



भारतीय वानिकी अनुसंधान एवं शिक्षा परिषद
INDIAN COUNCIL OF FORESTRY RESEARCH AND EDUCATION
(पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार की एक स्वायत्त संस्था)
(An Autonomous body under the Ministry of Environment, Forest and Climate Change, Government of India)
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P. O. New Forest, Dehradun – 248006 (Uttarakhand)

No. 7/2018/ESIP/BCC/ICFRE/82

Dated: 23/02/2021

Corrigendum for Request for Quotations for fencing of the carbon flux tower site alongwith construction of temporary security hut at carbon flux installation site in Madhya Pradesh

Name of Project: Ecosystem Services Improvement Project

Procurement Reference No.: IN-ICFRE-215710-CW-RFQ

SOR (Schedule of Rate) items number have been given in the format of quotation (Annexure-I) as per following:-

S. No.	Particular	Quantity	Price Quoted (INR)		
			Unit Price	GST	Total
1	(S.O.R.I. No. – 2.8) Excavation rock in narrow areas Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (No extra lift is payable if work is done by mechanical means) [For Angle Iron Post 50x50x5x@2.5 m C/C - Fencing (No=14, L=0.45, B=0.45, H/D=0.60, Qty=1.70) Struts (No=8, L=0.70, B=0.50, H/D=0.45, Qty=1.26) Gate column (No=2, L=0.45, B=0.45, H/D=0.70, Qty=0.28)	3.24 Cum			
2	(S.O.R.I. No. – 4.1.2.3) C.C. upto plinth level - Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level : With 40mm nominal size graded stone aggregate. 4.1.2.3 - M-7.5 Nominal Mix -1 Cement : 4 sand : 8 graded stone aggregate Fencing (No=14, L=0.45, B=0.45, H/D=0.60, Qty=1.70) Struts (No=8, L=0.70, B=0.50, H/D=0.45, Qty=1.26) Gate column (No=2, L=0.45, B=0.45, H/D=0.70, Qty=0.28)	3.24 Cum			
3	(S.O.R.I. No. – 10.1) Structural steel work single section - Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Angle for fencing 50 x 5 – Fencing (No=14, L=2.50, B=3.80, Qty=133.00) Struts (No=8, L=1.90, B=3.80, Qty=57.76) Gate column (No=2, L=2.60, B=4.90, Qty=25.48)	216.24 Kg			
4	(S.O.R.I. No. – 10.35) Fencing with G.I. chain link fabric 3mm dia - Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia. 3mm including strengthening with 2mm dia. wire or nuts, bolts and washers as required complete, with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x60cm of mix 1:5:10 (1cement :5 sand : 10 graded stone aggregate 40mm nominal size) every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50cm of the same mix, as per the direction of Engineer-in-Charge. (cost of post painting earth work & C.C. to be paid separately) 38x1.80 = 68.40	68.40 Sqm			
5	(S.O.R.I. No. – 10.2) Structural steel work built up sections – Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Gate - L.S. -	100.00 Kg			

*SOR – Schedule of Rate, *PWD – Public Works Department, *Sqm – Square meter, *Cum – Cubic meter

(B). Construction of Chain Link Fencing (Outer)					
S. No.	Particular	Quantity	Price Quoted (INR)		
			Unit Price	GST	Total
1	<p>(S.O.R.I. No. – 2.8) Excavation rock in narrow areas Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (No extra lift is payable if work is done by mechanical means) [For Angle Iron Post 50x50x5] - Fencing (No=125, L=0.45, B=0.45, H/D=0.60, Qty=15.18) Struts (No=14, L=0.70, B=0.45, H/D=0.50, Qty=2.20) Gate column (No=2, L=1.50, B=1.50, H/D=1.50, Qty=6.75)</p>	24.13 Cum			
2	<p>(S.O.R.I. No. – 4.1.2.3) C.C. upto plinth level – Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level : With 40mm nominal size graded stone aggregate. 4.1.2.3 - M-7.5 Nominal Mix -I Cement : 4 sand : 8 graded stone aggregate Post (No=125, L=0.45, B=0.45, H/D=0.60, Qty=15.18) Struts (No=14, L=0.70, B=0.45, H/D=0.50, Qty=2.20) Gate column (No=2, L=1.50, B=1.50, H/D=0.10, Qty=0.45)</p>	17.83 Cum			
3	<p>(S.O.R.I. No. – 5.1.1.1) RCC upto plinth - Providing and laying in position specified grade of reinforced cement concrete (with 20mm nominal size graded stone aggregate) excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 5.1.1 - M-20 Grade Concrete Col. - 2x1.50x1.50x0.15 = 0.67 For Gate - 2x0.60x0.60x0.30 = 0.21 2x0.30x0.30x3.35 = 0.60 P.B. - 4x0.23x0.23 = 0.21</p>	1.69 Cum			
4	<p>(S.O.R.I. No. – 10.29.2) Supplying at site - 10.29.2 Angle iron post and strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete. (cost of earth work in excavation and concrete work in foundation to be paid separately) Angle 50 x 5 - 125x3.00x3.80 = 1425.00 Struts - 14x2.40x3.80 = 127.68</p>	1552.68 Kg			
5	<p>(S.O.R.I. No. – 10.35) Fencing with G.I. chain link fabric 3mm dia - Providing and fixing G.I. chain link fabric fencing of required width in mesh size 25x25 mm made of G.I. wire of dia. 3mm including strengthening with 2mm dia. wire or nuts, bolts and washers as required complete, with posts of specified material and of standard design placed and embedded in cement concrete blocks 45x45x60cm of mix 1:5:10 (1cement :5 sand : 10 graded stone aggregate 40mm nominal size) every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and struts embedded in cement concrete blocks 70x45x50cm of the same mix, as per the direction of Engineer-in-Charge. (cost of post painting earth work & C.C. to be paid separately) [80x4.00 - 4.60] = 315.40 315.40x2.40 = 756.96</p>	756.96 Sqm			
6	<p>(S.O.R.I. No. – 10.2) Structural steel work built up sections - Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Gate - 250.00</p>	250.00 Kg			
7	<p>(S.O.R.I. No. – 5.16.1) Reinforcement - Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding including cost of binding wire all wastages and overlaps, couplers (overlaps shall be provided as per requirement of IS 13920 for ductile detailing IS 456 RCC Design & SP 34 Reinforcement detailing) etc. complete . (Note:- 1. Spacer bars (chairs) shall be paid separately as shown in the drawing and as per direction of engineer in charge. 2. No extra payment shall be done for overlaps and/or couplers. 3. Couplers shall be conforming to IS code on "Reinforcement Couplers for Mechanical Splices of Bars for Concrete Reinforcement - Specification") 70 kg / Cum of R.C.C. – 1.69 x 70.00 = 118.30</p>	118.30 Kg			
8	Add for Paintings	-			

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(C). Construction of Security Hut					
S. No.	Particular	Quantity	Price Quoted (INR)		
			Unit Price	GST	Total
1	<p>(S.O.R.I. No. – 2.8) Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. (No extra lift is payable if work is done by mechanical means) All kinds of soil.</p> <p style="text-align: right;">Room - C.L. - $3.03 \times 2 + 3.58 \times 2.00 = 13.22$ Room - $13.22 \times 0.60 \times 0.75 = 5.95$ Steps - $1.10 \times 0.60 \times 0.30 = 0.19$</p>	6.14 Cum			
2	<p>(S.O.R.I. No. – 4.1.2.3) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 4.1.2 With 40mm nominal size graded stone aggregate. 4.1.2.3 Nominal Mix - 1 Cement : 4 sand : 8 graded stone aggregate (M -7.5)</p> <p style="text-align: right;">Room - $13.22 \times 0.60 \times 0.15 = 1.19$ Under floor - $3.35 \times 2.80 \times 0.10 = 0.94$ Steps - $1.10 \times 0.60 \times 0.10 = 0.06$</p>	2.19 Cum			
3	<p>(S.O.R.I. No. – 6.5.2) Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg /cm² and water absorption not more than 20% in foundation and plinth i/c curing etc complete. 6.5.2 Cement Mortar 1:6 (1 cement : 6 sand).</p> <p style="text-align: right;">Room - $13.22 \times 0.34 \times 0.90 = 4.04$ Steps - $1 \times 0.60 \times 0.30 = 0.18$</p>	4.22 Cum			
4	<p>(S.O.R.I. No. – 6.6.2) Brick work with well brunt open bhatta, bricks, crushing strength not less than 25kg / cm² and water absorption not more than 20% in superstructure above plinth level and up to floor two level i/c curing etc complete. 6.6.2 Cement Mortar 1:6 (1 cement : 6 sand)</p> <p style="text-align: right;">Walls - $13.22 \times 0.34 \times 2.90 = 13.03$ Ded. - D - $2 \times 0.90 \times 2.00 \times 0.23 = 0.82$ $1 \times 0.70 \times 1.80 \times 0.23 = 0.29$ W - (-) $1 \times 1.20 \times 1.20 \times 0.23 = 0.33$ V - (-) $1 \times 0.60 \times 0.45 \times 0.23 = 0.06$ Total - $13.03 - 1.50 = 11.53$ Mas. For Parapet - $10.96 \times 0.23 \times 0.30 = 0.75$</p>	12.28 Cum			
5	<p>(S.O.R.I. No. – 4.10) Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 12.5mm nominal size).</p> <p style="text-align: right;">$13.22 \times 0.23 = 3.04$</p>	3.04 Sqm			
6	<p>(S.O.R.I. No. – 13.2.2) 15 mm cement plaster on the rough side of single or half brick wall of mix : 13.2.2 1:6 (1 cement : 6 sand)</p> <p style="text-align: right;">Inner - $2 \times 3.35 \times 2.90 = 19.43$ $2 \times 2.80 \times 2.90 = 16.24$ Outer - $2 \times 3.81 \times 3.10 = 23.62$ $2 \times 3.26 \times 3.10 = 20.21$ Parapet - $10.96 \times 0.83 = 9.09$ Ded. - $2 \times 0.90 \times 2.00 = (-) 3.60$ $1 \times 0.70 \times 1.80 = (-) 1.26$ $1 \times 1.20 \times 1.20 = (-) 1.44$ $1 \times 0.60 \times 0.45 = (-) 0.27$</p>	82.02 Sqm			
7	<p>(S.O.R.I. No. – 10.1) Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete Choukhats & Roof - (L - 40x5) –</p> <p style="text-align: right;">$3 \times 3.50 \times 3.00 = 31.50$ (L - 35x5) D = $5 \times 1.00 = 5.00$ D - $4.30 \times 1.00 = 4.30$ W - $4.80 \times 1.00 = 4.80$ V - $2.10 \times 1.00 = 2.10$ Total - $16.20 @ 2.60 = 42.12$</p>	31.50 Kg 42.12 Kg			
8	<p>(S.O.R.I. No. – 10.2) Structural steel work built up sections – Structural steel work using M.S. flats, angles, channels I-section, H-section etc. riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.</p> <p style="text-align: right;">W - 16.00 V - 5.00</p>	21.00 Kg			
9	<p>(S.O.R.I. No. – 10.5.1)</p>	4.50 Sqm			

	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x5mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. 10.5.1 Using M.S. angels 40x40x6mm for diagonal braces D - 0.90x2.00 = 1.80 0.70x1.80 = 1.26 W - 1.20x1.20 = 1.44				
10	(S.O.R.I. No. – 13.56.2) Epoxy paint: - Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. 13.56.2 - On concrete work Room - D - 1x0.90x2.00x2.20 = 3.96 1x0.70x1.80x2.20 = 2.77 W - 1x1.20x1.20x2.20 = 3.16 V - 1x0.60x0.45 = 0.27	10.16 Sqm			
11	(S.O.R.I. No. – 11.1) Cement concrete flooring 40mm thick – 40 mm thick Cement concrete flooring 1:2:4 (1 cement : 2 sand : 4 graded stone aggregate) 20mm nominal size stone aggregate in panels finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.(Area of panel not to exceed 2.0 sqm) Room - 3.35x2.80 = 9.38 Steps - 1x0.60 = 0.60	9.98 Sqm			
12	(S.O.R.I. No. – 17.1.1) Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, uPVC P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : 17.1.1 White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	1.00 Each			
13	(S.O.R.I. No. – 6.14.2) Providing half brick masonry with well burnt open bhatta bricks crushing strength not less than 25 kg /cm ² and water absorption not more than 20% in superstructure above plinth level and up to floor two level. 6.14.2 Cement mortar 1:4 (1 cement : 4 sand) 2.70x2.90 = 7.83	7.83 Sqm			
14	(S.O.R.I. No. – 13.1.2) 12 mm cement plaster of mix : 13.1.2 1:6 (1 cement : 6 sand) 2x2.70x2.90 = 15.66	15.66 Sqm			
15	(S.O.R.I. No. – 13.43.1) White washing with lime to give an even shade: 13.43.1 New work (three or more coats) As per plaster - 87.02 + 15.66 = 102.68	102.68 Sqm			
16	(S.O.R.I. No. – 12.1.3) Providing corrugated G.S. sheet roofing including vertical/ curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead and including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete upto any pitch in horizontal/ vertical or curved surfaces) excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. 12.1.3 0.63 mm thick with zinc coating not less than 275gm/m ² 3.58x3.60 = 12.88	12.88 Sqm			
17	(S.O.R.I. No. – 12.11) Extra for providing and fixing wind ties of 40x 6mm flat iron section. 3x3.50 = 10.50	10.50 Meter			
18	Add for Septic Tank & S.W. Fittings - Sign Board & Figuring -	-			
19	Add. Miscellaneous	-			

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Rest of the terms and conditions of the Request for Quotation (letter no. 7/2018/ESIP/BCC/ICFRE dated: 22/02/2021) remain unchanged.


 (Dr. R.S. Rawat)
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