सान्जेन (माथिल्लो) जलविद्युत केन्द्रको सम्पत्ति वीमा

प्रस्ताव फाराम-२०८३

सान्जेन जलविद्युत कम्पनी लिमिटेड
चिलिमे टावर, धुम्बाराही, काठमाडौं।
फोन नं. ०१-४३७४२७५

खरिदकर्ताको नाम:

ठेगाना:

खरिद मिति:

Invitation for Sealed Quotation for Property Insurance of Sanjen (Upper) Hydropower Station

Contract Identification No: SJCL/SUHEP/PI/2083-84-01

Date of Publication: 2083/06/01 (September 17, 2026)

1. Sanjen Jalavidhyut Company Limited (SJCL) invites Sealed Quotation from eligible and registered insurance companies in Nepal for the procurement of comprehensive insurance various assets of the Sanjen (Upper) Hydropower Station (14.8 MW) and various physical assets located in, Rasuwa District. The policy will cover a period of one year.

2. Eligible Bidders means;

a) The insurance company whose services has been registered, licensed, and have a valid and up-to-date renewal in accordance with the prevailing laws and regulations.

(b) The Bidders shall be registered for Value Added Tax (VAT)

(c) The Bidder providing the insurance services shall have at least three (3) years of experience in providing insurance services.

3. Eligible Bidders may obtain further information and inspect the Bidding Documents at the office of SJCL during office hours.

4. A complete set of Bidding Documents may be purchased by interested Bidders (Insurance Companies) by depositing a non-refundable fee of NRs. 1,000.00 (One Thousand only) in the following Bank Account:

Account Name: Sanjen Jalavidhyut Company Limited
Bank: Everest Bank Limited (New Road Branch)
Account no.: 00200105200209

5. The last date of purchasing the Bid document is on or before 17:00 PM on 2083/06/15 (October 1, 2026).

6. Sealed Bids must be submitted to the office of SJCL before 12:00 noon on 2083/06/16 (October 2, 2026). Any Bids received after the specified deadline shall be considered as rejected.

7. The Bids shall be opened in the presence of Bidders' representatives who choose to attend at 14:00 PM on 2083/06/16 (October 2, 2026) at the office of SJCL, located on 7th floor of Chilime Tower, Dhumbarahi, Kathmandu. Bids must be valid for 60 days after the date of Bid opening.

8. The Bidder shall submit a Bid Security of NRs. 1,10,000.00 (In words One lakh ten thousand only), obtained as a bank guarantee from any commercial bank in Nepal, which shall be valid for at least 30 days beyond the Bid validity period i.e., 90 days from the date of Bid opening.

9. If the last date of submission falls on a government holiday, then the next working day shall be considered as the last date. In such a case the Bid validity and Bid security validity shall remain the same as specified for the original last date of Bid submission.

10. The Bid Documents may be downloaded from the official website of the Company, www.sjcl.com.np. Alternatively, bidders may collect the Bid Documents directly from the Corporate Office upon payment of the prescribed document fee. However, the duly completed Bid Documents shall be submitted in physical form at the Corporate Office of the Company along with non-refundable bank deposit voucher of NRs. 1,000/- (Nepalese Rupees One Thousand only) as the prescribed document fee.

11. SJCL reserves the right to accept or reject, wholly or partly, any or all the Bids without assigning any reason whatsoever.

Sanjen Jalavidhyut Company Limited
7th Floor, Chilime Tower, Dhumbarahi, Kathmandu
Phone: 01-4374275 Email: sanjenhcl@gmail.com
Web: www.sjcl.com.np

सान्जेन जलविद्युत कम्पनी लिमिटेड

चिलिमे टावर, धुम्बाराही, काठमाडौं।

वीमा सम्वन्धी दरभाउ-पत्र फारामः

१) **प्रस्ताव पत्र पेश गर्ने वीमा कम्पनी/संस्थाको योग्यता सम्वन्धी ब्यवस्थाः**

क) वीमा सेवा प्रदान गर्ने वीमा संस्था/कम्पनी नियमानुसार दर्ता भई ईजाजत प्राप्त गरी अद्यावधिक नविकरण गरेको हुनु पर्नेछ।

ख) वीमा सेवा प्रदान गर्ने वीमा कम्पनी मूल्य अभिबृद्धि करमा दर्ता भएको हुनुपर्नेछ।

ग) वीमा सेवा प्रदान गर्ने वीमा कम्पनीले कम्तीमा ३ वर्ष सेवा प्रदान गरेको अनुभव हुनुपर्नेछ।

२) **दरभाउपत्र सम्वन्धी अन्य व्यवस्थाः**

क) वीमा सेवा प्रदान गर्ने सम्बन्धी कार्य गर्न ईच्छुक वीमा कम्पनीहरूले माथि बुँदा नं. १ मा उल्लेखित योग्यता खुल्ने कागजातहरू संलग्न गरी सूचनामा तोकिएको बैंक खातामा पछि फिर्ता नहुने गरी रू १,०००/- जम्मा गरेको बैंक भौचर सहित निवेदन पेश गर्नुपर्नेछ।

ख) राष्ट्रिय दैनिक पत्रिकामा प्रस्ताव आह्वानको सूचना प्रकाशित भएको मितिले १६ औं दिन (अर्थात मिति २०८३/०६/१६ गते) दिनको १२:०० बजे भित्र शिलवन्दी खाममा प्रस्ताव पेश गर्नुपर्नेछ। यसरी दर्ता भएको बोलपत्र सोहि दिनको १४:०० बजे बोलपत्रदाताको उपस्थितिमा (उपस्थित नभएपनि खोल्न बाधा नपर्ने) यस कम्पनीको कर्पोरेट कार्यालय धुम्बाराही काठमाडौंमा खोलिने छ।

ग) दरभाउपत्रदाताले दरभाउपत्र फाराममा उल्लेखित सवै प्रावधान एवं शर्तहरू अध्ययन गरी दरभाउपत्र फारामको प्रत्येक पानामा सही छाप गर्नु पर्नेछ। यस दरभाउपत्रको अन्तिम पृष्ठमा तोकिएको बिल अफ क्वान्टिटीजमा कवोल रकम अंक र अक्षरमा प्रष्टसँग भरेर रीतपूर्वक सहिछाप र शिलवन्दी गरी पेश गर्नु पर्नेछ।

घ) शिलबन्दी दरभाउपत्रको खाम बाहिर सान्जेन जलविद्युत कम्पनी लिमिटेडलाई सम्बोधन गरी प्रस्तावदाताको नाम, ठेगाना समेत उल्लेख गर्नुपर्नेछ।

ङ) म्याद नाघी प्राप्त हुन आएका शिलबन्दी दरभाउपत्र उपर कुनै कारवाही गरिने छैन।

च) प्राप्त शिलबन्दी प्रस्तावहरुको मूल्यांकनको सिलसिलामा माथि खण्ड १ मा उल्लेखित योग्यता नपुगेको पाइएमा त्यस्तो प्रस्ताव पत्र स्वतः रद्द हुनेछ र मूल्यांकनमा समावेश गरिने छैन।

छ) वीमा लेखमा Deductible / Excess सम्बन्धमा समेत अनिवार्य रुपमा खुलाउनु पर्नेछ।

ज) प्रस्ताव पत्र सम्बन्धी थप कुराहरू बुझ्न परेमा कम्पनीको केन्द्रीय कार्यालयमा कार्यालय प्रशासन शाखामा समय भित्र सम्पर्क राखी जानकारी लिन सकिनेछ।

३) **वीमा सेवा लिने अवधिः**

सान्जेन जलविद्युत कम्पनीबाट यस प्रस्ताव पत्र अनुसार गराइने वीमालेख १ वर्ष अवधिको लागि हुनेछ।

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४) **उपलब्ध गराउनु पर्ने वीमा सेवा सुविधा तथा अन्य शर्तहरूः**

क) यस कम्पनी अन्तर्गत सञ्चालित सान्जेन (माथिल्लो) जलविद्युत केन्द्रका विभिन्न सम्पत्तिहरूको वीमा ।

५) **दरभाउपत्र साथ पेश गर्नु पर्ने विवरण तथा कागजातहरूः**

क) कम्पनी दर्ता प्रमाणपत्रको प्रतिलिपी ।

ख) मूल्य अभिबृद्धि करमा दर्ता भएको प्रमाणपत्रको प्रतिलिपी ।

ग) प्रस्तावित कार्य गर्न सम्बन्धित निकायबाट पाएको ईजाजत पत्रको प्रतिलिपि ।

घ) तीन बर्ष वीमा सेवा प्रदान गरेको प्रमाणपत्रको प्रतिलिपी ।

ङ) आ.व. २०८१/०८२ को आयकर चुक्ता गरेको प्रमाणपत्रको प्रतिलिपी ।

च) प्रस्तावदाताले प्रस्ताव पेश गर्दा आफू कानूनी रूपमा योग्य भएको व्यहोरा खुलाईएको स्वःघोषणा ।

छ) प्रस्तावदाताको आधिकारिक प्रतिनिधि, निजको सम्पर्क नं. र इमेल ठेगाना ।

६) **प्रस्ताव पत्र रद्द हुने अवस्थाः**

क) माथि खण्ड १ मा उल्लेखित योग्यता नपुगेको ।

ख) सम्बन्धित कार्यालयबाट जारी भएको प्रस्ताव पत्र भरी नआएको ।

ग) प्रस्ताव पत्र शिलबन्दी भई नआएको ।

घ) प्रस्ताव पत्र सम्बन्धित वीमा सेवा प्रदान गर्ने प्रस्तावकको सही छाप नभएको ।

ङ) प्रस्ताव पत्र म्याद भित्र दाखिला हुन नआएको ।

च) कम्पनीलाई मान्य नहुने शर्त राखी प्रस्ताव पत्र पेश गरेको ।

छ) प्रस्ताव पत्र आह्वानको सूचनामा तोकिएका शर्तहरू पुरा नगरेको ।

७) **वीमा सेवा प्रदान गर्ने कम्पनीबाट पेश हुने अन्य शर्तका सम्वन्धमाः**

प्रस्ताव पत्र पेश गर्ने वीमा सेवा प्रदान गर्ने कम्पनीले प्रस्ताव पत्रमा उल्लेख गरिए बाहेकका कम्पनीको हितमा हुने अन्य थप शर्तहरू आपसी समझदारीमा तय गर्नेछ ।

८) **दरभाउपत्र मूल्यांकनका आधार तथा प्राथमिकता**

दरभाउपत्र मूल्यांकनका प्रमुख आधारहरु र प्राथमिकताको क्रम (Order of Preference) देहाय बमोजिमको रहेका छन् ।

(क) यस दरभाउपत्रको खण्ड १ मा उल्लेखित योग्यताहरू ।

(ख) प्राप्त प्रस्तावहरूको कबोल रकम मूलभुत रूपमा फरक नभएको अवस्थामा Deductible/Excess को व्यवस्थाहरूलाई मूल्यांकनको आधार मानिने छ ।

(ग) न्यूनतम प्रिमियम कवोल रकम ।

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(घ) कम्पनीले आवश्यक देखेका अन्य कुराहरू।

९) **सम्झौता सम्बन्धमा:**

क) उल्लेखित मूल्यांकनको आधारबाट छनौट भएको कुनै एक वीमा कम्पनीसँग मात्र सम्झौता गरिनेछ।

ख) वीमा सेवा सम्झौताका शर्त तथा व्यवस्थाहरू यस प्रस्ताव पत्रमा उल्लेख भए बमोजिम हुनेछन्। अन्य थप आवश्यक बिषयहरू आपसी समझदारी एवं प्रचलित कानूनका आधारमा व्यवस्थित गरिनेछ।

१०) **वीमा शुल्क भुक्तानी सम्वन्धमा:**

क) वीमा सेवा प्रदान गरे वापतको भुक्तानी वीमा सेवा प्रदायकबाट प्राप्त विजक बमोजिम गरिनेछ।

ख) भुक्तानी गर्दा प्रचलित आयकर ऐन नियम वमोजिम अग्रिम कर कट्टा गर्नुपर्ने भए सो कट्टा गरी एकाउण्ट पेयी चेक मार्फत गरिनेछ।

११) **प्रिमियम दर कवोल सम्बन्धि ब्यवस्था :**

क) यस प्रस्ताव पत्र कागजातको अन्तिम पृष्ठमा रहेको सान्जेन (माथिल्लो) जलविद्युत केन्द्रको सम्पत्तिको अनुसूची-१ वमोजिमको विभिन्न सम्पत्तिको विवरण वमोजिम प्रिमियम दररेट भरी सो अनुसार हुन आउने रकममा मुल्य अभिवृद्धि कर समेत समावेश गरी कूल प्रिमियम कवोल रकम अंक र अक्षरमा दुवैमा उल्लेख गर्नु पर्नेछ।

ख) वुदा नं ११ (क) वमोजिम प्रस्ताव पत्र फारममा प्रिमियम कवोल रकम अंकमा उल्लेख गरेपछि सम्बन्धित वीमा कम्पनीको आधिकारिक ब्यक्तिले सहि गरी कार्यालयको छाप समेत लगाएको हुनुपर्नेछ।

ग) प्रिमियम कवोल दर उल्लेख गर्दा अंक र अक्षरमा लेखिएको रकम फरक परेमा अक्षरमा लेखिएकोलाई मान्यता दिईनेछ।

१२) **निर्णय गर्ने अधिकार:**

प्राप्त प्रस्ताव पत्रहरू स्वीकृत गर्ने वा नगर्ने सम्पूर्ण अधिकार सान्जेन जलविद्युत कम्पनी लिमिटेडमा निहित रहनेछ।

सान्जेन जलविद्युत कम्पनी लिमिटेड

चिलिमे टावर, धुम्बाराही, काठमाडौं।

वीमा सेवाको लागि प्रस्तावित कवोल फाराम (Bill of Quantities)

बिवरण	संख्या	वीमा शुल्क	१३% मूल्य अभिवृद्धि कर	मु.अ.क. सहित प्रस्तावित वीमा शुल्क रू.	कैफियत
सान्जेन (माथिल्लो) जलविद्युत केन्द्रको सम्पत्ति वीमा (संलग्न विवरण अनुसार)					
			कूल प्रस्तावित वीमा शुल्क रू.		

Deductible /Excess सम्वन्धि ब्यवस्थाहरु:

अक्षरेपी रू. : ____________________

मिति : ____________

ठेगाना : ____________

आधिकारिक व्यक्तिको सही : ____________

आधिकारिक व्यक्तिको नाम : ____________

वीमा कम्पनी/संस्थाको नाम : ____________

वीमा कम्पनी/संस्थाको छाप : ____________

सान्जेन जलविद्युत कम्पनी लि. स्थापित२०६६ ESTD2010 JALAVIDHYUT CO. LTD.

अनुसूची- १

सान्जेन जलविद्युत कम्पनी लिमिटेड

चिलिमे टावर, धुम्बाराही, काठमाडौं

सान्जेन (माथिल्लो)जलविद्युत कम्पनी लिमिटेडको सम्पत्ति विमा प्रयोजनको लागि सम्पत्ति लगत- २०८३/८४

क.सं.	विवरण	रकम रु	अग्नी, भूकम्प, बाढी,पहिरो तथा भूमिघसण	हुलदंगा वा हड्ताल रिसइबी पूर्ण कार्य र द्वेशपूर्ण कार्य र आतंककारी कार्य
1	Lot 2 Civil Works	1,370,842,394.81		
2	Lot 3-Electromechanical Works	446,575,847.71		
3	Lot-4 Hydromechanical Works	293,711,325.22		
4	Design, Supply, Installation/Erection, Testing and Commissioning of 11kV Overhead Line (from Thambuchet to Ronga)	17,111,531.19		
5	Supply and Installation of 132 KV and 11 KV Switchgears and Protection Panel	28,870,542.55		
	जम्मा	**2,157,111,641.48**		

* द्वेशपूर्ण भन्नाले रिस, राग, वैमनश्यता भन्ने बुझ्नु पर्छ । अग्नि /आगलागी भन्नाले बाह्य सावै स्वजलन भन्ने बुझ्नु पर्छ ।

Sanjen Jalavidhyut Company Limited
Sanjen (Upper) Hydropower Station ,14.8 MW
Property Insurance

SN	Description	Sum Insured	Remarks
1	Lot 2 Civil Works	1,370,842,394.81	
2	Lot 3-Electromechanical Works	446,575,847.71	
3	Lot-4 Hydromechanical Works	293,711,325.22	
4	Design, Supply, Installation/Erection, Testing and Commissioning of 11kV Overhead Line (From Thambuchet to Ronga)	17,111,531.19	
5	Supply and Installation of 132 KV and 11 KV Switchgears and Protection Panel	28,870,542.55	
6	Total Sum Insured	2,157,111,641.48	

Note: Details are attached in a separate Sheet

सान्जेन जलविद्युत कम्पनी लि.
स्थापित २०६६
SANJEN JALAVIDHYUT CO. LTD.
ESTD2010

Sanjen Jalavidhyut Company Limited

SANJEN(UPPER) HYDROPOWER STATION

Civil Works- Lot-2, Property Insurance

Section	Section Description	Contract Amount (NRs.)	Variation Amount (NRs.)	Revised Amount After VO (NRs.)	Amount to be Insured	Price Adjustment	Dollar Impact	VAT(Rs)	Total(Rs)
1	General item	35,220,000.00		35,220,000.00	4,000,000.00	**211,950.75**	530,836.28	546,722.39	5,289,509.42
2	Headworks (with VO 8)	345,166,474.00	56,075,424.92	401,241,898.92	372,911,711.22	**19,759,728.94**	49,488,766.68	50,969,795.62	493,130,002.47
3	Headrace Tunnel (with VO-9)	192,667,512.00	(39,174,691.96)	153,492,820.04	152,468,513.44	**8,078,953.83**	20,233,954.74	20,839,487.56	201,620,909.58
4	Surge Tank (with VO-10)	49,773,161.80	(16,616,124.15)	33,157,037.65	32,754,910.95	**1,735,606.96**	4,346,873.80	4,476,960.81	43,314,352.52
5	Penstock (with VO-12) , Adit Tunnel (with VO-1), Valve Chamber (with VO-1A)	45,371,431.20	100,375,646.15	145,747,077.35	144,777,868.40	**7,671,444.34**	19,213,336.39	19,788,325.60	191,450,974.73
6	Powerhouse(with VO3), Backslope protection (VO-4), and revision of Powerhouse, Powerhouse DG room and Backslope (with VO - 13)	68,151,905.00	257,133,647.06	325,285,552.06	286,689,094.32	**15,190,991.93**	38,046,243.31	39,184,836.79	379,111,166.35
7	Switchyard (with VO 11)	11,621,216.10	4,758,182.16	16,379,398.26	16,052,470.26	**850,583.27**	2,130,308.41	2,194,061.23	21,227,423.17
8	Roadworks (with VO2)	27,058,673.80	4,114,074.45	31,172,748.25		-	-	-	-
9	Dayworks	4,650,000.00		4,650,000.00		-	-	-	-
		779,680,373.90	**366,666,158.63**	**1,146,346,532.53**	**1,009,654,568.60**	**53,499,260.02**	**133,990,319.62**	**138,000,190.01**	**1,335,144,338.24**
10	VO 5 Permanent Camp Facilities, Vo 6 Guard House, Ware House and Transformer Shed VO 7 Headworks and Permanent camp		32,763,794.41	32,763,794.41	31,405,529.96			4,292,526.61	35,698,056.57
	Certified Total work value of sections:	779,680,373.90	399,429,953.04	1,179,110,326.94	1,041,060,098.55	53,499,260.02	133,990,319.62	142,292,716.61	1,370,842,394.81
	BOQ Amount without VAT				1,041,060,098.55				
	Price Adjustment Without VAT				53,499,260.02				
	BOQ + Price Adjustment + VAT				1,236,852,075.19				
	Dollar Impact				133,990,319.62				
	Total Payment without Incurred Cost(Claim & Other Reimbursment)				1,370,842,394.81				

सान्जेन जलविद्युत कम्पनी लि.
स्थापित२०११
SANJEN JALAVIDHYUT CO. LTD.
ESTD2010

Sanjen Jalavidhyut Company Limited

SANJEN(UPPER) HYDROPOWER STATION-14.8 MW

Lot-3 (Electromechanical Works), Property Insurance

Schedule	Description	Total Assets	
		FC (USD)	LC (NRs.)
ELECTROMECHANICAL Assets			
2.1	Hydraulic Turbine and Auxiliaries	1,149,739.00	26,283,593.00
2.2	Alternating Current Generator	756,567.00	16,890,201.00
2.3	Transformers	187,347.00	4,182,447.00
2.4	132 kV Switchgear equipment as specified in Section 4, HV Switchyard, Circuit Breaker, Disconnecting Switch and Lightning Arresters	100,486.00	2,243,416.00
2.5	11 kV Switchgear Equipment	96,601.00	2,156,530.00
2.6	Instrument Transformers	35,176.00	785,282.00
2.7	Ancillary equipment	280,895.80	6,270,977.25
2.8	Low Voltage A.C. Distribution System as specified in Section 8, AC Low Voltage Distribution System	37,545.00	838,222.00
2.9	DC and UPS system as specified in Section 9, DC Distribution System	55,695.00	1,243,406.00
2.10	Protection system comprising of all numerical relays with their complete licensed software and necessary panels for protection of the follwing system	119,297.00	2,663,294.00
2.11	Control and Automation System as specified in Section 11, Control System	340,406.00	7,599,252.50
2.12	Grounding (Earthing) System	36,994.00	825,921.00
2.13	Cables	70,555.00	1,575,088.00
2.15	Illumination System	27,170.00	609,606.25
	TOTAL	**3,294,473.80**	**74,167,236.00**
	USD in NPR @ 113.04 (Average value as per payment)	**372,408,611.71**	
	Total Assets		**446,575,847.71**

ESTD2010
SANJEN JALAVIDHYUT CO. LTD.

Sanjen (Upper) Hydroelectric Project (14.8 MW)
Lot 4 -Hydromechanical Works

Property Insurance

Item No.	Particulars	Unit	Quantity	Total CIP to the Site FC (USD)	Total CIP to the Site LC (NRs.)	Total Paid for CIP to Site FC (USD)	Total Paid for CIP to Site LC (NRs.)	Total ETC FC (USD)	Total ETC LC (NRs.)	Total Paid for ETC LC (NRs.)	Total Amount (CIP to Site + ETC) FC (USD)	Total Amount (CIP to Site + ETC) LC (NRs.)	Total Amount Insured FC (USD)	Total Amount Insured LC (NRs.)	Remarks
1	**General Items**														
1.1	**General Fixed Items**	Lot	1		7,122,649.60		7,122,649.60		3,125,159.90	3,125,159.90		10,247,809.50		-	
1.2	**Training for Employer's Staffs**	Lot	1		1,401,557.00		1,401,557.00					1,401,557.00		-	
	Sub Total Schedule 1				8,524,206.60		8,524,206.60		3,125,159.90	3,125,159.90		11,649,366.50		-	
2.1	Gate no.1: One complete sets of Undersluice gates with its guide frames, hoist and their accessories														
2.1.1	Gate Leaf	Set	1	-	727,211.90		727,211.90	-	309,516.68	309,516.68	-	1,036,728.58			
2.1.2	Guide frame and embedded steel parts	Set	1	-	375,614.98		375,614.98	-	159,869.64	159,869.64	-	535,484.62			
2.1.3	Electrically operated Rope Drum Hoisting system with manual provision	Set	1	-	1,871,794.45		1,871,794.45	-	56,217.50	56,217.50	-	1,928,011.95			
2.1.4	Local control cabinet with cables and accessories including display of electronic position indicator	Set	1	-	178,409.16		178,409.16	-	22,487.00	22,487.00	-	200,896.16			
2.1.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	1	-	270,535.53		270,535.53	-	133,055.38	133,055.38	-	403,590.91			
2.1.6	Spare Parts	Lot	1		191,963.76		9,598.19			-		191,963.76			
					(191,963.76)		(9,598.19)			-		(191,963.76)			
				-	127,468.16		127,468.16			-		127,468.16			
	Sub Total (2.1)				3,551,034.18	-	3,551,034.18		681,146.20	681,146.20	-	4,232,180.38		4,232,180.38	
2.2	Gate no.2: One complete set of Side Intake Gates with its guide frames, hoist and their accessories														
2.2.1	Gate Leaf	Set	1	-	543,251.16		543,251.16	-	231,219.12	231,219.12	-	774,470.28			
2.2.2	Guide frame and embedded steel parts	Set	1	-	359,442.42		359,442.42	-	152,986.25	152,986.25	-	512,428.67			
2.2.3	Electrically operated Rope Drum Hoisting system with manual provision	Set	1	-	1,715,931.23		1,715,931.23	-	56,217.50	56,217.50	-	1,772,148.73			
2.2.4	Local control cabinet with cables and accessories including display of electronic position indicator	Set	1	-	178,409.16		178,409.16	-	22,487.00	22,487.00	-	200,896.16			
2.2.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	1	-	261,385.51		261,385.51	-	128,590.82	128,590.82	-	389,976.33			
2.2.6	Spare Parts	Lot	1		153,733.87		7,686.69			-		153,733.87			
					(153,733.87)		(7,686.69)			-		(153,733.87)			
				-	104,407.54		104,407.54	-	-	-	-	104,407.54			
	Sub Total (2.2)				3,162,827.02		3,162,827.02		591,500.69	591,500.69	-	3,754,327.71	-	3,754,327.71	
2.3	Gate no.3: One complete set of Gravel Flushing gate with its guide frames, hoist and their accessories														
2.3.1	Gate Leaf	Set	1	-	115,012.65		115,012.65	-	48,951.80	48,951.80	-	163,964.45			
2.3.2	Guide frame and embedded steel parts	Set	1	-	205,209.41		205,209.41	-	87,341.44	87,341.44	-	292,550.85			
2.3.3	Electrically operated Screw Spindle Hoisting system with manual provision	Set	1	-	478,016.91		478,016.91	-	73,082.75	73,082.75	-	551,099.66			
2.3.4	Local control cabinet with cables and accessories	Set	1	-	178,409.16		178,409.16	-	22,487.00	22,487.00	-	200,896.16			
2.3.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	1	-	229,746.50		229,746.50	-	113,105.63	113,105.63	-	342,852.13			
2.3.6	Spare Parts	Lot	1		79,011.56		3,950.58			-	-	79,011.56			
					(79,011.56)		(3,950.58)			-	-	(79,011.56)			
				-	56,959.07		56,959.07	-	-	-	-	56,959.07			
	Sub Total (2.3)				1,263,353.70	-	1,263,353.70		344,968.62	344,968.62	-	1,608,322.32	-	1,608,322.32	
2.4	Gate no.4: Two complete sets of Desander Inlet gates with its guide frames, hoist and their accessories														
2.4.1	Gate Leaf	Set	2	-	707,399.32		707,399.32	-	301,084.04	301,084.04	-	1,008,483.36			
2.4.2	Guide frame and embedded steel parts	Set	2	-	481,019.04		481,019.04	-	204,731.82	204,731.82	-	685,750.86			
2.4.3	Electrically operated Screw Spindle Hoisting system with manual provision	Set	2	-	956,033.82		956,033.82	-	146,165.50	146,165.50	-	1,102,199.32			

Sanjen (Upper) Hydroelectric Project (14.8 MW)
Lot 4 -Hydromechanical Works

Property Insurance

Item No.	Particulars	Unit	Quantity	Total CIP to the Site FC (USD)	Total CIP to the Site LC (NRs.)	Total Paid for CIP to Site FC (USD)	Total Paid for CIP to Site LC (NRs.)	Total ETC FC (USD)	Total ETC LC (NRs.)	Total Paid for ETC LC (NRs.)	Total Amount (CIP to Site + ETC) FC (USD)	Total Amount (CIP to Site + ETC) LC (NRs.)	Total Amount Insured FC (USD)	Total Amount Insured LC (NRs.)	Remarks
2.4.4	Local control cabinet with cables and accessories	Set	2	-	356,818.32		356,818.32	-	44,974.00	44,974.00	-	401,792.32			
2.4.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	2	-	557,255.72		557,255.72	-	256,134.90	256,134.90	-	813,390.62			
2.4.6	Spare Parts	Lot	1		144,341.67		7,217.08			-		144,341.67			
					(144,341.67)		(7,217.08)			-		(144,341.67)			
				-	98,676.14		98,676.14	-	-	-	-	98,676.14			
	Sub Total (2.4)				3,157,202.36	-	3,157,202.36		953,090.26	953,090.26	-	4,110,292.62	-	4,110,292.62	
2.5	Gate no.5: Four complete set of Desander Outlet Gate with its guide frames, hoist and their accessories														
2.5.1	Gate Leaf	Sets	4	-	681,073.20		681,073.20	-	289,879.08	289,879.08	-	970,952.28			
2.5.2	Guide frame and embedded steel parts	Sets	4	-	620,950.56		620,950.56	-	264,289.64	264,289.64	-	885,240.20			
2.5.3	Electrically operated Screw Spindle Hoisting system with manual provision	Sets	4	-	1,912,067.64		1,912,067.64	-	292,331.00	292,331.00	-	2,204,398.64			
2.5.4	Local control cabinet with cables and accessories	Sets	4	-	713,636.64		713,636.64	-	532,221.52	532,221.52	-	1,245,858.16			
2.5.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Sets	4	-	1,129,774.76		1,129,774.76	-	459,391.52	459,391.52	-	1,589,166.28			
2.5.6	Spare Parts	Lot	1		139,019.01		6,950.95			-		139,019.01			
					(139,019.01)		(6,950.95)			-		(139,019.01)			
				-	70,860.71		70,860.71	-	-	-	-	70,860.71			
	Sub Total (2.5)				5,128,363.51	-	5,128,363.51		1,838,112.76	1,838,112.76	-	6,966,476.27	-	6,966,476.27	
2.6	Gate no.6: Two complete sets of Sand Flushing Gates with their guide frames, hoist and their accessories														
2.6.1	Gate Leaf	Set	2	-	275,991.46		275,991.46	-	117,467.76	117,467.76	-	393,459.22			
2.6.2	Guide frame and embedded steel parts	Set	2	-	518,955.86		518,955.86	-	220,878.54	220,878.54	-	739,834.40			
2.6.3	Electrically operated Screw Spindle Hoisting system with manual provision	Set	2	-	956,033.82		956,033.82	-	146,165.50	146,165.50	-	1,102,199.32			
2.6.4	Local control cabinet with cables and accessories	Set	2	-	356,818.32		356,818.32	-	44,974.00	44,974.00	-	401,792.32			
2.6.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	2	-	526,456.50		526,456.50	-	241,980.02	241,980.02	-	768,436.52			
2.6.6	Spare Parts	Lot	1		138,379.82		6,918.99			-		138,379.82			
					(138,379.82)		(6,918.99)			-		(138,379.82)			
				-	68,884.44		68,884.44	-	-	-	-	68,884.44			
	Sub Total (2.6)				2,703,140.40	-	2,703,140.40		771,465.82	771,465.82	-	3,474,606.22	-	3,474,606.22	
2.7	Gate no.7: One complete set of Reservoir Inlet Gate with its guide frames, hoist and their accessories														
2.7.1	Gate Leaf	Set	1	-	385,691.54		385,691.54	-	164,158.43	164,158.43	-	549,849.97			
2.7.2	Guide frame and embedded steel parts	Set	1	-	214,016.34		214,016.34	-	91,089.85	91,089.85	-	305,106.19			
2.7.3	Electrically operated Screw Spindle Hoisting system with manual provision	Set	1	-	478,016.91		478,016.91	-	73,082.75	73,082.75	-	551,099.66			
2.7.4	Local control cabinet with cables and accessories	Set	1	-	178,409.16		178,409.16	-	22,487.00	22,487.00	-	200,896.16			
2.7.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	1	-	244,484.44		244,484.44	-	120,357.19	120,357.19	-	364,841.63			
2.7.6	Spare Parts	Lot	1		105,273.49		5,263.67			-		105,273.49			
					(105,273.49)		(5,263.67)			-		(105,273.49)			
				-	44,593.66		44,593.66	-	-	-	-	44,593.66			
	Sub Total (2.7)				1,545,212.05	-	1,545,212.05		471,175.22	471,175.22	-	2,016,387.27	-	2,016,387.27	
2.8	Gate no.8: One complete set of Reservoir Outlet Gate with its guide frames, hoist and their accessories														
2.8.1	Gate Leaf	Set	1	-	675,118.27		675,118.27	-	287,344.54	287,344.54	-	962,462.81			
2.8.2	Guide frame and embedded steel parts	Set	1	-	388,082.59		388,082.59	-	165,176.11	165,176.11	-	553,258.70			

Sanjen (Upper) Hydroelectric Project (14.8 MW)
Lot 4 -Hydromechanical Works

Property Insurance

Item No.	Particulars	Unit	Quantity	Total CIP to the Site		Total Paid for CIP to Site		Total ETC		Total Paid for ETC	Total Amount (CIP to Site + ETC)		Total Amount insured		Remarks
				FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	
2.8.3	Electrically operated Rope Drum Hoisting system with manual provision	Set	1	-	2,086,884.19		2,086,884.19	-	56,217.50	56,217.50	-	2,143,101.69			
2.8.4	Local control cabinet with cables and accessories	Set	1	-	178,409.16		178,409.16	-	22,487.00	22,487.00	-	200,896.16			
2.8.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	1	-	269,837.04		269,837.04	-	132,707.13	132,707.13	-	402,544.17			
2.8.6	Spare Parts	Lot	1		160,448.53		8,022.43			-		160,448.53			
					(160,448.53)		(8,022.43)			-		(160,448.53)			
				-	66,992.26		66,992.26	-	-	-	-	66,992.26			
	Sub Total (2.8)				3,665,323.51	-	3,665,323.51		663,932.28	663,932.28	-	4,329,255.79	-	4,329,255.79	
2.9	Gate no.9: One complete set of Reservoir Flushing Gate with its guide frames, hoist and their accessories														
2.9.1	Gate Leaf	Set	1	-	130,690.13		130,690.13	-	55,624.47	55,624.47	-	186,314.60			
2.9.2	Guide frame and embedded steel parts	Set	1	-	255,295.71		255,295.71	-	108,659.22	108,659.22	-	363,954.93			
2.9.3	Electrically operated Screw Spindle Hoisting system with manual provision	Set	1	-	478,016.91		478,016.91	-	73,082.75	73,082.75	-	551,099.66			
2.9.4	Local control cabinet with cables and accessories	Set	1	-	178,409.16		178,409.16	-	22,487.00	22,487.00	-	200,896.16			
2.9.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	1	-	238,197.03		238,197.03	-	117,221.95	117,221.95	-	355,418.98			
2.9.6	Spare Parts	Lot	1		81,834.47		4,091.72			-		81,834.47			
					(81,834.47)		(4,091.72)			-		(81,834.47)			
				-	40,023.73		40,023.73	-	-	-	-	40,023.73			
	Sub Total (2.9)				1,320,632.67	-	1,320,632.67		377,075.39	377,075.39	-	1,697,708.06	-	1,697,708.06	

सान्जेन जलविद्युत कम्पनी लि.
SANJEN JALAVIDHYUT CO. LTD.
ESTD2010

Sanjen (Upper) Hydroelectric Project (14.8 MW)
Lot 4 -Hydromechanical Works

Property Insurance

Item No.	Particulars	Unit	Quantity	Total CIP to the Site		Total Paid for CIP to Site		Total ETC		Total Paid for ETC	Total Amount (CIP to Site + ETC)		Total Amount Insured		Remarks
				FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	
2.10	Gate no.10: One complete set of Tunnel Inlet Gate with its guide frames, hoist and their accessories														
2.10.1	Gate Leaf	Set	1	-	699,234.50		699,234.50	-	297,608.92	297,608.92	-	996,843.42			
2.10.2	Guide frame and embedded steel parts	Set	1	-	432,278.15		432,278.15	-	183,986.67	183,986.67	-	616,264.82			
2.10.3	Electrically operated Rope Drum Hoisting system with manual provision	Set	1	-	2,642,883.08		2,642,883.08	-	56,217.50	56,217.50	-	2,699,100.58			
2.10.4	Local control cabinet with cables and accessories including display of electronic position indicator	Set	1	-	178,409.16		178,409.16	-	22,487.00	22,487.00	-	200,896.16			
2.10.5	Steel support, roof truss & purlin, CGI Sheet, Ladder and other materials for hoisting Shed	Set	1	-	260,337.77		260,337.77	-	128,067.45	128,067.45	-	388,405.22			
2.10.6	Spare Parts	Lot	1		190,834.63		9,541.73			-		190,834.63			
					(190,834.63)		(9,541.73)			-		(190,834.63)			
				-	87,373.74		87,373.74	-	-	-	-	87,373.74			
	Sub Total (2.10)				4,300,516.40	-	4,300,516.40		688,367.54	688,367.54	-	4,988,883.94	-	4,988,883.94	
2.11	Stoplog at undersluice: One complete set of Stoplogs with guide frames, suitable hoisting system and their accessories														
2.11.1	Stoplog leaf	Set	1	-	748,209.87		748,209.87	-	318,193.26	318,193.26	-	1,066,403.13			
2.11.2	Guide frame and embedded steel parts	Set	1	-	403,844.82		403,844.82	-	171,744.19	171,744.19	-	575,589.01			
2.11.3	Hoisting System for opening and closing	Set	1	-	172,914.09		172,914.09	-	16,865.25	16,865.25	-	189,779.34			
2.11.4	Spare Parts	Lot	1		49,462.45		2,473.12			-		49,462.45			
					(49,462.45)		(2,473.12)			-		(49,462.45)			
				-	1,567.13		1,567.13	-	-	-	-	1,567.13			
	Sub Total (2.11)				1,326,535.91	-	1,326,535.91		506,802.70	506,802.70	-	1,833,338.61	-	1,833,338.61	
2.12	Stoplog at Intake: One complete set of Stoplogs with guide frames, suitable hoisting system and their accessories														
2.12.1	Stoplog leaf	Set	1	-	625,441.73		625,441.73	-	265,983.31	265,983.31	-	891,425.04			
2.12.2	Guide frame and embedded steel parts	Set	1	-	356,646.92		356,646.92	-	151,672.22	151,672.22	-	508,319.14			
2.12.3	Hoisting System for opening and closing	Set	1	-	172,914.09		172,914.09	-	16,865.25	16,865.25	-	189,779.34			
2.12.4	Spare Parts	Lot	1		44,332.23		2,216.61			-		44,332.23			
					(44,332.23)		(2,216.61)			-		(44,332.23)			
				-	1,393.00		1,393.00	-	-	-	-	1,393.00			
	Sub Total (2.12)				1,156,395.74	-	1,156,395.74		434,520.78	434,520.78	-	1,590,916.52	-	1,590,916.52	
2.13	Stoplog at Gravel Flushing: One complete set of Stoplog with guide frames, suitable hoisting system and their accessories														
2.13.1	Stoplog leaf	Set	1	-	206,092.70		206,092.70	-	87,645.61	87,645.61	-	293,738.31			
2.13.2	Guide frame and embedded steel parts	Set	1	-	261,178.13		261,178.13	-	111,071.94	111,071.94	-	372,250.07			
2.13.3	Hoisting System for opening and closing	Set	1	-	172,914.09		172,914.09	-	16,865.25	16,865.25	-	189,779.34			
2.13.4	Spare Parts	Lot	1		27,390.36		1,369.52			-		27,390.36			
					(27,390.36)		(1,369.52)			-		(27,390.36)			
				-	895.50		895.51	-	-	-	-	895.50			
	Sub Total (2.13)				641,080.42	-	641,080.43		215,582.80	215,582.80	-	856,663.22	-	856,663.23	
2.14	Bypass Canel Stoplog: One complete set of Stoplog with its guide frames, suitable hoisting system and their accessories														
2.14.1	Stoplog leaf	Set	1	-	363,262.49		363,262.49	-	154,485.63	154,485.63	-	517,748.12			
2.14.2	Guide frame and embedded steel parts	Set	1	-	231,520.85		231,520.85	-	98,459.51	98,459.51	-	329,980.36			
2.14.3	Hoisting System for opening and closing	Set	1	-	172,914.09		172,914.09	-	16,865.25	16,865.25	-	189,779.34			
2.14.4	Spare Parts	Set	1	-	34,516.55		1,725.83			-		34,516.55			
				-	(34,516.55)		(1,725.83)			-		(34,516.55)			
				-	2,537.25		2,537.25	-	-	-	-	2,537.25			
	Sub Total (2.14)				770,234.68	-	770,234.68		269,810.39	269,810.39	-	1,040,045.07	-	1,040,045.07	
2.15	Tailrace Stoplog: Three complete sets of Stoplogs with its guide frames, suitable hoisting system and their accessories														

Property Insurance

Item No.	Particulars	Unit	Quantity	Total CIP to the Site		Total Paid for CIP to Site		Total ETC		Total Paid for ETC	Total Amount (CIP to Site + ETC)		Total Amount insured		Remarks
				FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	
2.15.1	Stoplog leaf	Sets	3	-	1,485,354.33		1,485,354.33	-	631,680.72	631,680.72	-	2,117,035.05			
2.15.2	Guide frame and embedded steel parts	Sets	3	-	1,125,210.48		1,125,210.48	-	478,521.36	478,521.36	-	1,603,731.84			
2.15.3	Hoisting System for opening and closing	Sets	3	-	518,742.27		25,937.11	-	50,595.75	2,529.79	-	569,338.02			
	Deletion of Item 2.15.3 (New item VO#5	Sets	(3.00)		(518,742.27)		(25,937.11)	-	(50,595.75)	(2,529.79)		(569,338.02)			
2.15.4	Spare Parts	Lot	1	-	43,244.69		2,162.23			-		43,244.69			
				-	(43,244.69)		(2,162.23)			-		(43,244.69)			
				-	1,343.25		1,343.25	-	-	-	-	1,343.25			
	Sub Total (2.15)				2,611,908.06	-	2,611,908.06		1,110,202.08	1,110,202.08	-	3,722,110.14	-	3,722,110.14	
2.16	Intake Trashrack														
2.16.1	Trashrack	Sets	3	-	824,668.74		549,779.16	-	332,528.67	221,685.78	-	1,157,197.41			
			(1.00)	-	(274,889.58)			-	(110,842.89)			(385,732.47)			
2.16.2	Guide frame and embedded parts	Sets	3	-	397,003.95		264,669.30	-	163,628.25	109,085.50	-	560,632.20			
			(1.00)	-	(132,334.65)			-	(54,542.75)			(186,877.40)			
2.16.3	Automatic Racking Device	Set	1	-	34,263,820.00		32,550,629.00	-	759,610.86	645,669.23	-	35,023,430.86			
2.16.4	Spare Parts	Lot	1		446,294.32		-					446,294.32			
	Sub Total (2.16)				35,524,562.78	-	35,078,268.46		1,090,382.14	1,090,382.14	-	36,614,944.92	-	36,168,650.60	
2.17	FineTrashrack at Tunnel Inlet														
2.17.1	Trashrack	Set	1	-	5,701,341.17		5,701,341.17	-	2,315,481.06	2,315,481.06	-	8,016,822.23			
2.17.2	Guide frame and embedded parts	Set	1	-	925,548.15		925,548.15	-	375,892.12	375,892.12	-	1,301,440.27			
2.17.3	Manual racker for trash cleaning (Simple and Light Weight)	Set	1	-	2,611.88		2,611.88	-	995.00	995.00	-	3,606.88			
2.17.4	Spare Parts	Lot	1		1,741.25		1,741.25					1,741.25			
	Sub Total (2.17)				6,631,242.45	-	6,631,242.45		2,692,368.18	2,692,368.18	-	9,323,610.63	-	9,323,610.63	
2.18	Steel Connecting pipe between forebay and Tunnel Inlet														
2.18.1	Bell Mouth	Set	1	-	2,452,053.57		2,452,053.57	-	1,567,715.43	1,567,715.43	-	4,019,769.00			
2.18.2	Steel Pipe, inside dia. 2.5 m, length 35 m, thickness 12 mm with stiffener 1.5 m C/C. Material: SM 400	kg	25,912.00	-	3,554,608.16		3,477,661.15	-	2,237,760.32	1,050,873.39	-	5,792,368.48			
			(560.92)	-	(76,947.01)		-		(1,186,886.93)			(1,263,833.94)			
	Sub Total of (2.18)				5,929,714.72	-	5,929,714.72		2,618,588.82	2,618,588.82	-	8,548,303.54	-	8,548,303.54	
2.19	Steel Flushing Pipe at settling basin														
2.19.1	Rectangular Pipe, w =0.8 m, h = 1.5 m, Length 16m, thickness 6 mm Material: SM 400 B or	kg	3,792.00	-	520,186.56		520,186.56	-	327,477.12	195,000.88	-	847,663.68			
			(1,534.00)						(132,476.24)			(132,476.24)			
	Sub Total of (2.19)				520,186.56	-	520,186.56		195,000.88	195,000.88	-	715,187.44	-	715,187.44	
2.20	Penstock valve: One set of Butterfly valve with hoisting arrangement and their necessary complete accessories as specified														
2.20.1	Butterfly valve complete with hydraulic operating system, Air release valve comple set fitted in the valve body	Set	1	129,817.43	1,176,736.75	129,817.43	1,176,736.75	-	1,241,912.24	1,241,912.24	129,817.43	2,418,648.99			
2.20.2	Gantry crane for handling valve (VO#4)	Set	1	-	1,084,550.00	-	-	-	56,217.50	-	-	1,140,767.50			
	Deletion of Item 2.20.2 (New Item VO#4)	Set	-1	-	(1,084,550.00)		-		(56,217.50)			(1,140,767.50)			
2.20.3	Embedded Parts	Set	1		-	-	-	-	-	-	-	-			
2.20.4	Local control cabinet with cables and accessories	Set	1		-	-	-	-	-	-	-	-			
2.20.5	Spare Parts	Lot	1	1,194.00	-	716.40	-	-	-	-	1,194.00	-			
	Sub Total (2.20)			131,011.43	1,176,736.75	131,011.43	1,176,736.75		1,241,912.24	1,241,912.24	131,011.43	2,418,648.99	131,011.43	2,418,648.99	
2.21	Steel Penstock:														
2.21.1	Bell mouth	Set	1	-	619,882.04		588,887.94	-	396,327.90	376,511.51	-	1,016,209.94			
2.21.2	Straight pipe shells	kg	319,866.00	-	45,699,255.42		42,894,238.92	-	32,907,814.08	30,997,832.58	-	78,607,069.50			
			(6,769.00)		(967,087.03)				(696,394.72)			(1,663,481.75)			
2.21.3	Bend Pipes	kg	30,668.00	-	4,856,891.16		15,220,916.47	-	4,532,730.40	14,204,998.88	-	9,389,621.56			
			70,500.00		11,165,085.00				10,419,900.00			21,584,985.00			
2.21.4	Expansion Joints	Sets	3	-	2,258,279.13		-	-	885,329.46	-	-	3,143,608.59			
	Deletion of Item No. 2.21.4 (omitted from design)	Sets	-3	-	(2,258,279.13)		-		(885,329.46)			(3,143,608.59)			
2.21.5	Stiffener, Thrust and saddle pad, seepage ring etc.	kg	20,200.00	-	2,660,946.00		-	-	2,005,254.00	375,581.29	-	4,666,200.00			
			(16,217.44)		(2,136,323.37)		-		(1,609,905.27)			(3,746,228.64)			
2.21.6	Manhole, circular dia. 600 mm	Set	1	-	243,123.79		230,967.60	-	84,634.82	80,403.08	-	327,758.61			
2.21.7	Unsymmetrical Bifurcation with ribs and manifold arrangement	kg	11,748.00	-	4,055,644.56		21,805,770.90	-	2,510,312.64	13,502,250.31	-	6,565,957.20			
			54,983.94		18,981,555.77				11,748,968.30			30,730,524.07			
2.21.8	Spare Parts	Lot	1		92,495.20		16,875.20					92,495.20			

ESTD2010 JALAVIDHYUT CO. LTD.

Sanjen (Upper) Hydroelectric Project (14.8 MW)
Lot 4 -Hydromechanical Works

Property Insurance

Item No.	Particulars	Unit	Quantity	Total CIP to the Site		Total Paid for CIP to Site		Total ETC		Total Paid for ETC	Total Amount (CIP to Site + ETC)		Total Amount insured		Remarks
				FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	
	Sub Total (2.21)				85,271,468.54	-	85,195,848.54		62,299,642.15	62,299,642.15	-	147,571,110.69	-	147,495,490.68	
2.22	100 kW diesel engine generating set														
2.22.1	DG Set in sound proof encloser with necessary switchgear, geared trolley-type, hand-operated chain-hoist, mono-rail crane with electrical breaker and accessories	Set	1	-	1,328,573.75		1,328,573.75	-	56,217.50	56,217.50	-	1,384,791.25			
2.22.2	Spare Parts	Lot	1	-	122,683.50		122,683.50	-	-	-	-	122,683.50			
	Sub Total (2.22)				1,451,257.25	-	1,451,257.25		56,217.50	56,217.50	-	1,507,474.75	-	1,507,474.75	
2.23	Illumination and Dam Site Electrification														
2.23.1	Transformer 150 kVA with all complete protection system	Set	1	4,856.96	487,003.75	4,856.96	487,003.75	-	124,375.00	124,375.00	4,856.96	611,378.75			
2.23.2	Distribution Board with all complete accessories	Lot	1	-	1,411,122.93		1,411,122.93	-	101,490.00	101,490.00	-	1,512,612.93			
2.23.3	Illumination works with Telescopic Poles, conductors, cables, insulators, fuse ect all complete accessories as specified	Lot	1	-	2,715,688.33		2,715,688.33	-	467,650.00	467,650.00	-	3,183,338.33			
2.23.4	Spare parts	Lot	1	-	170,145.00		89,550.00	-	-	-	-	170,145.00			
	Sub Total of (2.23)			4,856.96	4,783,960.01	4,856.96	4,783,960.01		693,515.00	693,515.00	4,856.96	5,477,475.01	4,856.96	5,477,475.01	
	Sub Total schedule 2 except VO			135,868.39	177,592,889.67	135,868.39	177,070,975.36	-	80,805,380.44	80,805,380.44	135,868.39	258,398,270.11	135,868.39	257,876,355.80	

सान्जेन जलविद्युत कम्पनी लि.
SANJEN JALAVIDHYUT CO. LTD.

Sanjen (Upper) Hydroelectric Project (14.8 MW)
Lot 4 -Hydromechanical Works

Property Insurance

Item No.	Particulars	Unit	Quantity	Total CIP to the Site		Total Paid for CIP to Site		Total ETC		Total Paid for ETC	Total Amount (CIP to Site + ETC)		Total Amount insured		Remarks
				FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	LC (NRs.)	FC (USD)	LC (NRs.)	FC (USD)	LC (NRs.)	
													-	-	
2.24	VO #1						-								
	Steel Flushing Pipe at Settling Basin														
2.24.1	Rectanhular Bend Pipes and Inlet Pieces w=0.8m, h=1.5m, Length=10.267m, thickness 6mm with welding of anchor rod (dia. 12mm) at max. 1000mm c/c along the pipe length (Material: SM400B or equivalent)	kg	2426	-	417,272.00		417,272.00	-	252,304.00	252,304.00	-	669,576.00			
2.24.2	Welding of anchor rods (dia. 12mm) at the max. 1000mm c/c along the pipe length and repair of paint at welded zone in previous fabricated straight rectangular pipe.	kg	41	-	5,740.00		5,740.00	-	4,264.00	4,264.00	-	10,004.00			
	Sub Total (2.24)	Kg	2,467.00	-	423,012.00	-	423,012.00	-	256,568.00	256,568.00	-	679,580.00	-	679,580.00	
2.25	VO#2														
	Steel Guide Frame and Embedded Parts for EDV Stoplog Section 2 of Priced Schedule of Prices	Set	1		435,000.00		435,000.00		185,000.00	185,000.00		620,000.00	-	620,000.00	
2.26	VO#3														
	Expansion Joint for Penstock Valve Section 2 of Priced Schedule of Prices	set	1	4,900.00	150,000.00	4,900.00	150,000.00		95,000.00	95,000.00	4,900.00	245,000.00	4,900.00	245,000.00	
2.27	VO#4														
	Electrical Chain Hoist for valve 2.20.2	set			1,084,550.00		1,084,550.00		56,217.50	56,217.50		1,140,767.50	-	1,140,767.50	
2.28	VO#5														
	Monorail Hoist for Tailrace Stoplog 2.15.3	set	1		1,772,406.00		1,772,406.00		288,750.00	288,750.00		2,061,156.00	-	2,061,156.00	
2.29	VO#6														
	Supply and fabrication of Transformer Rail	set	1		1,474,278.68		1,474,278.68			-		1,474,278.68	-	1,474,278.68	
2.30	VO#7														
	Variation in ETC rate due to Design Change of Penstock Pipes	Lot	1						13,131,616.14	13,131,616.14	-	13,131,616.14	-	13,131,616.14	
	Sub Total of (VO & other Payment)			4,900.00	5,339,246.68	4,900.00	5,339,246.68	-	14,013,151.64	14,013,151.64	4,900.00	19,352,398.32	4,900.00	19,352,398.32	
	Total Amount (Schedule - 1+Schedule - 2)			140,768.39	191,456,342.95	140,768.39	190,934,428.64	-	97,943,691.98	97,943,691.98	140,768.39	289,400,034.93	140,768.39	277,228,754.12	
	FC (USD) Portion Average exchange rate as per bill payment @ NPR. 117.09 per 1 USD													16,482,571.10	
	Total Amount													293,711,325.22	

Sanjen Jalavidhyut Company Limited

Sanjen Upper Hydro-electric Project ,14.8 MW

Property Insurance

Description	Sum Insured	Remarks
Design, Supply, Installation/Erection, Testing and Commissioning of 11 Overhead Line	4,632,538.96	
Supply of ACSR Wolf Conductor	7,452,237.00	
Supply of Steel Tubular Pole	5,026,755.23	
Job: Supply and Installation of 132 KV and 11 KV Switchgears and Protection Panel	28,870,542.55	
Total	45,982,073.75	

Note: Details are attached in a separate Sheet

SANJEN JALAVIDHYUT CO. ESTD2010

Sanjen Jalavidhyut Company Limited
Dhumbarahi, Kathmandu

Design, Supply, Installation/Erection, Testing and Commissioning of 11 Overhead Line

Property Insurance of Sanjen(Upper) Hydropower Station-14.8 MW

S.N.	Description	Bill of Material			Total Price
	11 kV Double Circuit Line (New)	Unit	Quantity	Rate(Nrs.)	
2.1	**Electricity Distribution and Control Apparatus**				
1	Single Pole Single Arm Structure Low Angle 0-7 Deg) (SPSA)	Sets	62	18,000.00	1,116,000.00
2	Single Pole Single Arm Structure Low Angle 0-7 Deg) (SPSA) Installation	Sets	62	1,900.00	117,800.00
3	Single Pole Double Dead End Strucutre (SPDDE)	Sets	6	38,000.00	228,000.00
4	Single Pole Double Dead End Strucutre (SPDDE) installation	Sets	6	17,000.00	102,000.00
5	Double Pole Assembly (DPA)	Sets	0	3,500.00	-
6	Double Pole Assembly (DPA) installation	Sets	0	2,000.00	-
7	Double Pole Dead End Single Arm Structure (DPDE)	Sets	0	16,000.00	-
8	Double Pole Dead End Single Arm Structure (DPDE) installation	Sets	0	5,000.00	-
9	Double Pole Double Dead End Strucuture (DPDDE)	Sets	17	92,000.00	1,564,000.00
10	Double Pole Double Dead End Strucuture (DPDDE)installation	Sets	17	35,000.00	595,000.00
11	150 mm² ACSR conductor installation	R-km	23.14	2,800.00	64,792.00
12	Stay set assembly	Set	30.00	7,500.00	225,000.00
13	Stay set assembly installation	Set	30.00	2,900.00	87,000.00
14	Preconstruction Survey	km	6	-	-
15	As built drawing,testing/comissioning complete	km	6	-	-
				Total excluding VAT	**4,099,592.00**
				VAT	**532,946.96**
				Total with VAT	**4,632,538.96**

सान्जेन जलविद्युत कम्पनी लि. स्थापित२०६६ SANJEN JALAVIDHYUT CO. LTD. ESTD2010

Sanjen Jalavidhyut Company Limited

Dhumbarahi, Kathmandu

Supply of Steel Tubular Pole

Property Insurance of Sanjen(Upper) Hydropower Station-14.8 MW

S.N.	Description	Bill of Material			Total Price
	11 kV Double Circuit Line (New)	Unit	Quantity	Rate(Nrs.)	
	NEA DCS				
1	11 Meter STP Folding Pole	Nos.	68	34,964.97	2,377,617.96
9	13 Meter STP Folding Pole	Nos.	34	60,907.00	2,070,838.00
Total excluding VAT					**4,448,455.96**
VAT					**578,299.27**
Total with VAT					**5,026,755.23**

सान्जेन जलविद्युत कम्पनी लि.
स्थापित २०६९
ESTD 2012
SANJEN JALAVIDHYUT CO. LTD.

Sanjen Jalavidhyut Company Limited
Dhumbarahi, Kathmandu

Supply of ACSR Wolf Conductor

Property Insurance of Sanjen(Upper) Hydropower Station-14.8 MW

S.N.	Description	Bill of Material			Total Price
	11 kV Double Circuit Line (New)	Unit	Quantity	Rate(Nrs.)	
	Lumbini Vidhyut Udyog Pvt. Ltd.				
1	ACSR Wolf Conductor	kM	23.14	285,000.00	6,594,900.00
				Total excluding VAT	**6,594,900.00**
	VAT				**857,337.00**
	Total with VAT				**7,452,237.00**

सान्जेन जलविद्युत कम्पनी लि. स्थापित २०६६ ESTD2010 SANJEN JALAVIDHYUT CO.LTD.

SANJEN JALAVIDHYUT COMPANY LTD.

SANJEN (UPPER) HYDROPOWER STATION-14.8 MW

132kV and 11kV Switchgears and Protection Panels

PROPERTY INSURANCE

Sl. No.	Item Description	Unit	As Per Contract		
			Quantity	Rate	Amount (Sum Insured)
1	Preconstruction survey & Design of foundation works of Switchyard equipment	LS	-	500,000.00	-
2	132/11 kV, 15 MVA transformer (Please quote for installation only)	Nos	1.00	450,000.00	450,000.00
3	145 kV, 1250 A, 31.5 kA, 1s, 3 phase, SF6 circuit breaker (three pole operation type) complete with all accessories -supply	set	1.00	2,000,000.00	2,000,000.00
4	145 kV, 1250 A, 31.5 kA, 1s, 3 phase, SF6 circuit breaker (three pole operation type) complete with all accessories -installation	set	1.00	50,000.00	50,000.00
5	145 kV, 1250 A, 31.5 kA,1s,3 phase disconnecting switch with grounding switch complete with all accessories -supply	set	2.00	650,000.00	1,300,000.00
6	145 kV, 1250 A, 31.5 kA,1s,3 phase disconnecting switch with grounding switch complete with all accessories -Installation	sets	2.00	30,000.00	60,000.00
7	132 kV, 50VA, 132/√3kV/110/√3V, 110/√3V voltage transformer complete with all accessories -supply	nos.	3.00	330,000.00	990,000.00
8	132 kV, 50VA, 132/√3kV/110/√3V, 110/√3V voltage transformer complete with all accessories -installation	nos.	3.00	12,500.00	37,500.00
9	132 kV, 30 VA, 4 core current transformer, complete with all accessories -supply	nos.	3.00	350,000.00	1,050,000.00
10	132 kV, 30 VA, 4 core current transformer, complete	nos.	3.00	12,500.00	37,500.00
11	120 kV, 10 kA, single phase lightning arrestor including discharge counter complete with all accessories -supply	nos.	6.00	85,000.00	510,000.00
12	120 kV, 10 kA, single phase lightning arrestor including discharge counter complete with all accessories -installation	nos.	6.00	7,500.00	45,000.00
13	132 kV post insulators -supply	nos.	5.00	50,000.00	250,000.00
14	132 kV post insulators -installation	nos.	5.00	5,000.00	25,000.00
15	9 kV, 10 kA, single phase lightning arrestor -supply	nos.	15.00	20,000.00	300,000.00
16	9 kV, 10 kA, single phase lightning arrestor -installation	nos.	15.00	3,000.00	45,000.00
17	132/11 kV transformer control and relay panel complete with all accessories as per specification. -supply	no.	1.00	1,610,000.00	1,610,000.00
18	132/11 kV transformer control and relay panel complete with all accessories as per specification. -installation	no	1.00	75,000.00	75,000.00
19	12 kV,1250 A,25kA,3s Incomer Vacuum Circuit Breaker(Indoor) with Control Panel including CT/PT and accessories complete (At Chilime Headworks) -supply	no	1.00	1,200,000.00	1,200,000.00
20	12 kV,1250 A,25kA,3s Incomer Vacuum Circuit Breaker(Indoor) with Control Panel including CT/PT and accessories complete (At Chilime Headworks) -installation	no	1.00	50,000.00	50,000.00
21	12 kV,800A,25kA,3s Outgoing Vacuum Circuit Breaker(Indoor) with Control Panel including accessories complete (At Chilime Headworks) -supply	nos.	2.00	1,000,000.00	2,000,000.00
22	12 kV,800A,25kA,3s Outgoing Vacuum Circuit Breaker(Indoor) with Control Panel including accessories complete (At Chilime Headworks) -installation	nos.	2.00	50,000.00	100,000.00
23	12 kV,800A,25kA,3s Vacuum Circuit Breaker(Indoor) with Control Panel including all accessories to complete the specified scope of works (At Chilime HEP) -supply	nos.	-	1,000,000.00	-
24	12 kV,800A,25kA,3s Vacuum Circuit Breaker(Indoor) with Control Panel including all accessories to complete the specified scope of works (At Chilime HEP) -installation	nos.	-	50,000.00	-
25	110 V,250 Ah maintenance free lead acid battery complete with all accessories -supply	set	1.00	630,000.00	630,000.00
26	110 V,250 Ah maintenance free lead acid battery complete with all accessories -installation	set	1.00	30,000.00	30,000.00
27	50A Battery charger for 110 V battery complete with all accessories -supply	set	1.00	425,000.00	425,000.00
28	50A Battery charger for 110 V battery complete with all accessories -installation	set	1.00	75,000.00	75,000.00
29	400V AC Distribution Board including Cable and accessories -supply	set	1.00	45,000.00	45,000.00
30	400V AC Distribution Board including Cable and accessories -installation	set	1.00	15,000.00	15,000.00
31	110 V DC distribution board including cable and accessories -supply	set	1.00	45,000.00	45,000.00
32	110 V DC distribution board including cable and accessories -installation	set	1.00	15,000.00	15,000.00

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SANJEN JALAVIDHYUT COMPANY LTD.
SANJEN (UPPER) HYDROPOWER STATION-14.8 MW
132kV and 11kV Switchgears and Protection Panels
PROPERTY INSURANCE

Sl. No.	Item Description	Unit	As Per Contract		
			Quantity	Rate	Amount (Sum Insured)
33	1*400 mm2, 12 kV, XLPE insulated Copper Power Cable for 132/11 kV, 15 MVA transformer incomer including cable terminations/Sealing- ends and accessories complete as per specification -supply	m	81.00	7,000.00	567,000.00
34	1*400 mm2, 12 kV, XLPE insulated Copper Power Cable for 132/11 kV, 15 MVA transformer incomer including cable terminations/Sealing- ends and accessories complete as per specification -installation	m	81.00	400.00	32,400.00
35	3*240 mm2, 12 kV.XLPE insulated Copper Power Cable for feeder including outdoor type cable terminations/Sealing-ends and accessories complete as per technical specification (including chilime HEP) -supply	m	-	5,999.00	-
36	3*240 mm2, 12 kV.XLPE insulated Copper Power Cable for feeder including outdoor type cable terminations/Sealing-ends and accessories complete as per technical specification (including chilime HEP) -installation	m	-	400.00	-
37	Cable termination kit (Outdoor type) -supply	nos.	15.00	7,500.00	112,500.00
38	Cable termination kit (Outdoor type) -installation	nos.	15.00	2,000.00	30,000.00
39	Cable termination kit (Indoor type) -supply	nos.	15.00	7,500.00	112,500.00
40	Cable termination kit (Indoor type) -installation	nos.	15.00	2,000.00	30,000.00
41	1.1 kV power and lighting cable, including DC circuitry for all works in the switchyard, outdoor lighting, beauty lighting all complete (1 set includes complete lot for substation) -supply	lot	1.00	325,000.00	325,000.00
42	1.1 kV power and lighting cable, including DC circuitry for all works in the switchyard, outdoor lighting, beauty lighting all complete (1 set includes complete lot for substation) -installation	lot	1.00	100,000.00	100,000.00
43	1.1 kV control and instrumentation cable for specified works -supply	lot	1.00	350,000.00	350,000.00
44	1.1 kV control and instrumentation cable for specified works -installation	lot	1.00	100,000.00	100,000.00
45	Lightning mast (1 no. of 13 m steel telescopic pole with galvanized xtension as indicated in drawing) with complete accessories -supply	lot	1.00	100,000.00	100,000.00
46	Lightning mast (1 no. of 13 m steel telescopic pole with galvanized xtension as indicated in drawing) with complete accessories -installation	lot	1.00	5,000.00	5,000.00
47	Galvanized E.H.S. steel wires of size 7/3.35 for lightning shield wire in take-offand internal structures complete with all accessories -supply	lot	1.00	100,000.00	100,000.00
48	Galvanized E.H.S. steel wires of size 7/3.35 for lightning shield wire in take-offand internal structures complete with all accessories -installation	lot	1.00	25,000.00	25,000.00
49	Earthing of substation with conductors, electrode, grounding materials complete with all accessories -supply	lot	1.00	450,000.00	450,000.00
50	Earthing of substation with conductors, electrode, grounding materials complete with all accessories -installation	lot	1.00	100,000.00	100,000.00
51	132 kV insulator strings with necessary hardware, clamps for substation works and connection between support structure (PI), complete as per the specified scope of works -supply	lot	1.00	150,000.00	150,000.00
52	132 kV insulator strings with necessary hardware, clamps for substation works and connection between support structure (PI), complete as per the specified scope of works -installation	lot	1.00	100,000.00	100,000.00
53	ACSR "Bear" conductors for 132 kV with necessary hardware, clamps for connecting with all accessories for substation works and connection between tower and gantry complete as per the specified scope of works. -supply	lot	1.00	200,000.00	200,000.00

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SANJEN JALAVIDHYUT COMPANY LTD.
SANJEN (UPPER) HYDROPOWER STATION-14.8 MW
132kV and 11kV Switchgears and Protection Panels
PROPERTY INSURANCE

SL No.	Item Description	Unit	As Per Contract		
			Quantity	Rate	Amount (Sum Insured)
54	ACSR "Bear" conductors for 132 kV with necessary hardware, clamps for connecting with all accessories for substation works and connection between tower and gantry complete as per the specified scope of works. - installation	lot	1.00	55,000.00	55,000.00
55	Earthwork in excavation in soft soil for site grading and foundation of structure -installation	m3	473.97	750.00	355,477.50
56	Earthwork in filling and compaction as specified	m3	163.79	500.00	81,895.00
57	Stone soling work in foundation	m3	20.01	4,500.00	90,045.00
58	Lean cement concrete (M10) work	m3	10.04	10,000.00	100,400.00
59	M20 Cement concrete work in structure	m3	71.24	17,000.00	1,211,080.00
60	Reinforcement (supplying, cutting bending, placing and binding of reinforcement)	Kg	5,662.75	145.00	821,098.75
61	Form work for casting of RCC structure	m2	385.89	600.00	231,534.00
62	Supply and erection of Galvanized Steel structures for post beam (Gantry), equipment supporting frame etc with all neccessary accessories and fittings all complete as per site condition and as directed by the site engineer.	kg	6,194.99	255.00	1,579,722.45
63	Supply and construction of 10 SWG 50mm x 50mm size chain linked G.I. mesh fencing with 3 lines of 8 SWG support wire and 2.5 m high 65mm x 65mm x 6mm G.I. Angle section posts @ 2 m c/c with 3 lines of 13 SWG barbed wire on 0.5m top bent up portion of the post all complete with all civil works as per drawing specification and site condition	m	145.95	8,000.00	1,167,600.00
64	Switchyard entrance gate as specified	Lot	1.00	50,000.00	50,000.00
65	Supplying, fabrication and installation of ladder in cable trench for cable laying all complete as specified	lot	1.00	50,000.00	50,000.00
66	150mm thick Crushed rock surfacing for switchyard with antiweed treatment	m2	281.76	500.00	140,880.00
67	Approach road construction with 22.5 cm thick sub grade course 15 cm thick sub base course	m2	275.56	4,500.00	1,240,020.00
68	Supply, fabrication, erection and construction erection of control room as per drawing and specification all complete.	lot	2.56	750,000.00	1,920,000.00
69	Dismantling, Shifting from NEA central workshop Hetauda to site, unloading, assembly, oil filtration at substation near to Chilime headwork	no	-	999,999.00	-
70	Custom Duty @15% on Imported Equipment	LS	-	1,636,532.81	-
				Sub Total	**25,549,152.70**
				VAT 13%	3,321,389.85
				Grand Total	**28,870,542.55**

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