कार्यालय प्रमुख अभियंता
लोक स्वास्थ्य यांत्रिकी विभाग
तृतीय तल, ब्लाक–बी–4 इन्द्रावती भवन, नवा रायपुर, अटल नगर, छत्तीसगढ़

क्रमांक 79 / स्था.शा. / प्र.अ. / लो.स्वा.यां.वि. / 2021 नवा रायपुर, दिनांक 01/06/2021

Amendment No. 05/2020-21

यू.एस.ओ.आर. समिति द्वारा की बैठक दिनांक 28.05.2021 में की गई अनुशंसा एवं प्राप्त प्रस्ताव अनुसार विभागीय यू.एस.ओ.आर. जारी दिनांक 01 जून, 2020 में निम्नानुसार संशोधन किया जाता है:–

1. विभागीय यू.एस.ओ.आर. जारी दिनांक 01 जून, 2020 के Chapter no. XIX- Item no. 19.35 Page no. 253 में निम्नानुसार संशोधन किया जाता है:–

Chapter no. XIX- Item no. 19.35 Page no. 253 is deleted and replaced as under		
Particulars of Item	**Unit**	**Rates in Rs.**
Providing and constructing one stand post as per type design with excavation 15 cm thick PCC 1:3:6 bedding 20mm thick PCC 1:2:4 convert for platform of 1.5m x 1.5m with side curb and bucket rest of 80 mm dia. 160mm dia PVC pipe central post duly filled therein with C.C. 1:2:4, 2.2m long, 15 mm dia medium G.I. pipe. From point of tapping to stand post additional 1620 (20mm dia) composite pipe 6.0 m long. Providing and fixing of 15mm dia, one steel water tap, Integrated Saddle piece which include Poly Propolence Mechanical Saddle with Flow Control Valve SS 316 and compression elbow, 5 LPM complete together with all labour and material charges as per drawing and as directed by Engineer-in-charge when good foundation in available. Rate includes draining arrangement by excavation open gutters complete.	Each	6969

उपरोक्त Job work में लिए गये कार्यों एवं दरों का विश्लेषण संलग्न गणना पत्रक Annexure-VI (a) एवं VI (b) में दर्शित है।

निरंतर ..2

Annexure-VI

VI(a)

उपरोक्त आयटम विस्तृत प्राक्कलन निम्नानुसार है :–

DETAILED ESTIMATE

Name of work - Functional House hold Tap Connection using Integrated Saddle Piece with flow control valve

Plateform size 1.5 x 1.5 mtr **Estimated Cost Rs. 6969.00**

S.No.	Item of work	Quantity	Rate	Unit	Amount
1	Demolishing cement concrete manually/ bymechanical means including disposal of material within 50 m lead as per direction of engineer-in-charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix) (PHE SOR Item no 18.29.1 page 227) 1.0 x 1.0 x 0.15m = 0.15	0.15	758	Cum	113.70
2	Earth work in Excavation for pipe trench in ordinary soil areas including dressing, watering and ramming and disposal of Excavted earth lead up to 50 meters and lift up to 1.5m disposal earth to be levelled neattly dressed. (PHE SOR Item no. 18.15 page 225 1.0 x 1.0 x 0.85m = 0.85 cum	0.85	161	Cum	136.85
3	Earth work in Excavation for pipe trench in ordinary soil areas including dressing, watering and ramming and disposal of Excavted earth lead up to 50 meters and lift up to 1.5m disposal earth to be levelled neattly dressed. (PHE SOR Item no. 18.15 page 225 6.25 x 0.30 x 0.50m = 0.9375 cum	0.9375	161	Cum	150.94
4	Providing and fixing of following integrated saddle piece including SS 316 flow control valve and female thread adoptor for usage in Drinking water Household Connection as per GoI Guideline, R &D Innovation directive in guidelines & tamper free operation & application inclusive of all materials, Central, State and Municipal taxes and duties inspection charges, transit insurance, loading/unloading for site unloading & stacking etc. complete, as per direction of Engineer-in-Charge. 90 mm dia	1	794	Each	794.00
5	Providing and fixing polyethylene Aluminium Polyethylene (PE-AL-PE) composite Pressure Pipes conforming to IS- 15450 U.V. stablized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C .including all specials and fittings of composite material (engineering plastic. gland and brass insert wherever required) e.g. elbow, tees. reducers, couplers and connectors with clamp at 1m spacing. This includes testing of joints complete as per the directions of engineer-in-charge (External work) (PHE SOR Item no. 19.38.2 page 255) 1620 (20 mm OD) Pipe	6	175	Mtr	1050.00

6	Providing & supply of compression fittings, PN1.6 rated in Conformation to ISO: 14236-2000 and shall be tested as per ISO: 3459, ISO: 3501 & ISO: 3503, suitable for drinking water & approved by WRAS, UKI KIWA etc. in food grade polyproylene and shall be inclusive of all cost such as testing, all taxes related to central, state& municipal, inspection charges, transportation up to site, transit insurance, loading, unloading, stacking etc. complete (PHE SOR Item no. 9.11.1.1 page 130) (Compression 90 Deg. Elbow threaded Female off take in polyprolene) 20x15mm dia	1	173	Each	173.00
7	Providing, laying and jointing of galvanished Iron (MS) Pipes with specials (such as bends, elbow, tees etc.) class light, medium & heavy including testing of joints, cost of pipes specials and jointing materials all complete. Pipes and sockets conforming to IS-1239/2004 Part-I & Part-II 15mm dia (PHE SOR Item no. 6.1 page 89)	1.5	108	Mtr	162.00
8	Providing & laying mechanically mixed cement concrete 20mm maximum size graded crushed stone excluding cost of centring & shuffering. In Plinth & Foundation M-15 (PHE SOR Item no. 18.41.1.2 page 229) 1.0 x 1.0 x 0.15m = 0.15 0.30x0.30x0.30 = 0.027 0.785x0.15x0.15x 1.5 = 0.026 = 0.203 cum	0.203	4774	Cum	969.12
9	Providing & fixing water taps stainless steel (PHE SOR Item no 6.17 page 95) 20mm dia	1	254	Each	254.00
10	Filling available excavated earth in trenches, plinth sides of foundation in layers not exceeding 20cm. In depth including consolidation of each layer by ramming watering, lead up to 50m and lift up to 1.5m in all kinds of soils filling available excavated earth in trenches, lead up to 50m and lift up to 1.5m in all kind of soil excluding watering and ramming. (PHE SOR item no 18.22 page 227) 1.937 - 0.097 = 1.84 cum	1.84	66	cum	121.44
11	Providing and fixing following UPVC pipes with solvent cement joint for non pressure pipe including testing of joints, cost of jointing materials etc. complete in all respect. 160mm dia	1.5	200	cum	300.00
12	Cost of RCC plateform 1.5m by 1.5m	1	2744	cum	2744.00
		Total			**6969.05**
	Round off win wce& T & P etc.	**Say Rs.**			**6969.00**

(Rs. Six thousand nine hundred sixty nine only)

Annexure-VI (b)

Sub Estimate (Item no. 12)

Name of work :- Construction of Cement concrete Plate Form for Stand Post Size 1.5 x 1.5mtr.

Estimate cost Rs. 2744.00

S. No.	PHE SOR Item No. Page No.	Particulaers of Work	Qty.	Rate (In Rs.)	Unit	Amount (In Rs.)
1	2	3	4	5	6	7
1	18.15 / 225	Earth work in excavation for pipe trench in ordinary soil areas including dressing, watering, ramming and disposal of excavated earth lead up to 50m and lift up to 1.5m, disposal earth to be levelled, neatly dressed. In All types of Soils				
		1 No x 1.50 x 1.50 x 0.05m	0.1125	161.00	Cum	18.11
2	18.41.1.1/ 229	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering & shuttering. 1:3:6 (M 10)				
		Plat form (1 No x 1 .50 x 1. 50 x 0.15m)	0.3375			
		Drain (1 No x 0.30 x 0.30 x 0.15m)	0.0135			
			0.351	4182.00	Cum	1467.88
3	18.41.1.2/ 229	Providing & laying mechanically mixed cement concrete 20mm nominal size graded crushed stone excluding cost of centering & shuttering. 1:2:4 (M 15)				
		Plat form (1 No x 1.50 x 1.50 x 0.02m)	0.045			
		Plat form (1 No x 0.30 x 0.30 x 0.02m)	0.002			
		Wall-Plat form (4 No x 1.40 x 0.10 x 0.10m)	0.056			
		Wall-Drain (1 x 2 No x 0.30 x 0.10 x 0.10m)	0.006			
		Stand (0.785 x 0.20 x 0.20 x 0.80m)	0.025			
			0.134	4774.00	Cum	639.72
4	18.64.1/ 233	Providing & fixing form work i/c centering and shuttering including strutting. propping etc. and removal of form work for: Foundation , footing, bases of columns, etc for mass concrete				
		For Plat form (4 No x 1.50 x 0.27m)	1.51			
		For Plat form (4 No x 1.30 x 0.10m)	0.52			
		Drain (2 x 0.30 x 0.27m)	0.16			
		Drain (2 No x 0.30 x 0.10m)	0.06			
		Stand (0.785 x 0.20 x 0.80m)	0.5			
			2.75	185.00	Sqm	508.75
5	18.61.5/ 232	Neat cement punning				
		1.50x 1.50+4x1.50x0.17+4x1.30x0.10+0.30x0.86	4.04	27.00	Sqm.	109.08
					Total Rs	**2743.54**
					Say Rs.	**2744.00**
(Rs. Two thousand seven hundred forty four only)						

2. विभागीय यू.एस.ओ.आर. के Chapter no. IV – Item no. 4.33 Page no. 70 की दरें कार्यालयीन आदेश क्रमांक 64, दिनांक 09.04.2021 द्वारा जारी अमेंडमेंट नंबर 02/2020–21 के सरल क्रमांक 2 में निम्नानुसार संशोधन किया गया है:–

क्र.	**Chapter no. IV – Item no. 4.33 Page no. 70 is deleted and replaced as under**		
	Perticulars Item	**Unit**	**Rates in (Rs.)**
2	Providing, Laying including testing and Jointing of welded double flanged centrifugal cast (spun) ductile Iron Pressure pipes conforming to IS: 8329/2000 in the length of 5.2m. for class K-9 with cement mortar lining for the following sizes/ dia pipes.		
	100 mm dia	Each	32509
	150 mm dia	Each	39222
	200 mm dia	Each	50305
	250 mm dia	Each	60973
	300 mm dia	Each	81916
	350 mm dia	Each	91400
	400 mm dia	Each	122551
	450 mm dia	Each	132509
	500 mm dia	Each	139222
	600 mm dia	Each	150305

उपरोक्त विभागीय यू.एस.ओ.आर. के Chapter no. IV – Item no. 4.33 Page no. 70 एवं कार्यालयीन आदेश क्रमांक 64, दिनांक 09.04.2021 द्वारा जारी की गई अमेंडमेंट नंबर 02/2020–21 के सरल क्रमांक 2 को विलोपित किया जाता है।

यह आदेश तत्काल प्रभावशील माना जावे।

01.6.2021

प्रमुख अभियंता
लोक स्वास्थ्य यांत्रिकी विभाग
छत्तीसगढ़, नवा रायपुर

पृ.क्रमांक 3769 त.शा./प्र.अ./लो.स्वा.यां.वि./2021 नवा रायपुर, दिनांक 01/06/2021

प्रतिलिपि :–

1) सचिव, छत्तीसगढ़ शासन, लोक स्वास्थ्य यांत्रिकी विभाग, मंत्रालय, महानदी भवन, नवा रायपुर की ओर सूचनार्थ।
2) मिशन संचालक, जल जीवन मिशन, नीर भवन, रायपुर की ओर सूचनार्थ।
3) प्रमुख अभियंता, जल संसाधन विभाग/लोक निर्माण विभाग, छत्तीसगढ़ की ओर सूचनार्थ।
4) महालेखाकार, छत्तीसगढ़, रायपुर की ओर सूचनार्थ।
5) मुख्य तकनीकी परीक्षक, छत्तीसगढ़, इंद्रावती भवन, नवा रायपुर की ओर सूचनार्थ।
6) मुख्य अभियंता, लोक स्वास्थ्य यांत्रिकी विभाग, परिक्षेत्र रायपुर/बिलासपुर/जगदलपुर की ओर सूचनार्थ एवं पालनार्थ प्रेषित।
7) अधीक्षण अभियंता,लो.स्वा.यां.वि.,मंडलरायपुर/दुर्ग/बिलासपुर/अंबिकापुर/जगदलपुर/कोण्डागांव एवं (वि./यां.) मंडल रायपुर की ओर सूचनार्थ एवं पालनार्थ प्रेषित।
8) कार्यपालन अभियंता, लोक स्वास्थ्य यांत्रिकी, खंड/परियोजना खंड/(वि./यां.) खंड ..... की ओर सूचनार्थ एवं पालनार्थ प्रेषित।

01.6.2021

प्रमुख अभियंता
लोक स्वास्थ्य यांत्रिकी विभाग
छत्तीसगढ़, नवा रायपुर