



कार्यालय:-वन प्रमंडल पदाधिकारी, हजारीबाग पूर्वी वन प्रमंडल।

वन भवन-1, हजारीबाग, 825301 (झारखण्ड)

E-mail: dfo-hazaribagheast@gov.in; dfohazaribagheast@gmail.com

पत्रांक : 2233 दिनांक : 21/07/23

सेवा में,

प्रोजेक्ट मैनेजर,
जुडको, हजारीबाग।

विषय :- झारखण्ड अर्बन इंफ्रास्ट्रक्चर डेवलपमेंट कंपनी लिमिटेड (जुडको) का कोनार डैम से हजारीबाग शहर तक पाईप लाईन जलापूर्ति योजना हेतु विभिन्न अवयवों के निर्माण हेतु 3.561 हे० वन भूमि अपयोजन के प्रस्ताव के संबंध में।

प्रसंग :- भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, एकीकृत क्षेत्रीय कार्यालय, रांची का पत्र संख्या FP/JH/Water/35936/2018/1279 दिनांक 17.07.2023

महाशय,

उपर्युक्त विषयक प्रासंगिक पत्र के संबंध में सूचित करना है कि विषयगत परियोजना हेतु हजारीबाग पूर्वी वन प्रमंडल के अंतर्गत कोनार डैम से हजारीबाग शहर तक पाईप लाईन जलापूर्ति योजना हेतु विभिन्न अवयवों के निर्माण में कुल 3.561 हे० वन भूमि वन संरक्षण, अधिनियम 1980 के प्रावधानों के तहत भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, एकीकृत क्षेत्रीय कार्यालय, रांची के पत्रांक - FP/JH/Water/35936/2018/1279 दिनांक 17.07.2023 द्वारा 18 शर्तों के साथ सैद्धांतिक सहमति (स्टेज-1) प्रदान की गई है। (छायाप्रति संलग्न) भारत सरकार द्वारा लगाये गये शर्त संख्या A(1) & (3) के अनुपालन हेतु मांग पत्र इस पत्र के साथ संलग्न कर भेजी जा रही है। शर्त संख्या B (3) के अनुपालन में शपथ-पत्र (Undertaking) प्रयोक्ता अभिकरण करना होगा कि यदि प्रस्तावित वन भूमि का शुद्ध वर्तमान मूल्य (एन०पी०भी०) दर में वृद्धि होती है तो संशोधित वृद्धि दर पर बकाया राशि विभाग के पक्ष में जमा करना होगा।

अतः अनुरोध है कि मांग-पत्र के अनुकूल भुगतये राशि झारखण्ड कैम्पा Account E-portal पर Online E-challan Generate करते हुए चलान के माध्यम से उक्त राशि जमा किया जाय तथा राशि जमा करने संबंधी प्रमाण-पत्र इस कार्यालय को समर्पित किया जाय। (RTGS/NEFT या अन्य किसी माध्यम से किसी परिस्थिति में राशि अंतरण नहीं किया जाय।) उक्त के अतिरिक्त शेष सभी शर्तों का कंडिकावार अनुपालन प्रतिवेदन भी यथाशीघ्र समर्पित करें ताकि अग्रेतर कार्रवाई की जा सके।

अनुलग्नक-यथोक्त।

विश्वासभाजन

30/07/23
27-07-2023
वन प्रमंडल पदाधिकारी,
हजारीबाग पूर्वी वन प्रमंडल।
27.7.23
M/21/7

Requisition Letter

In-principle (Stage-I) approval of Cental Government under Forest (Conservation) Act 1980 of diversion of 3.561 ha. of Forest land in favour of Jharkhand Urban Infrastructure Development Company (JUDCO) Limited for augmentation and strengthening of drinking water supply System for Hazaribagh Municipal area under Hazaribagh East Forest Division, the requisition details is given as below: -

A (1) The Cost of compensatory afforestation on 7.122 ha. CA land (including 6.88 ha GMJJ land as applied and additional required 0-242 Ha GMJJ/DFL) at the prevailing wage rates as per compensatory afforestation scheme (including the cost of survey, demarcation and erection of permanent pillars etc. as required for securing the land against encroachment) shall be deposited in advance with the State Forest Department by the project authority. The CA will be maintained for 10 years. The Scheme may include appropriate provision for anticipated cost increase for works scheduled for subsequent years.	1. Cost of one Pillar = Rs. 4834/- (i) Total no. of pillars in <u>Dumardiha</u> = 13 Cost of Pillaring - 4834 x 13 = Rs. 62,842.00 2. Cost of CA on 7.122 ha. = Rs. 35,62,587.00 (Estimates are attached as Annexure-1 & Annexure-2)	Total cost of pillaring = 62,842.00 Total cost of CA = <u>35,62,587.00</u> Grand Total Rs. 36,25,429.00
A (2) The State Government shall charge the Net Present Value (NPV) for the 3.561 ha. forest area to be diverted under this proposal from the User Agency as per the order of the	NPV/ha. for eco class III = Rs. 9,57,780.00 Total NPV for 3.561 ha. = 34,10,655.00 (Caluclation sheet attached as Annexure-03)	34,10,655.00

Hon'ble Supreme Court of India dated 30/10/2002, 01/08/2003, 28/03/2008, 24/04/2008 and 09/05/2008 in IA No. 566 in WP (C) No.202/1995 and as per the guidelines issued by the Ministry vide letters No. 5-1/1998-FC (Pt.II) dated 18/09/2003, as well as letter No. 5-2/2006-FC dated 03/10/2006, 5-3/2007-FC dated 05/02/2009 and letter No. 5-3/2011-FC(Vol-I) dated 6/1/2022 in this regard.		
	Total:-	70,36,084.00


 Divisional Forest Officer,
 Hazaribagh East Forest Division
 27/7/2022

Description	No.	L	B	H	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
		Mtr	Mtr	Mtr				
3	4	5	6	7	8	9	10	11
1x5x(150+200)x2 = 6.5m Providing Tor steel reinforcement 10mm, 12mm & 16mm dia bars as per approved design and drawing excluding carriage of MS Bars to work site, cutting, bending and binding with annealed wire with cost of wire removal of rust, placing the rods in position all compelteas per building specification and direction of E/I.					0.00304	mt	83314.02	253.27
(a) 10mm (TMT coil Fe 500) only valid for SAIL & TATA stell)					0.0156	m ³	82096.54	1280.71
2018 Carriage of materisl from nearest accessible site to pillar construction site (scattered forest area) by head load mandays pillar					1	md	346.01	346.01
2018 Painting top by green of writing & FD year and aroow					1	md	346.01	346.01
Carriage of materisl								
a Sand 20km					0.155	m ³	423.56	65.65
b Stone chips 25km					0.215	m ³	457.00	98.26
c birck 1k+7pkm					0.0116	nos	538.20	6.24
d cement 10km					0.0755	m ³	360.00	27.18
e steel 10km					0.0186	mt	360.00	6.70
					Sub Total:-			4372.61
								316.36
Less C.P. 9.1% exl. It. No. 9, 10							Sub Total:-	4056.25
								730.13
Add GST 18%							Sub Total:-	4786.38
								47.86
Add Labour cess 1%							TOTAL:-	4834.24
							OR SAY RS:-	4834.00

Submitted by

sd/-

Range Forest Officer
Bagodar Forest Range

Countersigned

[Signature]

Divisional Forest Officer
Hazaribag East Forest Division

Forest, Environment & Climate Change Department, Jharkhand
Hazaribag East Forest Division
RDF Plantation Under Compensatory Afforestation Scheme (CAMPA)
Hazaribagh Urban Water Supply Scheme (Diverted Area 3.561 ha.)

Name of Scheme
 Name of Agency
 Name of Range
 Name of Thana/ Thana no.
 Name of Site
 Khata/ Plot no.

BAGODAR
BAGODAR/238
DUMARDIHA
2

Net Area of Site (ha) 7.122
 Length of fencing 58 Chain

Wage Rate (Rs./Mandays)

346.01

No. of plants/ha 1000
 Spacing 3mx3m, 2mx2m, 3mx2m

Sl. No.	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
1	2	3	4	5	6	7	8	9
I	Advance Work (1st Year) 2023-24							
1	Survey & Demarcation	ha	3	50.00	7392.85	356.10	7748.95	
2	Site Clearance	ha	7	0.00	17249.98	0.00	17249.98	
3	Cut beak Coppicing, Climber Cutting, Stump Dressing etc.	ha	10	0.00	24642.83	0.00	24642.83	
4	Trench Fencing- 1.83mx1.22mx1.22m by hydraulic machine	Chain	2	2657.15	40137.16	154114.70	194251.86	
5	Soil Work -Pit digging 0.30mx.30mx0.30m	ha	22	0.00	54214.23	0.00	54214.23	
6	Soil & Water Conservation work- Gully Plugging, Silt Detention Dam, Contour Trench Works etc.	ha	45	0.00	110892.74	0.00	110892.74	
7	Nursery (part)- Raising of plants including watering, maintenance & protection	ha	10	0.00	24642.83	0.00	24642.83	
8	Materials- Polythene bag, Seeds, Fertilizers, Manures, Chemicals, Fencing material etc. . (Add GST 18% (2025 + 2025 x 18% = 2389.50)	ha	0	2389.50	0.00	17018.02	17018.02	
9	Miscellaneous Works- Sign Boards, Photography etc. . (Add GST 18% (250+250 x 18% = 295.00)	ha	0	295.00	0.00	2100.99	2100.99	
	Sub-Total		99	5391.65	279172.63	173589.81	452762.44	
10	Labour Cess (01 % of Wages Component)						2791.73	
	Sub-Total						455554.17	
11	Contingency 2%						9111.08	
	Total:-						464665.25	
II	Completion Work (2nd Year) 2024-25			397.91				
1	Nursery (part) including watering sorting, seed sowing, maintenance & protection	ha	13	400.00	36840.90	2848.80	39689.70	
2	Planting	ha	22.00	0.00	62346.13	0.00	62346.13	
3	Two Weeding and Hoeing	ha	25.00	0.00	70847.88	0.00	70847.88	
4	Seed Sowing on Trench Berm	ha	2	0.00	5667.83	0.00	5667.83	

1	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
2	3	4	5	6	7	8	9	
5	Protection of plants	site	275	0.00	109425.25			
6	Materials- Seeds, Fertilizers, manures, Chemicals etc.. (Add GST 18% (2363+2363 x 18% = 2788.34)	ha	0	2788.34	0.00	0.00	109425.25	
7	Miscellaneous Works- Sign Boards, Photography etc. . (Add GST 18% (250+250 x 18% = 295.00)	ha	0	295.00	0.00	19858.56	19858.56	
	Total		337.00	3483.34	285127.98	24808.35	309936.33	
8	Labour Cess (01 % of Wages Component)						2851.28	
	Sub-Total						312787.61	
9	Contingency 2%						6255.75	
	Total:-						319043.36	
10	Entry Point Activities (15% Total Cost of Advance work + Completion work)						117556.29	
	Total:-						436599.65	
III	Maintenance Work (3rd Year) 2025-26			457.60				
1	One Weeding and Hoeing	ha	14	0.00	45626.38	0.00	45626.38	
2	Fertilizer etc . (Add GST 18% (1419.86+1419.86 x 18% = 1675.43)	ha	0	1675.43	0.00	11932.41	11932.41	
3	Protection of plants	site	365	0.00	167024.00	0.00	167024.00	
4	Fencing Repair	Chain	1	0.00	26540.80	0.00	26540.80	
5	Casualty Replacement etc . (Add GST 18% (1000+1000 x 18% = 1180.00)	ha	4.4	1180.00	14339.72	8403.96	22743.68	
	Total		384.40	2855.43	253530.90	20336.37	273867.27	
10	Labour Cess (01 % of Wages Component)						2535.31	
	Sub-Total						276402.58	
11	Contingency 2%						5528.05	
	Total:-						281930.63	
IV	Maintenance Work (4th Year) 2026-27			526.24				
1	One Weeding and Hoeing	ha	14	0.00	52470.34	0.00	52470.34	
2	Fertilizer etc . (Add GST 18% (1419.86+1419.86 x 18% = 1675.43)	ha	0	1675.43	0.00	11932.41	11932.41	
3	Protection of plants	site	365	0.00	192077.60	0.00	192077.60	
4	Casualty Replacement etc . (Add GST 18% (500+500 x 18% = 590.00)	ha	2.2	590.00	8245.34	4201.98	12447.32	
	Total		381.20	2265.43	252793.28	16134.39	268927.67	
5	Labour Cess (01 % of Wages Component)						2527.93	
	Sub-Total						271455.60	
6	Contingency 2%						5429.11	
	Total:-						276884.71	
V	Maintenance Work (5th Year) 2027-28			605.18				
1	One Weeding and Hoeing	ha	14.00	0.00	60341.29	0.00	60341.29	

1	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
2	3	4	5	6	7	8	9	
2	Fertilizer etc. (Add GST 18% (1419.86+1419.86 x 18% = 1675.43)	ha	0	1675.43	0.00	11932.41	11932.41	
3	Protection of plants	site	365	0.00	220890.70	0.00	220890.70	
4	Fencing Repair	Chain	1	0.00	35100.44	0.00	35100.44	
	Total		380.00	1675.43	316332.43	11932.41	328264.84	
5	Labour Cess (01 % of Wages Component)						3163.32	
	Sub-Total						331428.16	
6	Contingency 2%						6628.56	
	Total:-						338056.73	
VI	Maintenance Work (6th Year) 2028-29			695.96				
1	Protection of plants	site	365	0.00	254025.40	0.00	254025.40	
	Total		365.00	0.00	254025.40	0.00	254025.40	
2	Labour Cess (01 % of Wages Component)						2540.25	
	Sub-Total						256565.65	
3	Contingency 2%						5131.31	
	Total:-						261696.97	
VII	Maintenance Work (7th Year) 2029-30			800.35				
1	Protection of plants	site	365	0.00	292127.75	0.00	292127.75	
	Total		365.00	0.00	292127.75	0.00	292127.75	
2	Labour Cess (01 % of Wages Component)						2921.28	
	Sub-Total						295049.03	
3	Contingency 2%						5900.98	
	Total:-						300950.01	
VIII	Maintenance Work (8th Year) 2030-31			920.40				
1	Protection of plants	site	365	0.00	335946.00	0.00	335946.00	
	Total		365.00	0.00	335946.00	0.00	335946.00	
2	Labour Cess (01 % of Wages Component)						3359.46	
	Sub-Total						339305.46	
3	Contingency 2%						6786.11	
	Total:-						346091.57	
IX	Maintenance Work (9th Year) 2031-32			1058.46				
1	Protection of plants	site	365	0.00	386337.90	0.00	386337.90	
	Total		365.00	0.00	386337.90	0.00	386337.90	
2	Labour Cess (01 % of Wages Component)						3863.38	
	Sub-Total						390201.28	
3	Contingency 2%						7804.03	
	Total:-						398005.30	
X	Maintenance Work (10th Year) 2032-33			1217.23				
1	Protection of plants	site	365	0.00	444288.95	0.00	444288.95	
	Total		365.00	0.00	444288.95	0.00	444288.95	
2	Labour Cess (01 % of Wages Component)						4442.89	
	Sub-Total						448731.84	
3	Contingency 2%						8974.64	
	Total:-						457706.48	
	Grand Total:-		3406.60	15671.28	3099683.22	246801.33	3562587.30	

Note :- 1. Estimate prepared on basis of APCCF Development Office order no. 07 dated 26.04.2023
2. 15% wage enhancement for every year

1	Particulars of Works	Prescribed Rate			Estimated Amount (as per site)			Remarks
		Unit	MD (No.)	Materials (Rs.)	Wages (Rs.)	Materials (Rs.)	Total (Rs.)	
2	3	4	5	6	7	8	9	

ABSTRACT					
S.N.	Work & Year	Wages (Rs.)	Materials (Rs.)	Contingency	Total Amount
I	Advance Work (1st Year) 2023-24	279172.63	176381.54	9111.08	464665.25
II	Completion Work (2nd Year) 2024-25	285127.98	27659.63	6255.75	319043.36
III	Maintenance Work (3rd Year) 2025-26	253530.90	22871.68	5528.05	281930.63
IV	Maintenance Work (4th Year) 2026-27	252793.28	18662.33	5429.11	276884.71
V	Maintenance Work (5th Year) 2027-28	316332.43	15095.74	6628.56	338056.73
VI	Maintenance Work (6th Year) 2028-29	254025.40	2540.25	5131.31	261696.97
VII	Maintenance Work (7th Year) 2029-30	292127.75	2921.28	5900.98	300950.01
VIII	Maintenance Work (8th Year) 2030-31	335946.00	3359.46	6786.11	346091.57
IX	Maintenance Work (9th Year) 2031-32	386337.90	3863.38	7804.03	398005.30
X	Maintenance Work (10th Year) 2032-33	444288.95	4442.89	8974.64	457706.48
	Sub Total:-	3099683.22	277798.17	67549.63	3445031.01
Entry Point Activities (15% Total Cost of Advance work+ Completion work)					117556.29
Grand Total:-					3562587.30
Or Say					3562587.00


 Divisional Forest Officer
 Hazaribag East Forest Division

Calculation of NPV for the 3.561 ha. of proposed forest land diversion

Name of Proposal	Total area for diversion (ha.)	Eco-Class	Crop density	NPV Rate for unit aera (Vide ltr. No. 5-3/2011-FC(Vol-I) dated 6/1/2022)	Total NPV Amount
Hazaribagh Urban Water Supply Scheme	3.561	III	0.2	9,57,780.00	34,10,654.58
Or Rs.					34,10,655.00

S. Chandre
27.12.22
Divisional Forest Officer,
Hazaribagh East Forest Division