300 MMØ MSERW Plain/Slotted Pipe		485.08	100%	40.00	19,403.06		42.28	42.28	-	20,509.04	20,509.04	
4.06	Lowering from 101 Mtr. To 200 Mtr. Deep				-	-				-	-	-	
4.07	150 MMØ MSERW Plane/Slotted Pipe		375.29	100%	100.00	37,528.56		100.00	100.00	-	37,528.56	37,528.56	
4.10	Lowering from 201 Mtr. To 300 Mtr. Deep				-	-				-	-	-	
4.11	150 MMØ MSERW Plane/Slotted Pipe		384.46	100%	-	-		0.18	0.18	-	69.20	69.20	
5.00	Supplying and unconsolidated packing of gravel with suitable size		7,485.75	100%	24.00	179,658.00		22.00	22.00	-	164,686.50	164,686.50	
6.00	Development of Tube well				-	-				-	-	-	
6.03	Transportation, Installation Dismantling of 250/400/600 PSI Compressor		68,485.63	100%	1.00	68,485.63		1.00	1.00	-	68,485.63	68,485.63	
6.05	Charges for Development by 400 PSI Compressor per hour		3,308.27	100%	50.00	165,413.62		48.00	48.00	-	158,797.07	158,797.07	
6.09	Transportation, Installation Dismantling of 1/3 Cusec OP Unit and Yield test, water te		101,410.45	100%	1.00	101,410.45		1.00	1.00	-	101,410.45	101,410.45	
6.10	Charges for Development of TW by 1 cusec OP Unit		932.78	100%	100.00	93,278.43		98.00	98.00	-	91,412.86	91,412.86	
7.00	SITC of Pumping plant including pumps with motors starter, panel, cable,				-	-				-	-	-	
7.08	15 HP				1.00	251,621.01				-	-	-	
	Supply of Tubewell Pumps with Motors Starter Panel		251,621.01	70%	-	-		1.00	1.00	-	176,134.71	176,134.71	
13.06	100 mm Dia size - MS pipe		1,564.02		24.00	37,536.54				-	-	-	
	On supply & delivery of Column pipe of MS/GI Pipe for connecting submersible pumps			70%	-	-		24.00	24.00	-	26,275.54	26,275.54	
65.00	Additional Work				-	-				-	-	-	
65.04	Supply DG Set of Capacity -40KVA				1.00	483,000.00				-	-	-	
	Supply		483,000.00	70%	-	-		1.00	1.00	-	338,100.00	338,100.00	
TOTAL						8,609,233.13				428,585.84	2,299,371.12	2,727,956.95	
										Gross Bill Amount			
										428,585.84			2,727,956.95
										Add: CGST @ 9%			245,516.13
										38,572.73			245,516.13
										Add: SGST @ 9%			245,516.13
										38,572.73			245,516.13
										LESS TDS @ 0.1%			2,727.96
										428.59			2,727.96
										Gross Bill Amount including GST			3,216,261.25
										505,302.70			3,216,261.25

For PNC-SPML JV

Rakesh Tiwari
Project Manager



Verified By-

1-Master Bill no.
2-Abstract on MB no.

at page no. 1 to 6
at page no. 6 to 8

29/08/22
(J.E.)

Total - ₹ 2299443.17
TDS GST - ₹ 413899.77

G.Total - ₹ 2713342.94
804 - ₹ 2713342.00



PARTICULARS	Detail of Actual Measurements				Contents of Area
	No.	L.	B.	C.	
Name of work	Basantpur Udal		W/S	Scheme	Bst 1 Bahraich 55m
Situation	Basantpur Udal				
Agency	Cours bad: 239/EP/21-22 date 17-01-22				
Name of contractor	M/S	PNC	SPMC	SV	
Name of subordinate	R.S. Prasad				
Date of measurement	17.1.22				
Transportation of	1	X	170b		108m
Fig m/c at site					mtr taken by me 17-1-22
Name of work	Basantpur Udal		W/S	Scheme	Bahraich 55m
Situation	Basantpur Udal				
Agency	Cours bad: 239/EP/21-22 date 17-01-22				
Name of contractor	M/S	PNC	SPMC	SV	
Name of subordinate	R.S. Prasad				
Date of measurement	24.1.22				
Drilling of 600mm	1	X	3 X	36	108 mtr
bore from 0 to 110mtr	1	X	2		2 mtr
					110 mtr
Drilling of 450mm	1	X	3	X 73	219 mtr
bore from 110mtr to	1	X	1		1 mtr
220mtr					220 mtr
					110 mtr
					110 mtr
					mtr taken by me 24-1-22
Name of work	Basantpur Udal		W/S	Scheme	Bahraich 55m
Situation	Basantpur Udal				
Agency	Cours bad: 239/EP/21-22 date 17-01-22				
Name of contractor	M/S	PNC	SPMC	SV	
Name of subordinate	R.S. Prasad				
Date of measurement	24.1.22				



PARTICULARS	Detail of Actual Measurements				Contents of Area
	No.	L.	B.	C.	
Logging of bore hole AHL to 220 mtr BHL	1	X	150b		150b mts taken by 24-1-22
Name of work Situation	Basantpur Udal w/s scheme Basantpur Udal				Distt Bahraich
Agency	Cover bond: 239/ED/21-22 date-				A-01-22
Name of contractor	M/s PNC-SPMC-3				
Name of subordinate	R.S. Prasad				
Date of measurement	27.1.22				
150mm plain pipe actual length	lot	1	X	1 X	27.54 mtr
300mm Hosing pipe actual length	lot	1	X	1 X	42.20 mtr
150 mm knotted pipe actual length	lot	1	X	1 X	30.16 mtr
Accessories of T/W Assembly	1	X	150b		150b mts taken by me 27-1-22
Name of work Situation	Basantpur Udal w/s scheme Basantpur Udal				Bahraich Jm
Name of contractor	Cover bond: 239/ED/21-22 date-				A-01-22
Name of subordinate	R.S. Prasad				
Date of measurement	28.1.22				
Supply of chulha for gravel	1 x 0.09 m x 0.02 m x 0.57 -				23.15 cum
				-5% Bulkyage =	1.15 cum
				Net volume =	22.00 cum
					28-1-22
Name of work Situation	Basantpur Udal w/s scheme Basantpur Udal				Bahraich Jm
Agency	Cover bond: 239/ED/21-22 date-				A-01-22



03

PARTICULARS	Detail of Actual Measurements				Contents of Area
	No.	L.	B.	C.	
Name of contractor	M/S	PNC-	SPML	JV	
Name of Subordinate	R.S.	Prasad			
Date of measurement	29.1.22				
Laying of 300 x 150 mm					Total drawing
Assembly As per AE					192.68 mtr
Page No.					0.5 mtr
					200.18 mtr
Supply and Laying of	1	X	215		215 RMT
90 mm PVC Pipe					
Shrouding of pea					
Gravel from 220 mtr	1	X	1500		1500
to 109 mtr 106 mtr					mtr taken By me
					29-1-22
Name of work	Basantpur Udal w/ Scheme Bahrich JM				
Situation	Basantpur Udal				
Agency	Cover board 239/ED/21-22 date 17-01-22				
Name of contractor	M/S	PNC-	SPML	JV	
Name of Subordinate	R.S.	Prasad			
Date of measurement	30.1.22				
Filling of Gravel	1	X	1500		1500
from 106 to 109 mtr to 105 mtr					mtr taken By me
					30-1-22
Name of work	Basantpur Udal w/ Scheme Bahrich JM				
Situation	Basantpur Udal				
Agency	Cover board 239/ED/21-22 date 17-01-22				
Name of contractor	M/S	PNC-	SPML	JV	
Name of Subordinate	R.S.	Prasad			
Date of measurement	01-2-22				
Filling of Citrus Soil	1	X	1500		1500
from 105 to 220 mtr					mtr taken By me
B/C					1-2-22





04

PARTICULARS	Detail of Actual Measurements				Contents of Area
	No.	L.	B.	C.	
Name of work	Basantpur Udal w/s scheme				Bahraich Jom
Situation	Basantpur Udal				
Agency	Center bad: 239/ED/21-22				date: 17-01-22
Name of Contractor	M/S PNC - SPMC - JV				
Name of Subordinate	R.S. Prasad				
Date of measurement	2.2.22				
Dismantling of rig mic from site	1	X	1 Job		1 Job Mts taken By me 2-2-22
Name of work	Basantpur Udal w/s scheme				Bahraich Jom
Situation	Basantpur Udal				
Agency	Center bad: 239/ED/21-22				date: 17-01-22
Name of Contractor	M/S PNC - SPMC - JV				
Name of Subordinate	SATYAM MISHRA				
Date of measurement	21.6.22				
Transportation of air compressor at site	1	X	1 Job		1 Job Mts taken By me 21.6.22
Name of work	Basantpur Udal w/s scheme				Bahraich
Situation	Basantpur Udal				
Agency	Center bad: 239/ED/21-22				date: 17-01-22
Name of Contractor	Basantpur Udal w/s scheme				Bahraich Jom
Name of Subordinate	SATYAM MISHRA				
Date of measurement	26.6.22				
Development of the by air compressor	1	X	48 hr		48 hr
Dismantling of air compressor from site	1	X	1 Job		1 Job Mts taken By me 26.6.22
Name of work	Basantpur Udal w/s scheme				Bahraich Jom
Situation	Basantpur Udal				



PARTICULARS	Detail of Actual Measurements				Contents of Area
	No.	L.	B.	C.	
Agency	Cour	bad!	239/ED/21-22	date	17-01-22
Name of contractor	M/s	PNC	SPMC-JM		
Name of subordinate	SATYAM MISHRA				
Date of measurement	3.7.22				
Transportation of o.p	1	X	150b		150b
uid at site					mts taken by me
					Encl 3.7.22
Name of work	Basantpur Udal	wp	schene	Bahraich JM	
Situation	Basantpur Udal				
Agency	Cour	bad!	239/ED/21-22	date	17-01-22
Name of contractor	M/s	PNC	SPMC-2		
Name of subordinate	SATYAM MISHRA				
Date of measurement	12.7.22				
Development of T/c by op.	1	X	98 hr		98 hr
Dismantling of o.p	1	X	150b		150b
uid					mts taken by me
					Encl 12.7.22
Name of work	Basantpur Udal	wp	schene	Bahraich JM	
Situation	Basantpur Udal				
Agency	Cour	bad!	239/ED/21-22	date	17-01-22
Name of contractor	M/s	PNC	SPMC-JV		
Name of subordinate	SATYAM MISHRA				
Date of measurement	25-8.22				
Supply of pumping plant 15HP	1	X	1set		1set
100mm - ms pipe	clot	1	X 1		24 mts
					mts taken by me
					Encl 25-8.22
Name of work	Basantpur Udal	wp	schene	Bahraich JM	
Situation	Basantpur Udal				



PARTICULARS

Detail of Actual Measurements

Contents of Area

	No.	L.	B.	C.	
Agency	Gurband 1 229/150/21-22 date - 17-01-22				
Name of contractor	M/S PNC-SPMC-JV				
Name of subordinate	SATYAM MISRA				
Date of measurement	26-8-22				
Supply of PU set - Yokuba	1	X	1 set		1 set
					M/S Jagan K...
					Sri 26/8/22
Abstract of Bill No. RA-02/Basantpur udal on dt 29/8/22					
of M/S PNC-SPMC-JV mts on page no. 1 to 6					Some m.B
1. Transportation installation Bisma-1 job @ 186145.65					186145.65
thing of Rig m/c and					
lagging bore hole					
2. T/W Construction					
Drilling upto 100 mtr					
600 mmφ	100@	2393.42			239342.38
Drilling from 101 mtr to 200 mtr					
450 mmφ	90 @	2180.80			196271.87
600 mmφ	10 @	2791.79			27917.86
Drilling from 201 mtr to 300 mtr					
450 mmφ	20 @	2848.98			56979.53
3. Cement sealing work	100 @	20000			20000.00
4. Supply & Laying of	215 @	1000			215000.00
90 mmφ PVC pipe					
5. T/W Assembly					
150 mmφ plain pipe	(0.46) @	1896.39 of 70%			(-) 610.64
150 mmφ plain pipe	127.5 @	1896.39 of 25%			60447.44
300 mmφ Hosing pipe	0.28 @	3792.78 of 70%			60447.44
300 mmφ Hosing pipe	42.28 @	3792.78 of 25%			743.38
6. MSEFW slopped pipe					40089.69
150 mmφ Slotted pipe	0.16 @	2794.68 of 70%			313
150 mmφ Slotted pipe	30.16 @	2794.68 of 25%			21071.89



07

PARTICULARS	Detail of Actual Measurements				Contents of Area
	No.	L.	B.	C.	
7. ms fitting such as -	1506 @	222	33.64	of 28%.	8058.41
clamp bail plug reducer					
8. m.s fitting such as	0.18 @	470	78	of 70%.	59.32
ring & center guide	200.18 @	470	78	of 88%.	23560.38
8. Supply & packing of pea gravel	22 @	7485.78		of 100%.	164686.50
9. Lowering of above assembly					
Dropping upto 150mm plain	57.72 @	387	32		20624.50
300mm ms ERW fls pipe	42.28 @	485	08		20509.04
Lowering from 10 mtr to					
200 mtr Deep					
150 mm ms ERW fls pipe	100 @	375	29		37528.56
Lowering from 20 mtr to					
300 mtr					
150 mm ms ERW fls pipe	0.18 @	384	46		69.20
11. Development of T/W					
(a) Transportation installation	1506 @	648	5.63		68485.63
Dismantling of air					
Compressor					
(b) Charges for Development of T/W by air	48 @	3308	21		158797.07
Compressor					
(c) Transportation installation	1506 @	1014	10.45		101410.45
Dismantling of o.f well					
(d) Charges for Development of T/W by o.f	98 @	932	78		91412.86
well					
12. Supply of pumping plant	184 @	251621	01	of 70%	176134.71
15 HP					
13. 100 mm - ms pipe	24 @	1564	02	of 70%	26295.54
14. Supply on set - Vokua	1 @	483000		of 70%.	338100.00





Jal Jeevan Mission

Har Ghar Jal



State Level Water Analysis Laboratory, U.P Jal Nigam (Rural), Lucknow

6 Rana pratap Marg Lucknow
9936065451

Test report

Sample ID

U315748L15856678427

User Information

Name

PNC SPML JV-BAH

Mobile:

7909004672

Email:

qclkowp@pncinftratech.com

Pin
Code:

271801

Full
Address:

House No- 141,Village- ,Gram Panchayat-BARAGUNNU, Block- CHITAURA,District- BAHRAICH,State- UTTAR PRADESH

Sample description

Source
of
Sample:

Tube well / Bore well

Village:

~~BARAGUNNU~~ BASANTPUR

Gram
Panchayat:

~~BARAGUNNU~~ BASANTPUR

Block:

~~CHITAURA~~ NAWABGANJ

District:

BAHRAICH

State:

UTTAR PRADESH

Address:

141 Suffipura 271801

Remarks:

P696- BASANTPUR UDAL, BLOCK-NAWABGANJ,

Latitude:

Longitude:

Date & time of sample collection

12.07.22 | 05:00 PM

Date & time of sample received in lab

15.07.22 | 01:30 PM

Date & time of sample analysed

02.08.22, | 12:25 PM

Date & time of report generation

02.08.22 | 04:10 PM

Test results

Report no

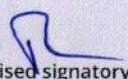
6678427

S. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
1	pH	NA	6.5-8.5	No Relaxation	7.45	
2	Turbidity	NTU	1	5	2.50	
3	TDS	Milligram/liter	500	2000	416	
4	Chloride (as Cl)	Milligram/liter	250	1000	14.68	

S. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
5	Total Alkalinity (as Calcium Carbonate)	Milligram/liter	200	600	375	
6	Total Hardness (As CaCO ₃)	Milligram/liter	200	600	230	
7	Fluoride (as F)	Milligram/liter	1	1.5	0.41	
8	Sulphate (as SO ₄)	Milligram/liter	200	400	1	
9	Nitrate (as NO ₃)	Milligram/liter	45	No Relaxation	0.13	
10	Boron (as B)*	Milligram/liter	0.5	1	0.044	
11	Total Chromium (As Cr)*	Milligram/liter	0.05	No Relaxation	0.0001	
12	Iron (As Fe)	Milligram/liter	1	No Relaxation	0.011	
13	Nickel (As Ni)*	Milligram/liter	0.02	No Relaxation	0.0002	
14	Copper (As Cu)*	Milligram/liter	0.05	1.5	0.0004	
15	Zinc (As Zn)*	Milligram/liter	5	15	0.001	
16	Total Arsenic (As As)	Milligram/liter	0.01	No Relaxation	0.003	
17	Cadmium (As Cd)*	Milligram/liter	0.003	No Relaxation	0.00001	
18	Lead (as Pb)*	Milligram/liter	0.01	No Relaxation	0.00005	

Note:

- 1)*indicates parameters that are not NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report


 Authorised signatory
 Anil kumar

Jal Jeevan Mission aims at potable tap water supply to every home

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

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BOQ OF BLOCK :NAWABGANJ , PANCHYAT : BASANTPUR UDAL , VILLAGE : BASANTPUR UDAL, DISTRICT : BAHRAICH										
Item. No	Item Description	UOM	Quantity	SWSM Rate	Discounted Rate @ 0.19%	Total BOQ Value	% of Payment allowed as per RFP	Proposed billing Breakup	% of Payment Proposed	Amount
1.00	SURVEY									
1.01	All the works including Hydrological survey, topographical survey, Design charges including preparation and approval of DPR	LS		1%of ECV	1%of ECV	3,38,803.93	100%	On completion of topographical survey On preparation and approval of DPR On submission and approval of Design & Drawings	50% 25% 25%	1,69,401.96 84,700.98 84,700.98
2.00	Drilling of Borehole for Tubewell construction by DC/RC/DTH Rig Machine including transportation, erection, dismantling of Rig and associated T&P complete in all respect including required all material labour etc.						100%	On Completion of job	100%	9,74,767.16
2.01	Transportation, Installation Dismantling of Rig machine and logging of bore hole	Job	1.00	1,86,500.00	1,86,145.65	1,86,145.65				
2.02	Tube well construction									
2.03	DC/RC Drilling up to 100Mtr.									
2.07	600 MMØ	Mtr.	100.00	2,397.98	2,393.42	2,39,342.38				
2.08	DC/RC Drilling from 101 Mtr. To 200 Mtr.Deep									
2.09	450 MMØ	Mtr.	80.00	2,184.95	2,180.80	1,74,463.89				
2.11	600 MMØ	Mtr.	20.00	2,797.10	2,791.79	55,835.71				
2.12	DC/RC Drilling from 201 Mtr. To 300 Mtr.Deep									
2.13	450 MMØ	Mtr.	20.00	2,854.40	2,848.98	56,979.53				
New Item 2.25	Cement sealing work	Job	1.00	20,000.00	20,000.00	20,000.00				
New Item 2.26	Supply & lowering of 90 mm dia UPVC gravel feed pipe	RM	242.00	1,000.00	1,000.00	2,42,000.00				
3.00	Tubewell Assembly:						100%	On Supply & Delivery On Completion/Erection/Fixing/Laying/Joining On Completion of Testing On Commissioning	70% 20% 5% 5%	4,25,930.89 1,21,694.54 30,423.64 30,423.64
3.01	MSERW plain pipe, As per IS 4270									
3.03	150 MMØ	Mtr.	130.00	1,900.00	1,896.39	2,46,530.70				
3.05	300 MMØ	Mtr.	40.00	3,800.00	3,792.78	1,51,711.20				
3.06	MSERW Pipe slotted pipe as per IS 8110									
3.08	150 MMØ	Mtr.	30.00	2,800.00	2,794.68	83,840.40				
3.11	MS fittings such as clamp, ball plug, reducer, well cap,	LS	1.00	32,295.00	32,233.64	32,233.64				
3.12	MS fittings such as ring & centre guide	RM	200.00	471.68	470.78	94,156.76				
4.00	Lowering of above assembly with welding of parts complete in all respect with all required material, T&P, labour, etc.						100%	On completion of job	100%	78,370.81
4.01	Lowering up to 100 Mtr. Deep									
4.03	150 MMØ MSERW Plane/Slotted Pipe	Mtr.	60.00	358.00	357.32	21,439.19				
4.05	300 MMØ MSERW Plane/Slotted Pipe	Mtr.	40.00	486.00	485.08	19,403.06				
4.06	Lowering from 101 Mtr. To 200 Mtr. Deep									
4.07	150 MMØ MSERW Plane/Slotted Pipe	Mtr.	100.00	376.00	375.29	37,528.56				
5.00	Supplying and unconsolidated packing of gravel with suitable size	Cum	24.00	7,500.00	7,485.75	1,79,658.00	100%	On completion of job	100%	1,79,658.00
6.00	Development of Tube well						100%	On completion of job	100%	4,28,588.13
6.03	Transportation, Installation Dismantling of 250/400/600 PSI Compressor	Job	1.00	68,616.00	68,485.63	68,485.63				
6.05	Charges for Development by 400 PSI Compressor per hour	Hr.	50.00	3,314.57	3,308.27	1,65,413.62				
6.09	Transportation, Installation Dismantling of 1/3 Cusec OP Unit and Yield test, water test	Job	1.00	1,01,603.50	1,01,410.45	1,01,410.45				
6.10	Charges for Development of TW by 1 cusec OP Unit	Hr.	100.00	934.56	932.78	93,278.43				
7.00	SITC of Pumping plant including pumps with motors starter, panel, cable, complete in all respect with all required material T&P labour etc.						100%	Supply of Tubewell Pumps with Motors Starter Panel Supply of Cable for Tubewell set in all respect On Completion of Installation and testing in all respect. On Commissioning	70% 10% 15% 5%	1,76,134.71 25,162.10 37,743.15 12,581.05
7.08	15 HP	Nos.	1.00	2,52,100.00	2,51,621.01	2,51,621.01				
8.00	Pressure Transmitter	Nos.	1.00	43,120.00	43,038.07	43,038.07	100%	Supply of Tubewell Pumps with Motors Starter Panel Supply of Cable for Tubewell set in all respect On Completion of Installation and testing in all respect. On Commissioning	70% 10% 15% 5%	30,126.65 4,303.81 6,455.71 2,151.90

Item. No	Item Description	UOM	Quantity	SWSM Rate	Discounted Rate @ 0.19%	Total BOQ Value	% of Payment allowed as per RFP	Proposed billing Breakup	% of Payment Proposed	Amount
9.00	Electrically operated Sluice Valve PN 1.0 dia 100 mm	Nos.	2.00	1,25,000.00	1,24,762.50	2,49,525.00	100%	On Supply & Delivery	70%	2,98,695.26
								On Completion/Erection/Fixing/Laying/Joining	20%	85,341.50
								On Completion of Testing	5%	21,335.38
								On Commissioning	5%	21,335.38
9.02	Electrically operated Sluice Valve PN 1.0 dia 200 mm	Nos.	1.00	1,50,000.00	1,49,715.00	1,49,715.00				
9.03	Check Valve PN 1.0 DPCV dia 100 mm	Nos.	1.00	27,519.80	27,467.51	27,467.51				
9.09	SITC of Chain Pulley Blocks									
9.10	1 Tonne	Nos.	1.00	46,305.00	46,217.02	46,217.02	100%	On Supply & Delivery	70%	32,351.91
								On Completion/Erection/Fixing/Laying/Joining	20%	9,243.40
								On Supply & Delivery	70%	1,90,736.91
								On Completion/Erection/Fixing/Laying/Joining	20%	54,496.26
								On Completion of Testing	5%	13,624.07
								On Commissioning	5%	13,624.07
10.00	Turbidity & Chlorine analyzer	Nos.	1.00	2,73,000.00	2,72,481.30	2,72,481.30	100%	On Supply & Delivery	70%	88,032.42
								On Completion/Erection/Fixing/Laying/Joining	20%	25,152.12
								On Completion of Testing	5%	6,288.03
								On Commissioning	5%	6,288.03
11.00	Providing and installation hydrostatic level sensor at all tubewell pumping system including all accessories etc. complete in all respect as per instructions of Engineer -in -charge.	Nos.	1.00	1,26,000.00	1,25,760.60	1,25,760.60	100%	On Supply & Delivery	70%	88,032.42
								On Completion/Erection/Fixing/Laying/Joining	20%	25,152.12
								On Completion of Testing	5%	6,288.03
								On Commissioning	5%	6,288.03
12.00	Stabalizer						100%	On Supply & Delivery	70%	-
								On Completion/Erection/Fixing/Laying/Joining	20%	-
								On Completion of Testing	5%	-
								On Commissioning	5%	-
13.00	SITC of Column pipe of MS pipe for connecting submersible pumps						100%	On supply & delivery of Column pipe of MS/GI Pipe for connecting submersible pumps	70%	26,275.58
								Completion of erection/fixing	20%	7,507.31
								On Completion of Testing	5%	1,876.83
								On Commissioning	5%	1,876.83
13.06	100 mm Dia size - MS pipe	Mtr.	24.00	1,567.00	1,564.02	37,536.54				
14.00	Supply , Installation of chlorinating system with dosing pump 0-6 LPH capacity with 100 Litres(1w+1s) tanks, valves ,pipes with required accessories (Automatic Dosing System for chemical injection)	JOB	1.00	1,12,000.00	1,11,787.20	1,11,787.20	100%	On supply & delivery of chlorinating system with dosing pump 0-6 LPH capacity with 100 Litres(1w+1s) tanks, valves ,pipes with required accessories (Automatic Dosing System for chemical injection)	80%	89,429.76
								Completion of erection of chlorinating system	10%	11,178.72
								On Completion of Testing	5%	5,589.36
								On Commissioning	5%	5,589.36
19.00	Internal electrification of tube well	LS	1.00	20,000.00	19,962.00	19,962.00	100%	On completion of job	100%	19,962.00
20.00	SITC of Solar power plant (for complete plant) including solar pannel, Structure, invertor etc. complete in all respect with required material, T&P labour	KW	23.00	86,800.00	86,635.08	19,92,606.84	100%	On Supply & Delivery of Solar Panel System	70%	13,94,824.79
								Completion of Erection of Solar Panel System	20%	3,98,521.37
								On Completion of Testing	5%	99,630.34
								On Commissioning	5%	99,630.34
21.00	Construction of 1.3 m high and 115mm thick boundary wall with 230 mmx230 mm thick pillar made in Brick masonry in 1 cement and 4 sand mortar, the spacing between two pillar should not be more than 3.0 m c/c and the depth of foundation should not be less than 0.60m, at the site of water works as per departmental type design and drawing, and, as per specifications given in the bid document including supply of all materials, labour T&P etc.for proper completion of work as per instructions of Engineer -in - charge. (Drawing No.D-1)	Rmt	137.70	6,400.00	6,387.84	8,79,605.57	100%	Excavation of Boundary wall Foundation	10%	87,960.56
								PCC for Foundation	10%	87,960.56
								Supply of raw material/Precast panel	50%	4,39,802.78
								Construction of wall/Precast panel erection	20%	1,75,921.11
								Finishing & other work	10%	87,960.56
22.00	Supply and fixing of 3.6 m x 1.20 m MS gate including fabrication and supply of steel and construction of boundary wall pillars of size 1.35mx0.23mx0.23m with ornamental brick work 115mm thk.around RCC, as per departmental type design and drawing (Drawing No. D-1) and as per specifications laid down in the bid document, including supply of all material, labour,T&P etc.required for proper completion of work as per instructions of Engineer-in-charge.	No.	1.00	52,000.00	51,901.20	51,901.20	100%	Supply of MS Gate	70%	36,330.84
								Erection/Fixing of MS Gate	30%	15,570.36
23.00	Supply and fixing of 1.2m wide MS wicket gate Including fabrication and supply of steel and construction of boundary wall pillars etc. as per specifications laid down in the bid document, including supply of all material, labour,T&P etc.required for proper completion of work as per instructions of Engineer-in-	No.	1.00	19,000.00	18,963.90	18,963.90	100%	Supply of MS Gate	70%	13,274.73
								Erection/Fixing of MS Gate	30%	5,689.17
24.00	Construction of Interlocking pavement for approach to water works, as per departmental type design and drawing and as per specifications laid down in the bid document, including supply of all materials , labour, T&P etc.required for proper completion of work as per instructions of Engineer -in -charge.	Sqm.	297.50	1,070.50	1,068.47	3,17,868.65	100%	On completion of work	100%	3,17,868.65

Item. No	Item Description	UOM	Quantity	SWSM Rate	Discounted Rate @ 0.19%	Total BOQ Value	% of Payment allowed as per RFP	Proposed billing Breakup	% of Payment Proposed	Amount
25.00	Construction of granular sub base by providing coarse grade materials, spreading in uniform layers including watering and compaction complete.	Cum	59.50	2,800.00	2,794.68	1,66,283.46	100%	On completion of work	100%	1,66,283.46
26.00	Construction of WBM by providing grade materials, spreading in uniform layers including watering and compaction complete.	Cum	29.75	3,029.00	3,023.24	89,941.54	100%	On completion of work	100%	89,941.54
28.00	Provision for inside semicircular drain 200mm dia including supply of all materials, labour and T & P etc. complete.	Rmt	137.70	1,607.14	1,604.09	2,20,882.70	100%	On completion of work	100%	2,20,882.70
29.00	Provide all materials, labour, T&P etc. complete and construct Pump house size (3.6x3.0x3.0)m Chlorinating room size (2.0x1.8x3.0)m as per departmental type design and drawing (drawing no-D-2) and as per the specifications for civil work given in the bid document, including supply of all material, labour and T&P etc complete as per Instructions of Engineer -in - charge.	Job	1.00	6,35,000.00	6,33,793.50	6,33,793.50		Foundation up to plinth level 25% Completion of superstructure 35% Finishing Civil work 20% Electrical Installation 20%	Excavation for Foundation 10% PCC for Foundation 5% RCC substructure work upto Plinth level 10% RCC Column upto roof slab 10% RCC for Slab 15% Fixing of Door, Windows Frame 10% Brick work & Plaster 15% Plinth Protection 5% Electrical Works 10% Painting 10%	63,379.35 31,689.68 63,379.35 63,379.35 95,069.03 63,379.35 95,069.03 31,689.68 63,379.35 63,379.35
31.00	Provide all materials, labour, T&P etc. complete and constructed Bye-pass chamber for pump house (1000 (L) x 1000 (W) x 1150 (H) mm drawing (drawing no.D-3) and as per the specifications for civil work given in the bld document, including supply of all material, labour and T&P etc complete as per instructions of Engineer -in -charge.	No.	1.00	17,000.00	16,967.70	16,967.70	100%	On completion of job	100%	16,967.70
32.00	Supply of all materials labour T&P etc. for complete construction of R.C.C. Over Head Tank of following capacity and staging above ground level with main components, including cost of soil testing and assuming bearing capacity of soil as 8 MT, with supply of design and drawings. All the water retaining components of OHT shall be casted in M-30 concrete and minimum grade of concrete of foundation and staging should be M-25 with approved cement, coarse sand and stone grit as per I.S. 11682 and I.S.456 Seismic effects and wind load should be taken into consideration as per I.S. 1893 for earthquake resistance and I.S. 875 part-III for wind load on structure and including 1M wide RCC staircase, 1 m wide R.C.C. M30 balcony, M.S. ladder made of 50x50x6 mm angle section and 20mm plain M.S. bars with hand rails of 20mm medium class G.I. pipes, One aluminum ladder inside the tank from top dome to bottom dome, R.C.C. railing with 20mm dia medium class G.I. pipe (In 3 rows) on both sides of stair case, supported on 50x50x6mm M.S. angle section, spaced at intervals not more than 1.5m, Proper ventilator at top dome in circular shape of 1.2 m dia, Water level indicator fabricated with sensor connecting to automation, Lightning conductor as per I.S.S.2309 or its latest amendments of latest electricity rules, consisting of proper elevation rod with 5 or more fork points as prescribed in ISS 2309-1969 and ISS 3013-1966, C.I. manhole of min 60x60cm size with locking arrangement, Supply, fixing, jointing of D.I.D/F Pipes of appropriate size with D.I.D/F specials conforming to IS 8329/2000 as vertical pipes for inlet, outlet, overflow and washout as per latest / relevant I.S. specifications with all jointing materials for proper completion of work, Construction of bed blocks in 1:2:4 PCC with cement, coarse sand and approved stone grit, Construction of washout / overflow chamber and chambers for sluice / butterfly valves as per departmental type design and drawing. Supply of 200 mm dia PVC pipe as per I.S. 250 KI 14 M Staging	Job	1.00	46,60,000.00	46,60,000.00	46,60,000.00		Testing of Bearing Capacity and Construction of foundation upto GL 20% Completion of Staging and stair 20% Completion of Ring beam / bottom dome/ conical dome with balcony 20% Completion of Cylindrical wall 15% Completion of Roof dome 10% Completion of piping arrangement, ascending ladder, finishing work including all appurtenances Testing and commissioning. 15%	Testing of Bearing and submission of report 5% Excavation & PCC for Foundation 5% Construction of RCC Foundation upto GL 10% Construction of RCC staging upto 50% height. 9% Construction of RCC staging Full Height 8% Construction/Supply & Erection of Staircase 3% Construction of beams/ Longitudinal & Transverse beams 10% Completion of bottom slab 10% Supply of steel tank 10% Construction of cylindrical wall/erection of steel tank 5% Construction of roof slab/dome/erection of roof dome 10% Supply of ladder and other appurtenances 5% Completion of Piping arrangement, ascending ladder, finishing work including all appurtenances & test 5% Commissioning 5%	2,33,000.00 2,33,000.00 4,66,000.00 4,19,400.00 3,72,800.00 1,39,800.00 4,66,000.00 4,66,000.00 4,66,000.00 2,33,000.00 2,33,000.00 4,66,000.00 2,33,000.00 2,33,000.00
New Item 32D		Job	1.00	46,60,000.00	46,60,000.00	46,60,000.00				
33.00	Excavation of earth in ordinary soil (loam, clay or sand) for pipe line and rising main trenches including lift upto 1.50 m and lead upto 50 m and refilling watering, ramming of the excavated earth into the trench and also disposal of surplus earth upto 50m from the center of the trenches including supply of all material labour, T&P etc complete as per instructions of Engineer -in -charge.						100%	On completion of job	100%	41,77,242.19
34.00	Ordinary soil	Cum.	17172.85	243.71	243.25	41,77,242.19				

BASANTPUR UDAL

Executive Engineer
C.D.U.P. Jal Nigam (Gramin) Bahraich

Item. No	Item Description	UOM	Quantity	SWSM Rate	Discounted Rate @ 0.19%	Total BOQ Value	% of Payment allowed as per RFP	Proposed billing Breakup	% of Payment Proposed	Amount
40.00	Supply of following sizes (D.I.) pipes for rising main/distribution system conforming to latest/relevant I.S. 8329/2000 Specifications with all jointing materials such as specials conforming to latest /relevant I.S. specifications, suitable for D.I pipes, as per IS-1239 /2000 and IS 8329/2000 or their latest amendment including F.O.R. destination and all taxes and insurance etc. with loading, unloading and Carting up to site of work, also including specials for these pipes and lowering them into the trenches and laying true to alignment and gradient and jointing etc. complete (including testing of pipe lines and cutting of pipes for making up the length but excluding the cost of trenches).all complete as per instructions of Engineer -in - charge.						100%	On Supply & Delivery	70%	37,449.61
								On Completion/Erection/Fixing/Laying/Jointing	20%	10,699.89
								On Completion of Testing	5%	2,674.97
								On Commissioning	5%	2,674.97
40.10	200 mm dia K-7	Rmt	29.00	1,848.32	1,844.81	53,499.44				
41.00	Supply of following sizes pipes for distribution system conforming to latest/ relevant I.S. 4984/1995 Specifications with all jointing materials and specials conforming to latest/relevant I.S. specifications including F.O.R. destination and all taxes and insurance etc. with loading, unloading and Carting up to site of work, also including specials for these pipes and lowering them into the trenches and laying true to alignment and gradient and jointing etc. complete (including testing of pipe lines and cutting of pipes for making up the length but excluding the cost of trenches).all complete as per instructions of Engineer -in - charge.						100%	On Supply & Delivery	70%	37,32,437.65
								On Completion/Erection/Fixing/Laying/Jointing	20%	10,66,410.76
								On Completion of Testing	5%	2,66,602.69
								On Commissioning	5%	2,66,602.69
New Item 41R	200 mm dia HDPE Pipe PN-6: Class PE-100	Rmt	1493.00		956.17	14,27,561.81				
New Item 41D	160 mm dia HDPE Pipe PN-6: Class PE-100	Rmt	530.00		623.83	3,30,629.90				
New Item 41G	110 mm dia HDPE Pipe PN-6: Class PE-100	Rmt	3416.00		307.00	10,48,712.00				
41.01	90 mm dia HDPE Pipe PN-6: Class PE-100	Rmt	1162.00	229.50	229.06	2,66,172.31				
41.02	75 mm dia HDPE Pipe PN-6: Class PE-100	Rmt	3009.00	169.20	168.88	5,08,155.47				
41.03	63 mm dia HDPE Pipe PN-6: Class PE-100	Rmt	13944.00	125.80	125.56	17,50,822.31				
42.00	Supply and carting up to site of work of the following dia DI butterfly /sluice valves, class I, working pressure 10 Kg/cm2 conforming to IS: 780/1969 or its latest amendments, including valve fittings & Dismantling Joints as per requirement F.O.R. destination, and lowering them into the already prepared trenches, fixing in position and jointing them with pipelines and testing etc. complete and also including supply of jointing materials etc. complete .including all taxes and insurance, as per instructions of Engineer -in - charge.							On Supply & Delivery	70%	2,83,355.15
								On Completion/Erection/Fixing/Laying/Jointing	20%	80,958.61
								On Completion of Testing	5%	20,239.65
								On Commissioning	5%	20,239.65
42.03	Sluice valve - 200 mm dia	Nos.	3.00	27,304.00	27,252.12	81,756.37				
42.04	Sluice valve - 150 mm dia	Nos.	1.00	17,626.00	17,592.51	17,592.51				
42.06	Sluice valve - 100 mm dia	Nos.	2.00	14,455.00	14,427.54	28,855.07				
42.07	Sluice valve - 80 mm dia	Nos.	3.00	12,401.00	12,377.44	37,132.31				
New Item 42A	Sluice valve - 65 mm dia	Nos.	1.00	10,650.00	10,629.77	10,629.77				
New Item 42B	Sluice valve - 50 mm dia	Nos.	2.00	9,700.00	9,681.57	19,363.14				
42.17	Supply and installation, testing etc. of single/double ball type air valve conforming to latest/relevant I.S. specifications including all taxes and insurance, carting up to site of work and lowering them into the trenches, fixing in position and jointing them with pipelines and testing etc. complete (including supply of jointing materials and Valve fittings etc complete) as per instructions of Engineer.									
42.19	50 mm	Nos.	8.00	23,170.33	23,126.31	1,85,010.45				
42.22	Supply of under ground sluice valve type fire hydrant consisting of 80 mm dia sluice valve, 80mm dia tail pieces, 80mm dia duck foot bend and 80 mm dia standard makes iron coupling with cap and etc. complete conforming to latest/relevant I.S.specifications including all taxes and insurance up to site of work and lowering them into the trenches, fixing in position and jointing them with pipelines and testing etc. complete (including supply of jointing materials and Valve fittings etc. complete as per instructions of Engineer -in - charge.	Nos.	1.00	24,500.00	24,453.45	24,453.45				

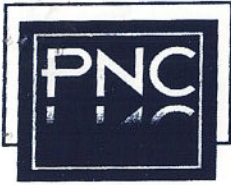
Item No	Item Description	UOM	Quantity	SWSM Rate	Discounted Rate @ 0.19%	Total BOQ Value	% of Payment allowed as per RFP	Proposed billing Breakup	% of Payment Proposed	Amount
43.00	Construction of following type chambers as per department type design and drawing including Heavy duty M.S. Manhole Cover and all materials, labour, T&P etc complete for proper completion of work as per instructions of Engineer -in -charge.						100%	On completion of job	100%	2,20,659.95
43.01	Sluice valve chamber (masonry Type)									
43.02	dia upto 200 mm - 1000 (L) x 1200 (W) x 1300 (H) mm	No.	1.00	22,600.00	22,557.06	22,557.06				
43.03	Sluice valve chamber (surface box Type)	No.	9.00	5,000.00	4,990.50	44,914.50				
43.04	Fire Hydrant chamber (750 (L) X 450 (W) X 1000 (H) mm)	No.	1.00	18,300.00	18,265.23	18,265.23				
43.05	Air Valve Chamber									
43.06	350 (L) x 350 (W) x 500 (H) mm	No.	8.00	10,400.00	10,380.24	83,041.92				
43.07	Scour Valve Chamber									
43.08	dia upto 200 mm - 1000 (L) x 1200 (W) x 1300 (H) mm	No.	2.00	25,990.00	25,940.62	51,881.24				
43.09	PRV Valve Chamber - 1000 (L) x 1200 (W) x 1300 (H) mm	No.		24,860.00	24,812.77	-				
44.00	Design and construct Thrust Block made in R.C.C. with cement, coarse sand & 20 mm gauge stone ballast in proportion of 1:1.5:3, for pipe line, including supply of MS reinforcement wrought to required shape as necessary its bending, fixing & binding the same with 0.50 mm thick binding wire in position & necessary centering & shuttering including curing and supply of all materials, labour, T & P etc. required for proper completion of the work and as per specifications for RCC work as per instructions of Engineer -In -charge.						100%	On completion of job	100%	27,830.46
44.01	Design and construct Thrust Block made in Reinforced Cement concrete (1:1.5:3), with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, as per technical requirements.	Cum.	1.4580	13,656.63	13,630.68	19,873.10				
44.02	Providing shuttering for Thrust block using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete works curved or straight including fitting fixing and striking out after completion of works.	Sqm	4.8600	420.00	419.20	2,037.32				
44.03	Providing reinforcement of Thrust block for reinforced concrete work including distribution bars, stirrups, binders etc. initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with wire at every inter-section, complete as per drawing and direction.	MT	0.0540	1,09,838.98	1,09,630.29	5,920.04				
45.00	Provide all materials labour, T&P etc. and construct single room staff quarter / office room at water works site identified by the Engineer-in-charge as per department type design and drawing and specifications of civil works laid down in the bid document, including all material labour, T&P etc complete for proper completion of work as per instructions of Engineer -in -charge. (Drawing No.D-7)	No		945762.71	9,43,965.76	-	100%	Excavation for Foundation PCC for Foundation RCC substructure work upto Plinth level RCC Column upto roof slab RCC for Slab Fixing of Door, Windows Frame Brick work & Plaster Plinth Protection Electrical Works Painting	10% 5% 10% 10% 15% 10% 15% 5% 10% 10%	- - - - - - - - - -
48.00	Assesst replacement items									
48.01	SITC of Pumping plant including pumps with motors, starter, pannel, cable, complete in all respect with all required material T&P labour etc.									
49.00	Installation of suitable capacity simple T.W. automation system to control operation of the pumping plant with respect to high/low water level in OHT iwth RTU panel , 7" HMI screen , surge device Including enrgy meter Inside the pump house with arrangement for communication of data with GSM and GPRS system to show required parameters including all accessories etc. complete in all respect as per Instructions of Engineer -in -charge.	Job	1.00	375000.00	3,74,287.50	3,74,287.50	1.00	On Supply & Delivery of Complete RTU Panel & HMI system as per BOQ Completion of Installation On Completion of testing On Commmlssioning	70% 20% 5% 5%	2,62,001.25 74,857.50 18,714.38 18,714.38

Item No	Item Description	UOM	Quantity	SWSM Rate	Discounted Rate @ 0.19%	Total BOQ Value	% of Payment allowed as per RFP	Proposed billing Breakup	% of Payment Proposed	Amount
50.00	Dismantling of Following type of surfaces Including sorting out and stacking of serviceable materials and disposal of unserviceable materials upto a distance of 50m as per instructions of Engineer -in -charge.						100%	On completion of job	100%	8,99,221.60
50.01	B.O.E. surface	sqm	16.57	100.00	99.81	1,654.35				
50.02	Bituminous surface	sqm	13.92	200.00	199.62	2,779.31				
50.03	Interlocking Road	sqm	4998.94	155.00	154.71	7,73,363.82				
50.04	C.C. Road	sqm	368.70	329.96	329.33	1,21,424.12				
51.00	Reinstatement of the following type of road surface with old and new materials including supply of all materials, labour, T&P etc. required for proper completion of the work as per instructions of Engineer -in -charge.						100%	On completion of job	100%	60,59,401.05
51.01	B.O.E. surface (50% of existing bricks to be reused)	sqm	16.57	350.00	349.34	5,790.23				
51.02	Bituminous surface	sqm	13.92	1,737.64	1,734.34	24,147.20				
51.03	Interlocking Road	sqm	4998.94	1,070.50	1,068.47	53,41,199.80				
51.04	C.C. Road	sqm	368.697	1,870.30	1,866.75	6,88,263.82				
52.00	Provision for following types of Culvert crossing along the alignment of pipe line complete as per instructions of Engineer -in -charge. (casing of pipe is done by concreting)						100%	On completion of job	100%	4,45,152.60
52.01	Nala/Culvert Crossing (width -3.5 m) upto Dia 300 mm	Nos		19,000.00	18,963.90	-				
52.02	Trenchless crossings									
52.07	Road Crossing - Excavation in foundation of trench of proper size In soil mixed with moorum, Shingle, Kankar, soft rock, hard rock, including refilling, dressing and ramming earth or sand or bajri, ballast, including providing, supply, carting, lowering, laying and jointing of casing pipe of RCC NP-3 with appropriate size, with rubber ring joint, sand filling in gap inside RCC pipe, insertion of distribution pipe into the encasing pipe including supply of T&P, including concrete of 150 mm thick in with 40mm gauge brick ballast local sand and cement In proportion of 8:4:1, provision for barricading, labour for traffic diversion etc. Complete for proper completion of work as per instruction of Engineer.									
52.08	50 mm dia. Pipe	Rmt	200.00	1,400.00	1,397.34	2,79,468.00				
52.09	100 mm dia. Pipe	Rmt	60.00	1,700.00	1,696.77	1,01,806.20				
52.10	150 mm dia. Pipe	Rmt	20.00	2,000.00	1,996.20	39,924.00				
52.11	200 mm dia. Pipe	Rmt	10.00	2,400.00	2,395.44	23,954.40				
53.00	Making house connection should be done atleast 2 m inside the boundary wall with provision of tap from distribution line to outer wall of house, with supply of 1 m G.I. pipe (15 mm) (above ground) & average 5 mtr. MDPE Pipe (20 mm) (below ground) including specials, saddle, Tap, etc. of suitable size, T&P etc. including excavation, laying and jointing for proper completion of work as per instructions of Engineer as per Dwg 12 (excluding road restoration)	Nos.	632.00	3500.00	3,493.35	22,07,797.20	100%	Supply & Delivery of MDPE Pipes & Fittings. Supply & Delivery of Saddle & FCV Supply & Delivery of GI Pipes & Fittings. Excavation & Backfilling Laying & Excavation of HSC items. Commissioning	25% 15% 15% 30% 10% 5%	5,51,949.30 3,31,169.58 3,31,169.58 6,62,339.16 2,20,779.72 1,10,389.86
54.00	Construction of single tap pillar type stand post as per type design	Nos.	2.00	10,000.00	9,981.00	19,962.00	100%	On completion of job	100%	19,962.00
56.00	Electromagnetic flow meters						100%	On Supply & Delivery On Completion/Erection/Fixing/Laying/Joining On Completion of Testing On Commissioning	70% 20% 5% 5%	1,04,800.50 29,943.00 7,485.75 7,485.75
56.01	150mm	Nos.	1.00	1,50,000.00	1,49,715.00	1,49,715.00				
57.00	soft starter	Nos.					100%	On Supply & Delivery On Completion/Erection/Fixing/Laying/Joining On Completion of Testing On Commissioning	70% 20% 5% 5%	- - - -
58.00	Auto phase reversal unit						100%	On Supply & Delivery On Completion/Erection/Fixing/Laying/Joining On Completion of Testing On Commissioning	70% 20% 5% 5%	- - - -
59.00	Radar type Level transmitter	Nos.	1.00	120000.00	1,19,772.00	1,19,772.00	100%	On Supply & Delivery On Completion/Erection/Fixing/Laying/Joining On Completion of Testing On Commissioning On Supply & Delivery	70% 20% 5% 5% 70%	83,840.40 23,954.40 5,988.60 5,988.60 -

Item. No	Item Description	UOM	Quantity	SWSM Rate	Discounted Rate @ 0.19%	Total BOQ Value	% of Payment allowed as per RFP	Proposed billing Breakup	% of Payment Proposed	Amount
60.00	Control panel for all power equipments with IP 54 protection	Nos.		120000.00	1,19,772.00	-	100%	On Completion/Erection/Fixing/Laying/Joining	20%	-
								On Completion of Testing	5%	-
								On Commissioning	5%	-
61.00	complete cabling for tubewell including all power and control cables of all equipments at pumphouse and OHT	Nos.	1.00	60000.00	59,886.00	59,886.00	100%	On Supply & Delivery	70%	41,920.20
								On Completion/Erection/Fixing/Laying/Joining	20%	11,977.20
								On Completion of Testing	5%	2,994.30
								On Commissioning	5%	2,994.30
62.00	Master control plc with CPU, SCADA software including GSM/GPRS modem, necessary firewall, ethernet switch, CCTV system	Nos.		26,65,000.00	26,59,936.50	-				
63.00	Installation testing and commissioning	Nos.	1.00	60,000.00	59,886.00	59,886.00	100%	On completion of job	100%	59,886.00
65.00	Additional Work						100%	On completion of job	100%	6,15,450.00
65.01	Solar Light, Pole Mounted for Yard	nos	2.00	30,000.00	30,000.00	60,000.00				
65.04	Supply DG Set of Capacity - 25.KVA	Nos	1.00	4,83,000.00	4,83,000.00	4,83,000.00				
65.05	Installation of 25 KVA DG Set	Nos	1.00	72,450.00	72,450.00	72,450.00				
	Sub Total					3,42,19,196.90				3,42,19,196.90
	Contingency @2%					6,84,383.94				
	Total					3,49,03,580.84				
	CAPEX					3,49,03,580.84				
55	Operation and Maintenance for 10 years of water supply schemes after completion including staff required for operation and maintenance, chemicals, all materials, specials T & P for operation and maintenance excluding									
	For 1st year - 2% of CAPEX Value					6,98,071.62		To be claimed monthly		
	For 2nd year - Previous year cost + 5%					7,32,975.20		To be claimed monthly		
	For 3rd year - Previous year cost + 5%					7,69,623.96		To be claimed monthly		
	For 4th year - Previous year cost + 5%					8,08,105.16		To be claimed monthly		
	For 5th year - Previous year cost + 5%					8,48,510.41		To be claimed monthly		
	For 6th year - Previous year cost + 5%					8,90,935.93		To be claimed monthly		
	For 7th year - Previous year cost + 5%					9,35,482.73		To be claimed monthly		
	For 8th year - Previous year cost + 5%					9,82,256.87		To be claimed monthly		
	For 9th year - Previous year cost + 5%					10,31,369.71		To be claimed monthly		
	For 10th year - Previous year cost + 5%					10,82,938.20		To be claimed monthly		
	Total O & M cost					87,80,269.78				



Executive Engineer
C.D.U.P. Jal Nigam (Gramin) Bahraich

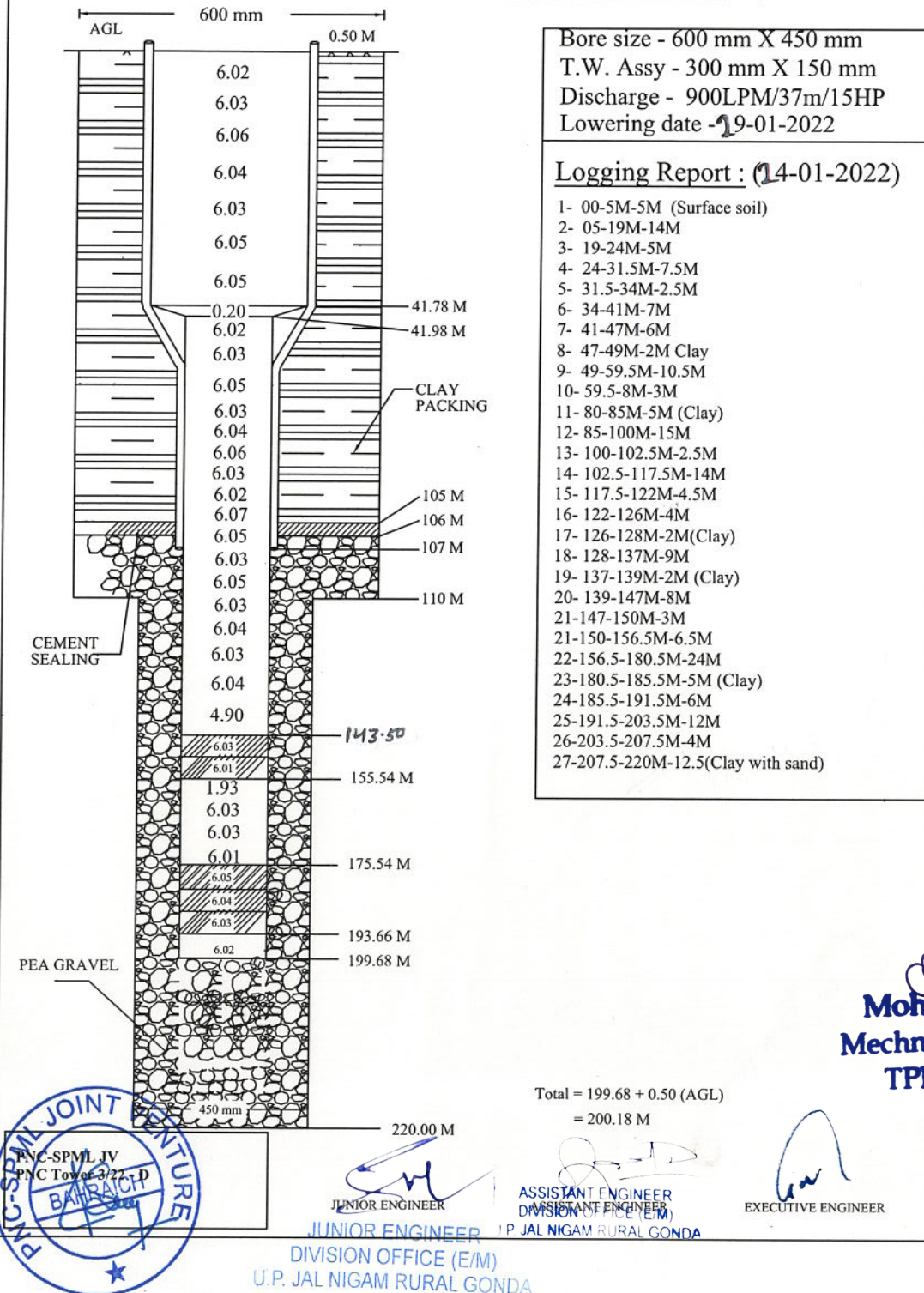


PNC - SPML JV

Engineering Life
SPML INFRA LIMITED

ACTUAL T.W. ASSEMBLY CHART OF BASANTPUR UDAL W/S SCHEME BAHRAICH

UNDER JAL JEEVAN MISSION (BLOCK - NAWABGANJ)



Mohd Tanveer
Mechanical Engineer
TPI Bahraich

Site Office : PNC - SPML (JV), H.No. 141, Behind Panchwati Hotel Near Durga Mandir Hanuman Colony, Sufipura, Bahraich, UP, PIN-271801
Mob. No. +91-926/933270, Email : gmwp@pncinftratech.com

Head Office : PNC Infratech Limited (Lead Member of PNC - SPML JV), PNC Tower, 3/22-D, Civil Lines, Bypass Road, NH-2, Agra, UP, PIN-282002
Tel : 91-562-4070000 (30 Lines), 91-562-4054400 (30 Lines), Email : ho@pncinftratech.com

MAPL



MINING ASSOCIATES PVT. LTD.

GEOPHYSICAL DIGITAL LOGGING REPORT

SITE:	BASANTPUR UDAL	DATE OF LOGGING:	24.01.2022
BLOCK:	NAWABGANJ	DRILLING DEPTH:	220.00 M
STATE:	UTTAR PRADESH	LOGGING DEPTH:	220.13M
ENGINEER:	ASHOK KUMAR	LOGGING COMPANY:	Mining Associates Pvt. Ltd.

AQUIFER:-

The depth zones with high resistivity and relatively low Natural Gamma radioactivity values are referred as Aquifer Zones.

CLAY:-

The depth zones with less resistivity and relatively high Natural Gamma radioactivity values are referred as Clay zones.

NOTE:- These values are only indicative. The thin clay or sand layer does not reveal its actual resistivity value

Sl. No.	Depth		Thickness (m)	Inferred lithology	Remark(Quality of Aquifer Water)
	From (m)	To (m)			
1	0	5	5	Top Soil	
2	5	19	14	Cores to medium graind sand	Good
3	19	24	5	Clay	
5	24	31.5	7.5	Fine graind sand	Medium
6	31.5	34	2.5	Clay	
7	34	41	7	Cores graind sand	Good
8	41	47	6	Fine graind sand	Medium
9	47	49	2	Clay	
10	49	59.5	10.5	Medium to fine graind sand	Good
11	59.5	65.1	5.6	Clay	
12	65.1	68	2.9	Corse graind sand	Good
13	68	92.5	24.5	Medium to fine graind sand	Good
14	92.5	115	22.5	Clay with sand	
15	115	124	9	Cores graind sand	Good
16	124	156	32	Medium to fine graind sand	Good
17	156	175	19	Clay with sand	
18	175	193	18	Medium to fine graind sand	Good
19	193	202	9	Fine graind sand	Medium
20	202	206.5	4.5	Clay	
21	206.5	220	13.5	Clay with sand	

ASSISTANT ENGINEER
DIVISION OFFICE (E/M)
P. JAL NIGAM RURAL GONDA

For Mining Associates Pvt. Ltd.

Geophysicist

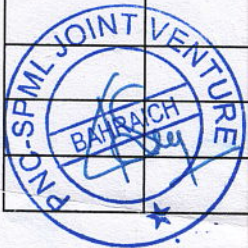
R.W.L.

Development of T.W. by 250 P.S.I. Air compressor of Basantpur T.W. Distt. Behraich

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JUNIOR ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA

ASSISTANT ENGINEER
DIVISION OFFICE (E/M)
J. P. JALNIGAM RURAL GONDA



Log Book

Development and Yield Test of T.W. by cusec O.P. unit of Basantpur T.W. Distt. Bahraich

Date	Time of Start	Time of Close	During Hours	Height of orifice Pipe in inches	Discharge in LPM	S.W./I. in mts	R.W.I. in mts.	Depressio n in mts.	Sand Contents in P.P.M.							Signature of O.P. unit Driver
									Starting	5 min	10 min	15 min	20 min	25 min	30 min	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
4-7-22	6:00 Am	12:00 Pm	6:00													Hand
	12:10 Pm	8:40 Pm	6:30													
5-7-22	5:10 Am	10:45 Am	5:35													Hand
	12:05 Pm	6:58 Pm	6:45													
6-7-22	6:15 Am	11:45 Am	5:30													Hand
	1:10 Pm	7:40 Pm	6:30													
7-7-22	6:10 Am	12:15 Pm	6:05													Hand
	2:15 Pm	7:45 Pm	5:30													
8-7-22	6:00 Am	11:25 Am	5:25													Hand
	1:30 Pm	7:10 Pm	5:40													
9-7-22	6:25 Am	12:40 Pm	6:15													Hand
	2:30 Pm	7:05 Pm	4:35													
10-7-22	7:20 Am	12:00 Pm	4:40													Hand
	1:30 Pm	7:20 Pm	5:50													
11-7-22	6:35 Am	11:15 Pm	4:40													Hand
	1:45 Pm	8:00 Pm	6:20													
12-7-22	7:30 Am	1:40 Pm	6:10													Hand

Handwritten signature
Mohd Tanveer
Mechanical Engineer
TPI Bahraich

Seen

Handwritten signature
ASSISTANT ENGINEER
DIVISION OFFICE (E/M)
J.P. JAL NIGAM RURAL GONDA

98 hr.

Handwritten signature
JUNIOR ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA





PNC - SPML JV



Test Report of Development of Basantpur Udal w/s scheme TW District- Bahraich Block- Nawabganj by Air Compressor

Under Jal Jeevan Mission

1- Date of Testing - 26.06.2022

2- T.W. Size - 300mm Ø x 150 mm Ø

3- S.W.L - 4.90m

4 - Discharge measured by - M.S. 90° V- Notch Tank

5 - Depth of Tube well - 200.10 MBGL

Sl. No.	Depth of airline lowered (in m)	Discharge (Water Head over 90° V- Notch Tank)		Starting Pressure in kgf/ cm ²	Running Pressure in kgf/ cm ²	Depression		Sand contents in PPM					Remarks
		In mm	In LPM			kgf/ cm ²	m	Starting	5 Minute	10 Minute	15 Minute	20 Minute	
1	190.50	215	1808	19.05	18.05	1	10	4700	1900	1600	1100	700	

Note: - Recommended for development of T.W. by the O.P. unit.

Test Conducted in the presence of -

M/s PNC Infratech -SPML
(Contractor)

Mehdi Tanveer
TP1 (C.E. Infratech Ltd.)
Mechanical Engineer
TP1 Bahraich

Junior Engineer
JUNIOR ENGINEER
DIVISION OFFICE (E/M)

ASSISTANT ENGINEER
DIVISION OFFICE (E/M)

Executive Engineer

PNC Infratech Limited (Lead Member)

PNC Tower, 3/22-D, Civil Lines, Bypass Road, NH-2, Agra-282002 (U.P.) Phone: 91-562-4070000 (30 Lines), 91-562-4054400 ho@pncinfratech.com;



PNC - SPML JV



Yield Report of Development of Basantpur Udal w/s scheme TW Block- Nawabganj District- Bahraich By O.P. UNIT Under Jal Jeevan Mission

- 1- Size of Assembly - 300mm X 150 mm Ø
- 2- S.W. L - 3.85 m
- 3- Column Pipe lowered - 24 m
- 4- Date of Test - 12.07.2022
- 5- Orifice Size - 6" X 4" Dia
- 6- Required Discharge- 900 L.P.M.

Sl. No.	Discharge measured by 6" X 4" ORIFICE		S.W.L. in m	R.W.L. in m	Depression in m	Sand Contents in PPM						Remark
	in Inch	In L.P.M.				Starting	5 minutes	10 minutes	15 minutes	20 minutes		
1	2	3	4	5	6	7	8	9	10	11	12	
1	57.5"	1809	3.85	9.52	5.67	100	50	TR	Tr	Cl		
2	32.5"	1362	3.85	7.45	3.60	50	TR	CL	Cl	Cl		
3	13.5"	904	3.85	6.15	2.30	TR	TR	Cl	Cl	Cl		

Recommended Discharge 900 L.P.M. at 2.30 m depression. Pump should be run for 10 minutes in by-pass from starting, then after taken in line.
Test Conducted in Presence of :-

M/s PNC Infratech.-SPML
(Contractor)

Mohd Tanveer
Mechanical Engineer

TPJ Bahraich

PNC Infratech Limited (Lead Member)

ASSISTANT ENGINEER
DIVISION OFFICE (E/M)
P JAL, NGAM BURAL GONDA
Assistant Engineer

Executive Engineer

FORMAT NO:



PNC -SPML JV

SPML
Engineering & Construction
SPECIALIZED

Name of Project :- Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 years of Baharich District, Devipatan Division Rural Water Supply Project under Jal Jeevan Mission in State of Uttar Pradesh, at Baharich District, Devipatan Division

CLIENT : U.P JAL NIGAM

RFI No.

TPIA : CEINSYS TECH LIMITED

Date : 30/01/2022

REQUEST FOR INSPECTION

EXECUTION:

TUBE WELL ✓ / PUMP HOUSE / BOUNDARY WALL
/ OHT / SOLER SYESTEM / PIPELINE / FHTC / OTHERS

Reference Drawing No. & Rev:

The following works will be ready for inspection on:

DESCRIPTION: Drilling work, lowering work, Gravel Packing.
Cement Sailing work, clay packing.

LOCATION:

Site:- Basantpur udal

Block:- Nawabganj

Submitted by :

Name Rushpendra
Sign : Rushpendra
Date & Time 30/01/2022

Received by :

Name Anand
Sign : Anand
Date & Time

Instruction/Note:

- (1) DPT is not performed before lowering.
- (2) No-safety barricading at site.

Rushpendra
Agency's Representative's

UPJN Representative's

Anand
TPIA Representative's

Date & Time

30/01/2022

Date & Time

Date & Time

FORMAT NO:



PNC -SPML JV



Name of Project :- Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 years of Baharich District, Devipatan Division Rural Water Supply Project under Jal Jeevan Mission in State of Uttar Pradesh, at Baharich District, Devipatan Division

CLIENT : U.P JAL NIGAM

RFI No.

TPIA : CEINSYS TECH LIMITED

Date : 28/06/22

REQUEST FOR INSPECTION

EXECUTION:

TUBE WELL ✓ /PUMP HOUSE /BOUNDARY WALL
/OHT /SOLER SYESTEM / PIPELINE / FHTC /OTHERS

Reference Drawing No. & Rev:

The following works will be ready for inspection on:

DESCRIPTION:

Development of TIW by air compressor

LOCATION:

Site - Basantpur uhal

Block:- Nuzabganj

Submitted by :

Name Pushendra

Sign : Pushendra

Date & Time 28/06/2022

Received by :

Name Anand

Sign :

Date & Time

Instruction/Note:

4 No safety barricading at site.

Pushendra
Agency's Representative's

UPJN Representative's

Anand
TPIA Representative's

Date & Time

28/06/2022

Date & Time

Date & Time

FORMAT NO:



PNC -SPML JV

SPML
SPECIAL LIMITED

Name of Project :- Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 years of Baharich District, Devipatan Division Rural Water Supply Project under Jal Jeevan Mission in State of Uttar Pradesh, at Baharich District, Devipatan Division

CLIENT : U.P JAL NIGAM

RFI No.

TPIA : CEINSYS TECH LIMITED

Date : 12/07/2022

REQUEST FOR INSPECTION

EXECUTION:

TUBE WELL ✓ / PUMP HOUSE / BOUNDARY WALL
/ OHT / SOLER SYESTEM / PIPELINE / FHTC / OTHERS

Reference Drawing No. & Rev:

The following works will be ready for inspection on:

DESCRIPTION:

Development of T/w by OP unit

LOCATION:

Site - Basantpur udal

Block:- Nawabganj

Submitted by :

Name Pushpendra

Sign : Pushpendra

Date & Time 12/07/2022

Received by :

Name Wipro

Sign :

Date & Time

Instruction/Note:

dl log book is not available at site.

Pushpendra
Agency's Representative's

UPJN Representative's

Wipro
TPIA Representative's

Date & Time

12/07/2022

Date & Time

Date & Time