



पत्रांक :- 2499 पटना / दिनांक :- 06/04/21
प्रेषक,

कार्यपालक अभियंता -सह- जिला परियोजना प्रबंधक,
जिला परियोजना प्रबंधन इकाई, पटना।
सेवा में,

श्री अजीत कुमार सिंह,
ग्राम - मुर्ही, पोस्ट - दरिगाँव, थाना - सासाराम,
जिला - रोहतास (बिहार) - 801378

विषय :- लोक स्वास्थ्य प्रमण्डल, पटना पूर्व, पटना अन्तर्गत विश्व बैंक सम्पोषित कोहॉवा एकल ग्रामीण
पाईप जलापूर्ति योजना अन्तर्गत Deviation का कार्यादेश निर्गत करने के संबंध में।

प्रसंग - अधीक्षण अभियंता, लोक स्वास्थ्य अभियंत्रण, पटना अंचल, पटना का पत्रांक - 796 दिनांक --
29.06.2020 के द्वारा दिनांक - 08.09.2021 को सम्पन्न क्षेत्रीय कार्यालय निविदा समिति की
बैठक की कार्यवाही।

महाशय,

उपरोक्त प्रासंगिक कार्यवाही द्वारा विषयांकित एकरारनामा संख्या - SBD-07/2019-20 (W.B.)
दिनांक - 17.07.2019 से संबंधित योजनान्तर्गत प्राप्त अनुमोदित विचलन के आलोक में उक्त कार्य के पूरक
एकरारनामा के सम्पादनोपरान्त कार्यादेश निर्गत किया जा रहा है। पूरक एकरारनामा की प्रति संलग्न करते हुए
अनुरोध है कि सहायक अभियंता, लोक स्वास्थ्य अवर प्रमण्डल, विश्वविद्यालय से सम्पर्क स्थापित कर कार्य पत्र
निर्गत की तिथि से एक माह में पूर्ण कराना सुनिश्चित किया जाय।

साथ ही कार्य में व्यवहृत होने वाले सामाग्री का उपयोग Third Party Inspection Report के पश्चात्
ही करेंगे अन्यथा भुगतान नहीं किया जायेगा। कार्य सम्पादित कराने हेतु एकरारित समय से अधिक समय किसी
भी परिस्थिति में नहीं दिया जायेगा। सम्पादित कार्यों का भुगतान निधि उपलब्धता के अनुसार किया जायेगा तथा
अनुपलब्धता के कारण विलम्ब से भुगतान होने पर आप का कोई दावा मान्य नहीं होगा। कार्य निर्धारित समय
सीमा के अन्दर एकरारनामा में निहित निदेश के आलोक में विशिष्टता के अनुरूप सम्पन्न कराना सुनिश्चित
करेंगे।

अनु० - पूरक एकरारनामा।

विश्वासभाजन

6/4/21

कार्यपालक अभियंता -सह- जिला परियोजना प्रबंधक,
जिला परियोजना प्रबंधन इकाई, पटना।
6/4/21

Ajit Kumar

भारतीय नैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000



बिहार BIHAR

क्रमांक 11180, तारीख 4/10/2021 पास 1 वास्तु एम/एच AH 966086
प्राप्त का नाम पता, अजित कुमार सिंह व/ए मुहरी, व/ए दरीगाँव
रोहतास

कृष्णा प्रसाद वना
स्टाम्प भण्डार ला० नं०-1/1978
व्यवहार न्यायालय, गाय घाट

SUPPLEMENTARY AGREEMENT

THIS SUPPLEMENTARY AGREEMENT is made on **06.10.2021** with effect from **06.10.2021** between Executive Engineer -Cum- DPM. District Project Management Unit, Rural Water Supply and Sanitation Project (NNP), P. H. Division, Patna East, Patna

and

Sri Ajit Kumar Singh, Vill. - Muhri, Post - Darigaon, P.s. - Sasaram, Dist. - Rohtas (Bihar) - 801378
Original Agreement No. - SBD-07/2019-20 (W.B.)
Dated - 17th Day of July 2019

Time of Completion - 01 Month

Work Order - 2499..... Date - 06/10/21

Certificate
[Signature]

Executive Engineer
P.H. Division, Patna East Patna
6/10/21
06/10/21

Ajit Kumar Singh

Background :

- (A) The parties entered into an Agreement for Design Build of all Components Kohawan Panchayat, Ward No. - 02 Single Village Piped Water Supply Scheme along with 5 Years of Operation and Maintenance for the Scheme bearing Agreement No. SBD-07/2019-20 (W.B.) Dated – 17.07.2019
- (B) The Parties wish to Execute the Additional work Deviation the Scheme at Total Price of **Rs. 1,16,296.00 (Rupees One Lac Sixteen Thousand Two Hundred Ninety Six) Only.**
- (C) This Agreement is Entered into Pursuant to the Supplementary work due to Variation (Non BOQ Items).

IT IS HEREBY AGREED as follows.

1. In this Supplementary Agreement Words and Expressions Defined in and rules of interpretation set out in the Contract shall have the same Meaning and effect when used in this Supplementary Agreement Except where the Context Requires Otherwise.
2. **EFFECTIVE DATE AND TERM.**

Original Date of Agreement	17.07.2019
Date of Completion as per Original Agreement.	16.10.2020 (Including Trial and Run Period of three months)
Extension of Time Granted	No.
Revised Date of Completion.	-

3. The Operator shall furnish Performance Guarantee for Amount of the Supplementary Agreement for Extended Period as per the Prevailing Terms and Conditions.

Amount of Performance Security as per Original Contract (2.5% of DB Cost.)	2,91,400.00
Additional Amount of Performance Security due to this Supplementary Agreement (2.5% of Additional Amount).	5,000.00
Date of Effect of Performance Security for Additional Amount.	06.10.2021
Validity of Performance Security.	Up to Defect Liability Period.

4. In Consideration of the payments to be Made by the Owner to Operator, the Operator hereby agrees with the owner to execute and complete the works and remedy and Defects therein in Conformity with all aspects as per Provisions of the Contract.
5. The Owner hereby agrees to pay the Contractors in Consideration of the Execution and Completion of the work and remedying the Defects wherein Contract Price or such other sum as may become payable under the Provisions of the contract at the times and in the manner prescribed by the contract.

Asit Kumar

SA
Executive Engineer
P.H. Division, Patna East Patna

6. The following Documents shall be deemed to form and be read and construed as part of this Agreement Viz.
7. Copy of Original Agreement.
8. Drawings.
9. Priced Bill of Quantities; and
10. All other terms and Conditions of the Agreement vide No. SBD-07/2019-20 (W.B.) Dated - 17.07.2019 Executed for Kohawan Single Village Piped Water Supply Scheme shall remain same.
11. This Supplementary Agreement shall be Governed by, Construed and Given effect to in all respects in Accordance with the laws of India.

IN WITNESS of which Executive Engineer -Cum- DPM. District Project Management Unit, Rural Water Supply and Sanitation Project (NNP) P. H. Division, Patna East, Patna and Sri Ajit Kumar Singh, Vill. - Muhri, Post - Darigaon, P.s. - Sasaram, Dist. - Rohtas (Bihar) - 801378

Respectively Entered Into this Supplementary Agreement on the Date First Above Written.

Signed By:

Name :- Er. Prabhat Kumar
Designation :- Executive Engineer -Cum- DPM.
District Project Management Unit,
Rural Water Supply and Sanitation Project (NNP),
P. H. Division, Patna East, Patna

Name of Authorized Person
Agency :- Sri Ajit Kumar Singh,
Vill. - Muhri, Post - Darigaon,
P.s. - Sasaram,
Dist. - Rohtas (Bihar) - 801378

Witness :-

1. Signature with Name & Designation
2. Signature with Name & Designation



Executive Engineer
P.H. Division, Patna East Patna

- 6 समयबद्धि के अनुसार कार्य पूर्ण करने की अंतिम तिथि
- 7 योजना की वर्तमान स्थिति
- 8 योजना की मरम्मत एवं सम्पोधन की अवधि

60 माह

उक्त योजना की प्रशासनिक स्वीकृति की राशि, एकरारनामा की राशि तथा विचलन की राशि की विवरणी निम्नवत् है :-

Name of Scheme	AA Amount (In Lakh)		Agreement Amount + Suppl. Agreement-1 (In Lakh)		After 2 Variation/Deviation Amount (In Lakh)		Variation & Deviation Cost (In Lakh)	% Variation Agreement Amount (When there is)				
	D.B. Cost	O&M Cost	Total	D.B. Cost	O&M Cost	Total		A.A. Amount	Agreement Amount			
कोहवाँ	87 50000	51 50000	139 00000	127 02746	23 42000	150 44746	128 19042	23 42000	151 61042	1,16296	9.07%	0.77%

मदवार विचलन की विवरणी निम्न प्रकार है :-

BOQ Items

Sl. No.	Items of Work	Unit	Quantity (As per Agree. & Suppl. Agree.)	Quantity (As per Deviation/ Variation)	Variation/ Deviation Qty.	Rate (In Rs.)	Amount (As per Agree. & Suppl. Agree.)	Amount (As per Deviation/ Variation) (In Rs.)	Deviation/ variation Amount	% Variation
1.00	KOHAWAN SINGLE-VILLAGE Piped Water Supply Scheme under KHUSRUPUR Block of Patna District									
	BUILD PHASE (SL. NO. -1.01 TO SL. NO. -1.12)									
1 01	Surveying and leveling using Total Station /DGPS and auto level instruments of the project area including transfer of relevant bench mark to establish the levels of strategic points at the selected position of the T/Well pumping station. OHSR, development of longitudinal section along the distribution network (refer to length of various pipes for assessment of extent of job), submission of surveying data sheet and drawing depicting the hydraulic flow across the project area all complete Submission all design and drawing report in hard copy and soft copy in quadruplicate	Job	1 00	1 00	0	48,080 00	48,080 00	48,080 00	0 00	0.00%
1 02	Design of a Tide-well on the basis of HGM maps/ hydro-geological investigations for a yield of 20 lps and its construction investigations with 200 mm x 150 mm size 125 meters (minimum) depth with unplasticized PVC (UPVC) medium well casing (CM) pipe of required dia. conforming to IS: 12818 & unplasticized PVC (UPVC) medium well screen (RMS) pipes with ribs, conforming to IS: 12818 including pea gravel as per IS 4097 after drilling with Rig machine and its development with minimum 750 psi capacity Air compressor / Over Pumping Unit including yield test and vernality test etc all complete as per relevant standard specifications	Job	1 00	1 00	0	2,98,096 00	2,98,096 00	2,98,096 00	0 00	0.00%
1 03	Supply of all materials and labour and Construction of Pump House 3.0m X 3.0m X 4.1m (High) with 3.0m x 2.7m x 3.0m (High) Attendant Room attached with 2.1mx1.4m x 2.2m (High) Toilet & 1.5mx1.4mx2.3m (High) Chlorinator Room as per attached approved drawing & design all complete as per direction of E/I with arrangement of required T&P (As per Drawing attached)	Job	1 00	1 00	0	5,68,786 00	5,68,786 00	5,68,786 00	0 00	0.00%

Executive Engineer
P.H. Division, Patna East Patna

Sl. No.	Items of Work	Unit	Quantity (As per Agree. & Supp. Agree.)	Quantity (As per Deviation/ Variation)	Variation Qty.	Rate (In Rs.)	Amount (As per Agree. & Supp. Agree.)	Amount (As per Deviation/ Variation) (In Rs.)	Deviation/ variation Amount	% Variation
104	Supplying all materials including laying of distribution network as per the directions of Engineer in Charge including Earthwork in trenches to give 1.0M average cover over laid pipes, including crossing of ditches Road cutting and restoration and backfilling the trenches after laying of line, providing and pipes for rising main of DI K-7 conforming to IS 8329/2000 with latest amendments in standard lengths and Providing and laying of High Density Polyethylene pipe (HDPE) pipe PE -100/PN 8 & 10) of 20 mm to 225 mm OD and suitable for water supply which is available in all standard, like ISI-4984/1995 with latest amendment and various grades like, PE-100 including required specials including supplying all joining materials etc. including all taxes, duties etc. and incidental charges providing necessary thrust block where as required, fixing of stitce valves, earth work in back filling the trenches after laying of different types and sizes of pipe, fittings and valves with earth removed during excavation within initial lead and lift etc. including providing night guard, barrier and red light to safe guard against accident, testing of laid pipes etc. all complete job as per specification and direction of E/I									
	Rising									
a	150 mm dia DI K-7 Double Flanged (screwed/welded) Centrally (Span) Cast Iron, Class B (IS 1336) with DI Specials of Class K-12 suitable for push on joints as per IS 9523	M	50	50	0	4,135 00	2,06,750 00	2,06,750 00	0 00	0.00%
b	CI sluice valves 150mm dia with chamber of size (1 20M x 1 2M x 1 0M deep)	Nos	1	1	0	24,040 00	24,040 00	24,040 00	0 00	0.00%
	Distribution Network									
a	63 mm dia HDPE pipe of materials grade PE100- PN8 (dia in mm) as per ISI-4984/1995 with amendments	M	4098	4098	0	745 24	30,53,993 52	30,53,993 52	0 00	0.00%
b	75 mm dia HDPE pipe of materials grade PE100- PN8 (dia in mm) as per ISI-4984/1995 with amendments	M	195	195	0	722 00	1,40,790 00	1,40,790 00	0 00	0.00%
c	90 mm dia HDPE pipe of materials grade PE100- PN10 (dia in mm) as per ISI-4984/1995 with amendments	M	256	256	0	866 00	2,21,696 00	2,21,696 00	0 00	0.00%
d	110 mm dia HDPE pipe of materials grade PE100- PN10 (dia in mm) as per ISI-4984/1995 with amendments	M	39	39	0	1,731 00	67,509 00	67,509 00	0 00	0.00%
e	125 mm dia HDPE pipe of materials grade PE100- PN10 (dia in mm) as per ISI-4984/1995 with amendments	M	180	180	0	1,827 00	3,28,860 00	3,28,860 00	0 00	0.00%
f	140 mm dia HDPE pipe of materials grade PE100- PN10 (dia in mm) as per ISI-4984/1995 with amendments	M	0	0	0	0 00	0 00	0 00	0 00	0.00%
g	160 mm dia HDPE pipe of materials grade PE100- PN10 (dia in mm) as per ISI-4984/1995 with amendments	M	172	172	0	1,779 00	3,05,988 00	3,05,988 00	0 00	0.00%
h	180 mm dia HDPE pipe of materials grade PE100- PN10 (dia in mm) as per ISI-4984/1995 with amendments	M	0	0	0	0 00	0 00	0 00	0 00	0.00%
i	200 mm dia HDPE pipe of materials grade PE100- PN10 (dia in mm) as per ISI-4984/1995 with amendments	M	0	0	0	0 00	0 00	0 00	0 00	0.00%
j	225 mm dia HDPE pipe of materials grade PE100- PN10 (dia in mm) as per ISI-4984/1995 with amendments	M	0	0	0	0 00	0 00	0 00	0 00	0.00%
k	Gun metal gate valve with CI wheel of approved quality (screwed end) 80mm with chamber of size (1 20M x 1 2M x 1 0M deep)	Nos	12	12	0	27,886 00	3,34,632 00	3,34,632 00	0 00	0.00%
l	CI sluice valves 100mm dia with chamber of size (1 20M x 1 2M x 1 0M deep)	Nos	4	4	0	24,040 00	96,160 00	96,160 00	0 00	0.00%
m	CI sluice valves 150mm dia with chamber of size (1 20M x 1 2M x 1 0M deep)	Nos	4	4	0	28,848 00	1,15,392 00	1,15,392 00	0 00	0.00%

Vidya Prasad

3 of 8

Executive Engineer
P.M. Division, Panna East Panna

3 of 8

Sl. No.	Items of Work	Unit	Quantity (As per Agree. & Supp. Agree.)	Quantity (As per Deviation/ Variation)	Variation Qty.	Rate (In Rs.)	Amount (As per Agree. & Supp. Agree.)	Amount (As per Deviation/ Variation) (In Rs.)	Deviation/ variation Amount	% Variation
1	2	3	4	5	6	7	8	9	10	11
n	C1 sluice valves 200mm dia with chamber of size (1 20M x 1 2M x 1 0M deep)	Nos	0	0	0	0.00	0.00	0.00	0.00	0.00%
o	C1 double acting air valve 80mm dia with chamber of size (1 20M x 1 2M x 1 0M deep)	Nos	2	2	0	24,040.00	48,080.00	48,080.00	0.00	0.00%
p	Providing and fixing vertical fire hydrant with 65mm outlet complete with bolts, nuts & rubber insertion with chamber of size (1 20M x 1 2M x 1 0M deep)	Nos	2	2	0	33,656.00	67,312.00	67,312.00	0.00	0.00%
q	Manufacture, Supply and commission Electromagnetic Flow Meter (EMF) for Raw/Pure water with accuracy 0.5% of measured value & protection as per given specifications for size 100 mm x 1000 mm including sensor, transmitter surge arrester, cable GI duct if suitable size for 25 mm ² sensor, transmitter surge arrester, 25 Mtrs/each flow meter, including the pipe cutting, leveling and installation of flow meter in the pipelines with necessary tool tackles, cranes etc as may be required at site & based on technical specifications (Annexure-A) attached A Mandatory Accessories 1) The sensor should be as per IP-68 protection & with flanges of up to PN 10 rating from CS-1 No. 2) The sensor coil housing shall be IP-68 This protected against external magnetic field 3) The transmitter shall have one current 4 m A-20 mA output 4) the current output shall be galvanically / optically isolated It shall be fitted with switched mode power supply capability 85-260 V & 45-65 Hz to cope with power transients without damage 5) Single & power cable shall be of 50 Mtrs length/each 6) Conduit pipe (PVC Plumbing schedule 4) 25 mm diameter with suitable rating of cable with digging, laying & concealed the duct - 25 mtrs/each 7) UPS working on 230 V A.C. 50 Hz power supply suitable for 12 hrs continuous operation - 1 No. 8) Date storage capacity with built in or separate for date time, actual flow rate, totaliser & error messages if any with storage capacity of 120 days at 1 hour interval data logging - 1 No. 9) 21", 80 column Dot matrix printer of EPSON, WIPRO or Hewlett Packard make with printer interface unit for printing of stored data as per 8) - 1 no. 11) Suitable over voltage protection unit for protection of instrument from higher voltage (upto 275 V. 300 V)	No	1	1	0	33,656.00	33,656.00	33,656.00	0.00	0.00%
q	150mm dia with chamber of size (1 20M x 1 2M x 1 0M deep) Supply and delivery of "Resilient Seated Soft Sealing" Gate valves (Sluice valves) with Body and Bonnet of Ductile iron GGG-40/SG-400/15 or GGG-50-SG -500/7 OR equivalent as per IS 1865/IS 3896-2 and wedge fully Rubber lined with food grade quality grade W270 grade EPDM Replaceable spindle nut without gland packing with 3- O ring protection system on the shaft and SEALS of NBR The valves should be Vacuum tight and 100 % leak proof with face to face dimensions as BS 5163 Type A/IS 14846 all the valves should be fusion bonded Electrostatic powder coating both inside and outside (Min 250 Microns)-RAL 5005 with pocket less straight through body passage conforming to design standard of DIN-3202F4/BS 5163 Type A Flange drilling as per IS 1518 excluding all taxes, duties and transportation Sluice Valve PN-1.0 (without by pass arrangement) 150mm dia with chamber of size (1 20M x 1 2M x 1 0M deep)	No	1	1	0	33,656.00	33,656.00	33,656.00	0.00	0.00%
1 05	Supply all materials, labour, T&P and Construction of 1.5 meter high Boundary wall all complete as per approved design, drawing (attached and/or Number be mentioned) as per direction of E/I (As per approved drawing & design)	M	0	0	0	4,328.00	0.00	0.00	0.00	#DIV/0!
1 06	Providing and erection of MS Grill gate 4 meter wide and 1.5 m height with suitable basket with locking arrangement and fixing with making of 375 mm x 375 mm R C C sufferer in compound wall etc all complete job as per direction of E/I (As per approved drawing & design)	No	1	1	0	28,848.00	28,848.00	28,848.00	0.00	0.00%

Handwritten signature and initials

Handwritten signature and initials

Executive Engineer
P.H. Division, Patna East Patna

Sl. No.	Items of Work	Unit	Quantity (As per Agree. & Supp. Agree.)	Quantity (As per Deviation/Variation)	Variation/ Deviation Qty.	Rate (In Rs.)	Amount (As per Agree. & Supp. Agree.)	Amount (As per Deviation/Variation) (In Rs.)	Deviation/ variation Amount	% Variation
1	2	3	4	5	6	7	8	9	10	11
1 07	Supply all materials, labour and T&P and Construction of 4M wide approach road 150mm thick by P.C.C (1:2:4) over Brick flat soiling from public road to pump house and other works such as ESR etc all complete as per direction of E/I (As per approved drawing & design)	M	40	40	0	865 00	34,600 00	34,600 00	0 00	0.00%
1 08	Supply all materials and labour for of House Connections with average 6 m (M/D)PE pipe, 15 mm ferrule as per IS 2692, specials, clamps and fittings and 15mm dia Brass Bib Cock as per attached drawing, all complete job as per direction of E/I	Nos	760	760	0	1,298 00	9,86,480 00	9,86,480 00	0 00	0.00%
1 09	Designing (aesthetically) and constructing RCC elevated service reservoirs of 150 kl capacity with 18 M. RCC staging consisting of columns, internal and external bracings spaced vertically not more than 4.5 metres centre to centre for ESR having capacity upto 500 cum and not more than 6 m c/c for ESRs having capacity above 500 Cum including excavation in all types of strata, foundation concrete, cement plaster with water proofing compound to the inside face of the container including refilling disposing off the surplus stuff within a lead of 50 metres, all labour and material charges including lowering, laying, erecting, hoisting and jointing of pipe assembly of inlet, outlet, washout, overflow and bypass arrangements as per departmental design, providing and fixing accessories such as RCC Staircase, C I manhole frame and covers, water level indicators, lightning conductor, G I pipe railing around walk way and top slab, providing spiral stair case from ground level to roof level, M S grill gate of 2 M height with locking arrangement of approved design, B B masonry chambers for all valves, ventilating shafts, providing and applying three coats of cement paint to the structure including roof slab, epoxy painting to internal surface and anti-termite treatment for underground parts of the structure and giving satisfactory water tightness test as per I S code. The job to include painting the name of the scheme and other details on the reservoir as per the directions of Engineer-in-Charge									
1.10	Notes									
(b)	The design of the structure be in accordance with relevant I S specification (I S 3370 - 1965 or revised)									
(c)	The design shall satisfy the stipulations as per I S 1893 - 1984 and I S 13920 / 1993 for seismic force and I S - 11682 / 1985 for R C C staging of overhead tanks									
(d)	For design having more than 6 columns, provision of internal bracing is obligatory External bracings is also obligatory									
(e)	The water retaining structure shall be in M-30 mix only									
(f)	Plain round mild steel bars grade-I conforming to I S 432 part-I or high yield strength deformed bars conforming to I S 1786 or I S 1139 shall be used, grade-II mild steel bars will not be allowed									
(g)	Irrespective of the type of foundation proposed in the design, one set of bracing be provided at the ground level									
(i)	These rates include providing RCC spiral Staircase									
(ii)	Staging shall have to be designed with stresses of M-25 concrete for ESR. However all RCC construction above staging height should be done in M-30									
(iii)	These rates are including the cost of uplift pressure if any and entire dewatering during execution. In case of water logging area where water is stretch at shallow depth, extra provision of dewatering shall be made as per site condition									



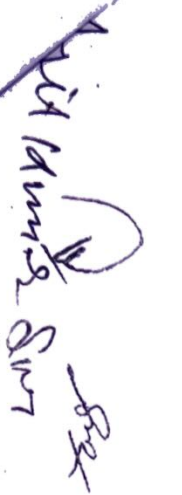




Executive Engineer
 P.M. Division, Patna East Patna

GA.



Sl. No.	Items of Work	Unit	Quantity (As per Agree. & Supp. Agree.)	Quantity (As per Deviation/ Variation)	Variation/ Deviation Qty.	Rate (In Rs.)	Amount (As per Agree. & Supp. Agree.)	Amount (As per Deviation/ Variation) (In Rs.)	Deviation/ variation Amount	% Variation
1	The work also includes the supplying and fitting & framing of Cast Iron double flanged pipes (conforming to IS 1536 2001 or IS 7181 1986 with latest amendments), fittings, Bell Mouth, Duck Foot Bends, Double Flanged Bends etc (conforming to IS 1538 1993 with latest amendments) and sluice valves (conforming to IS 14846 2000 with latest amendments) for rising delivery, overflow & washout pipes having diameter of 150mm, 200mm, 150mm & 100mm respectively from elevated Tank to ground level to disposal point outside to the Scheme campus. One sluice valve with brick masonry chamber for delivery & one for washout will be provided at the operable place. It will include construction of suitable concrete thrust blocks and supplying, fitting of all necessary bolts and nuts (conforming to IS 1363 2002), washers (3 mm thick), packing, drilling holes in flanges if required, along with expansion joints with asbestos padding, if so required etc all complete as per direction of relevant IS code and E/I									
(v)	Minimum thickness of any member any where should not be less than 150 mm for water retaining portion. Samples of fresh concrete as per IS 1199-1959 should have to be taken at suitable stages and cubes shall be made, cured and tested at 28 days in accordance with IS 516 -1959. Non destructive testing of Concrete of column, bracing and ring beam has to be carried as per IS 13311 Part 1 and Part 2 - 1992 at suitable intervals									
(vi)	The rates indicated in the table are including the cost of pipes, specials and valves required for inlet, outlet, washout, overflow and bypass arrangement. The scope of work, however, includes cost of erecting, laying and jointing of pipes and valves including cost of jointing materials upto 5 M beyond outer face of outermost column									
(vii)	For ESR upto 500 cum capacity C I double flanged pipes upto 300 mm dia shall be provided and C I specials shall be used. For ESR above 500 cum capacity C I/M S pipe assembly with minimum 8 mm thickness upto 500 mm dia and minimum 10 mm thickness above 500 mm dia can be used with proper anti-corrosive epoxy treatment from inside and outside									
(v)	One attendant room with attached toilet, of minimum 1.2 M wide x 2.1 M long x 2.7 M high and having pilled foundation and RCC roof having W/C, wash basin, water taps with floor and walls ceramic tiles up to 1.5 Meter height and septic tank and soak-pit for 5 (five) user as per IS 2470 Part 1 & Part 2 - 1983 should be provided below the first bracing at plinth height of 50cm from G.L. with 1st class brick work (1.6), RCC roof slab, steel door (2.1M x 2M) & frame made of 40mm x 40mm x 3mm angle and 3 (three) mm thick MS sheet, fully glazed steel window (1.2M x 0.9M) with front grill of 8mm square bar including painting two coats with enamel paint over a coat of primer, 25mm thick 1st class patent stone flooring over flat brick soling & 115mm dry rannam khola over 115mm sand filling with both sided plastered in 1.6 CM, RCC linel and chajja etc all complete as per standard specification, inside snowcem painting and outside Epoxy painting etc. bituminous aspration joints should be provided between brickwork 8 (Eight) point electric light wiring with standard fittings on pre cast/curtain beam with all materials and labour all complete as per direction of E/I	Job	1	1	0	23,17,456.00	23,17,456.00	23,17,456.00	0.00	0.00%
	150 K.L. and 18M Staging Height									
	All complete job of above items (As per approved drawing & design)									





Executive Engineer
 P.M. Division, Patna East Patna

Sl. No	Items of Work	Unit	Quantity (As per Agree & Supp. Agree.)	Quantity (As per Deviation/ Variation)	Variation/ Deviation Qty.	Rate (In Rs.)	Amount (As per Agree. & Supp. Agree.)	Amount (As per Deviation/ Variation) (In Rs.)	Deviation/ variation Amount	% Variation
1	2	3	4	5	6	7	8	9	10	11
1	All work related to EMP, plantation of tree and landscaping, Earth filling work for proper leveling of water work site, including leveling, dressing, excavation and filling of earth completion of works and also including all labour, materials, T&P etc required for proper completion of works and also including carriage of earth from within a distance of about 3 km from the site of works as per instructions of Engineer-in-charge	cum	3600	3600	0	279.00	10,04,400.00	10,04,400.00	0.00	0.00%
(n)	local sand	cum	90	90	0	529.00	47,610.00	47,610.00	0.00	0.00%
111	Installation of Electronically Regulated Doser type chlorinator at Source with all equipment's using Sodium hypochlorite (NaOCl)	Job	1	1	0	62,504.00	62,504.00	62,504.00	0.00	0.00%
B	Works related with Mechanical & Electrical Portion									
112	Supply, installation and testing of Submersible Pump Set having capacity of discharging 15 H.P. Submersible Motor 2900 RPM 3 phase 50 cycle/sec. 380/415 Volt, electric induction motor along with C I D/F ISI marked sluice valve and reflux valve with FASD/panel consisting Amper meter, Voltmeter etc starter including I T chain pulley block and all necessary piping, fittings, electrical and mechanical accessories etc all complete set including cost towards supplying, installation and commissioning with all labours, tools for 63 KVA Transformer (Aluminium wound) and H.T. line (0.250 km.) etc all materials and also taking connection of line with BSEB for commissioning etc all complete including supervision charge to be paid BSEB and as per direction of E/I (Providing one Pump & Motor extra for standby with same specification).	Job	1	1	0	5,38,512.96	5,38,512.96	5,38,512.96	0.00	0.00%
1.13	5-Years Operation & Maintenance Works									
1.14	Operation and Maintenance of whole water Supply system constructed under this work, after completion of trial run for providing water supply in the covered area and households for 8 hours /day for 70 lpcd at the minimum residual pressure of 7 M (Volume based Charges, for total quantity of water supplied)	Job	1	1	0.00	23,42,000.00	23,42,000.00	23,42,000.00	0.00	0.00%
1.15	Year 1 (During defect liabilities period)									
1.16	Year 2									
1.17	Year 3									
1.18	Year 4									
1.19	Year 5									
Sub Total-A (D.B. Cost) :-							23,42,000.00	23,42,000.00	0.00	0.00%
Sub Total-B (O & M Cost) :-							1,33,55,887.48	1,33,55,887.48	0.00	0.00%
Grand Total (Sub Total-A + Sub Total-B) :-							23,42,000.00	23,42,000.00	0.00	0.00%

Non BOQ/Claim Items

Sl. No	Items of Work	Unit	Quantity (As per Agree. & Supp. Agree.)	Quantity (As per Deviation/ Variation)	Variation/ Deviation Qty.	Rate (In Rs.)	Amount (As per Agree. & Supp. Agree.)	Amount (As per Deviation/ Variation) (In Rs.)	Deviation/ variation Amount	% Variation
1	2	3	4	5	6	7	8	9	10	11
1	Supply all materials, labour T & P and Construction of 1.5 Meter high Boundary wall all complete as per site condition done through piling work and provide the beam at GL & Placed direction of E/I	M	100	100	0	14,337.79	14,33,779.00	14,33,779.00	0.00	0.00%
2	Retrofiting of House connection work with 10MM GI pipe	No	760	760	0	333.00	2,53,080.00	2,53,080.00	0.00	0.00%

[Handwritten signatures and initials]

Executive Engineer
Panna East Panna

Sl. No.	Items of Work	Unit	Quantity (As per Agree. & Supp. Agree.)	Quantity (As per Deviation/Variation)	Variation/ Deviation Qty.	Rate (In Rs.)	Amount (As per Agree. & Supp. Agree.)	Amount (As per Deviation/Variation)	Deviation/ variation Amount	% Variation
1	Work for Providing and Laying of 11KV XLPE 300 sqmm Cable & 11KV KLPF 300 sqmm Ende Kit in place of H T Line as per detail estimate attached (150M)	M	0	1	1	1,93,046.00	0.00	1,93,046.00	1,93,046.00	11
2			4	5	6	7				
3		M	0	1	1	1,93,046.00	0.00	1,93,046.00	1,93,046.00	
4	Defect of HT Line Provided in the agreement	M	0	0.25	0.25	-3,07,000.00	0.00	-76,750.00	-76,750.00	
TOTAL :-							16,88,859.00	18,05,155.00	1,16,296.00	0.87%

(A)	Amount as per A.A	16,88,859.00
(B)	Amount as per Agreement + Supplementary Agreement-I	Rs. 1,39,00,000.00
(C)	Total Deviation/Variation Amount (BOQ Item)	Rs. 1,50,44,746.48
(D)	Total Non BOQ/Claim Items Amount	Rs. 0.00
(E)	Total (Deviation/Variation + Non BOQ/Claim Items) (C + D)	Rs. 1,50,44,746.48
(F)	Total Scheme Value after 2nd Deviation/Variation (B + E)	Rs. 1,16,296.00
(G)	Total Deviation/Variation Amount w.r.t to A.A (F - A)	Rs. 1,51,61,042.48
(H)	Percentage Deviation/Variation Amount w.r.t to Agreement	Rs. 12,61,042.48
(I)	Percentage Non BOQ/Claim Items Amount w.r.t to Agreement	0.77%
(J)	Percentage Deviation/Variation Amount w.r.t to A.A	0.87%

उपरोक्त वर्णित स्थिति से स्पष्ट है कि Deviation/Variation की राशि एकरारनामा की राशि से 0.77 प्रतिशत एवं प्रशासनिक स्वीकृति की राशि से 9.07 प्रतिशत अधिक है। समिति द्वारा पूर्ण विचारोपरांत लोक स्वास्थ्य अभियंत्रण विभाग, बिहार, पटना के पत्रांक-6ए/वि01-1027/2019-859 दिनांक-29.04.2020 के साथ सलन विभागीय निविदा समिति की दिनांक-22.04.2020 को सम्पन्न बैटक की कार्यवाही के कॉडिका-2 विभागीय निविदा समिति का निर्णय के आलोक में कोठावाँ एकल ग्रामीण जलापूर्ति योजना में 1.16296 लाख रुपये के द्वितीय Deviation/Variation (विचलन-2) प्रस्ताव को अनुमोदन हेतु क्षेत्रीय कार्यालय निविदा समिति के द्वारा सर्वसम्मति से स्वीकृति हेतु रखे जाने की अनुशंसा की गई है।

समिति का निर्णय:-

- समिति के अनुशंसा के आलोक में पूर्ण विचारोपरांत लोक स्वास्थ्य प्रमडल, पटना पूर्व, पटना अंतर्गत विषय बैंक सम्प्राप्ति कोठावाँ एकल ग्रामीण जलापूर्ति योजना (Batch-II) के संवेदक श्री अजीत कुमार सिंह के एकरारनामा संख्या-SBD-07/2019-20(W.B) के अंतर्गत रू० 1.16296 लाख (एक लाख सौलह हजार दो सौ छियानवे) का द्वितीय Deviation/Variation (विचलन-2) प्रस्ताव को निम्न शर्तों के साथ सैद्धान्तिक रूप से अनुमोदित करते हुए अग्रेतर कार्रवाई करने का निर्देश दिया जाता है -
- 1 Final Design Report में अनुमोदित मर्दों/मात्रा से अधिक Deviation/Variation (विचलन) में प्रावधानित मर्दों/मात्रा की स्थिति में FDR की कडिका 4. Scope of Work and Variations को पुन पुनरीक्षित कर मुख्य अभियंता महोदय से अनुमोदन प्राप्त किये जाने के उपरांत ही भुगतान की कार्रवाई सुनिश्चित किया जाएगा।
 - 2 विचलन प्रस्ताव में अनुमोदित मर्दों/मात्रा का संवेदक पूरक एकरारनामा संपादित कर शीघ्र कार्य पूर्ण करेंगे।
 - 3 विचलन कार्य स्वतंत्र के फलस्वरूप अतिरिक्त/नये मर्दों के भुगतान के पूर्व कार्यपालक अभियंता स्वयं स्थलीय निरीक्षण कर मद्दार जॉयोपरांत संतुष्ट होने के उपरांत ही भुगतान की कार्रवाई सुनिश्चित करेंगे।

(विवेक कुमल)
 प्राकलक-सह-सदस्य,
 लो०स्वा०अभि०, पटना अंचल, पटना।

(प्रमोद कुमार)
 कार्यपालक अभियंता-सह-सदस्य,
 लो०स्वा०अभि०, पटना पूर्व, पटना।

(कृष्ण अभिषेक कुमर)
 सहायक अभियंता-सह-सदस्य,
 लो०स्वा०अभि० प्रमडल, विश्वविद्यालय।

(एकज प्रियदर्शी)
 लेखा पदाधिकारी-सह-सदस्य,
 लो०स्वा०अभि० प्रमडल, पटना पूर्व, पटना।

Executive Engineer
 P.H. Division, Patna East Patna

अधीक्षण अभियंता-सह-अध्यक्ष,
 लो०स्वा०अभि०, पटना अंचल, पटना

Asst. Engineer