

# NEPAL ELECTRICITY AUTHORITY

(An Undertaking of Government of Nepal)

## Project Management Directorate



## Hetauda-Parwanipur-Pokhariya 132 kV Transmission Line Project

*A Component of  
PTDSSP (Power Transmission and Distribution System Strengthening Project)*

## BIDDING DOCUMENT FOR

Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132 kV  
Transmission Line

(Procurement of Plant)

Single Stage, Two - Envelope  
Bidding Procedure (OCB)

Issued on:	<b>25 March 2025</b>
Invitation for Bids No.:	PMD/PTDSSP/HPP/2080/81-01
OCB No.:	PMD/PTDSSP/HPP/2080/81-01
Employer:	Nepal Electricity Authority
Country:	Nepal

**VOLUME: - III OF III**

**March 2025**

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Hetauda-Parwanipur-Pokhariya 132 kV Transmission Line Project  
Project Management Directorate  
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# Preface

This Bidding Document for Procurement of Plant – Design, Supply, and Installation, has been prepared by Nepal Electricity Authority and is based on the Standard Bidding Document for Procurement of Plant – Design, Supply, and Installation (SBD Plant) issued by the Asian Development Bank dated June 2018.

ADB's SBD Plant has the structure and the provisions of the Master Procurement Document entitled "Procurement of Plant – Design, Supply, and Installation", prepared by multilateral development banks and other public international financial institutions except where ADB-specific considerations have required a change.



# Table of Contents - Summary Description

## PART I BIDDING PROCEDURES

<b>Section 1 - Instructions to Bidders (ITB)</b> -----	<b>1-1</b>
This section specifies the procedures to be followed by Bidders in the preparation and submission of their Bids. Information is also provided on the submission, opening, and evaluation of bids and on the award of contract.	
<b>Section 2 - Bid Data Sheet (BDS)</b> -----	<b>2-1</b>
This section consists of provisions that are specific to each procurement and supplement the information or requirements included in Section 1 (Instructions to Bidders).	
<b>Section 3 - Evaluation and Qualification Criteria (EQC)</b> -----	<b>3-1</b>
This section contains the bid evaluation criteria to determine the lowest evaluated bid and lists the necessary qualifications of Bidders.	
<b>Section 4 - Bidding Forms (BDF)</b> -----	<b>4-1</b>
This section contains the forms which are to be completed by the Bidder and submitted as part of its Bid.	
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This section contains the list of eligible countries.	

## PART II REQUIREMENTS

<b>Section 6 - Employer's Requirements (ERQ)</b> -----	<b>6-1</b>
This section contains the Scope of Supply of Plant and Services, Specifications, the Drawings, and Supplementary Information that describe the Facilities to be procured, Personnel Requirements, Equipment Requirements, Certificates, and Change Orders.	

## PART III CONDITIONS OF CONTRACT AND CONTRACT FORMS

<b>Section 7 - General Conditions of Contract (GCC)</b> -----	<b>7-1</b>
This section contains the general clauses to be applied in all contracts. These Conditions are subject to the variations and additions set out in Section 8 (Special Conditions of Contract).	
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This section contains provisions that are specific to each contract and that modify or supplement the GCC. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC. The clause number of the SCC is the corresponding clause number of the GCC.	
<b>Section 9 - Contract Forms (COF)</b> -----	<b>9-1</b>
This section contains forms, which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.	



## Abbreviations

ADB .....	Asian Development Bank
BDF .....	bidding forms
BDS .....	bid data sheet
COF.....	contract forms
CON.....	historical contract nonperformance
ELC.....	eligible countries
ELI.....	eligibility form
EQC .....	evaluation and qualification criteria
EQU.....	equipment form
ERQ.....	employer's requirements
EXP.....	experience form
FIN.....	financial data form
GCC.....	general conditions of contract
IFB .....	invitation for bids
ITB.....	instructions to bidders
OCB .....	open competitive bidding
PCC.....	particular conditions of contract
PER.....	personnel form
SBD .....	standard bidding document





**NEPAL ELECTRICITY AUTHORITY**  
Project Management Directorate  
**Hetauda-Parwanipur-Pokhariya 132 kV Transmission Line Project**

**PMD/PTDSSP/HPP/2080/81-01: Design, Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132 kV Transmission Line.**

**Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad**

LC: Local Currency, FC: Foreign Currency

Item No.	Item Description	Country of Origin	Unit	Quantity	CIP Project Site including insurance, clearing, forwarding and transportation to site (Excluding Taxes and Duties applicable in Nepal)			Total Amount (Excluding Taxes and	Custom, VAT and other taxes
					FC			FC	LC
					Currency#	Unit Rate	Amount		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (7)*(5)	(9)	(10)
1	Design, Fabrication & supply of tower parts following types of towers & tower extension parts complete with stubs & Cleats, step bolts, hangers, D-shackles, bolts & nuts etc but excluding tower accessories such as danger plates, number plates, phase plates, anti-climbing devices( 132 kV LINE)								
	Tower Type 132kv QA,QB,QC QD (4 ckt Tower) with extensions required as per approved profile.(77 loc)								
1.1	High Tensile Steel		MT	621.32					
1.2	Mild Steel		MT	351.84					
1.3	Supply of Bolt & Nuts for various for towers including step bolts and spring washers		MT	52.33					
2	<b>Supply of Tower Accessories &amp; Earthing</b>								
2.1	<b>Tower Accessories</b>								
a	Danger Plate		No.	77					
b	Number Plate		No.	77					
c	Anti Climbing Device		Sets	77					
d	Phase Plate (RYB 1 set)		Sets	308					
e	Circuit Plate		Sets	308					
f	Bird Guards		Sets	924					
g	Aviation signal		Sets	10					
2.2	<b>Supply of Tower Earthing Material</b>								
a	Pipe Type Earthing set		sets	70					
b	Counterpoise Type								
	i) Counterpoise Type - 25 m		sets	20					
	ii) Counterpoise Type - 50 m		sets	8					
	iii) Counterpoise Type - 100 m		sets	4					
3	<b>Supply of Line Materials</b>								
3.1	<b>Conductor and Groundwire (Line Length)</b>								
a	Supply of ACSR conductor, code name "BEAR"		km	277.2					
b	Steel ground wire with optical fiber (48 core-fiber)		km	22.72					





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					FC			FC	LC
					Currency#	Unit Rate	Amount		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (7)*(5)	(9)	(10)
<b>3.2</b>	<b>Insulator strings with insulators, attachment assemblies and arcing horns all complete for ACSR "BEAR" conductor and attachment assemblies all complete for OPGW</b>								
a	Single suspension with 1 composite long rod insulator 70kN complete for "BEAR" conductor		Set	612					
b	Double suspension with 2x1 composite long rod insulator 70kN complete for "BEAR" conductor		Set	24					
c	Single tension with 1 composite long rod insulator 120kN complete for "BEAR" conductor		Set	588					
d	Double tension with 2x1 composite long rod insulator 120kN complete for "BEAR" conductor		Set	60					
e	Pilot single suspension with composite rod insulator 70kN along with counterweights suitable for Bear ACSR Conductor		Set	138					
f	OPGW suspension Hard ware with preformed assembly complete		Set	92					
g	OPGW tension Hardware preformed assembly complete for one tower		Set	56					
h	Midpsan Compression joints Suitable for Bear ACSR conductor		Set	150					
i	Repair sleeves for ACSR Bear Conductor		Set	100					
<b>3.3</b>	<b>Preformed fittings for OPGW</b>								
a	Optical approach cable for New Pokharia Substation.		Km	0.5					
b	Optical Distribution Frames and other accessories required for connection with Multiplexer of New Pokhariya Substation.		Lot	1					
c	Joint Boxes for OPGW with cable fixing cleats		set	12					
<b>3.4</b>	<b>Vibration Dampers</b>								
a	Stockbridge Vibration damper for BEAR Conductor		set	2520					
b	Stockbridge Vibration damper for OPGW overhead ground wire with preformed armour rods		set	162					
<b>4</b>	<b>Spare Parts</b>								
<b>4.1</b>	<b>Galvanized steel tower with required extension including Stubs ( each 1 no full set)</b>								
a	Tower type QA+6 ( 1 no)								
b	Tower type QB+6 (1 no)								
c	Tower type QC+6 (1no)								
d	Tower type QD+9 each (1 no)								
4.1.1	High Tensile Tower parts		MT	51.01					
4.1.2	Mild Steel Tower Parts		MT	22.56					





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					FC			FC	LC
					Currency#	Unit Rate	Amount		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (7)*(5)	(9)	(10)
4.1.3	Supply of Bolt & Nuts for various for towers including step bolts and spring washers		MT	3.84					
<b>4.2</b>	<b>Insulator strings with insulators, attachment assemblies and arcing horns all complete for ACSR "BEAR" conductor and attachment assemblies all complete for OPGW</b>								
a	Single suspension with 1 composite long rod insulator 70kN complete for "BEAR" conductor		sets	24					
b	Double suspension with 2x1 composite long rod insulator 70kN complete for "BEAR" conductor		sets	24					
c	Single tension with 1 composite long rod insulator 120kN complete for "BEAR" conductor		sets	60					
d	Double tension with 2x1 composite long rod insulator 120kN complete for "BEAR" conductor		sets	12					
e	Pilot single suspension with composite rod insulator 70kN along with counterweights suitable for Bear ACSR Conductor		sets	12					
f	OPGW suspension Hard ware with preformed assembly complete		sets	6					
g	OPGW tension Hardware preformed assembly complete for one tower		sets	6					
<b>4.3</b>	<b>Conductor and accessories</b>								
a	Mid span compression sleeves for ACSR "BEAR" conductor		nos.	35					
b	Repair sleeve for ACSR "BEAR" conductor		nos.	35					
c	Stockbridge Vibration Damper for ACSR "BEAR"		nos.	40					
<b>4.4</b>	<b>Overhead OPGW and accessories</b>								
a	Optical fiber ground wire		km	1					
b	Optical approach cable		km	1					
c	Vibration Damper for OPGW		set	12					
<b>5</b>	<b>Tools And Equipment</b>								
5.1	Flat wrench for different size of bolts		sets	2					
5.2	Pipe wrench for common bolts		sets	2					
5.3	Come along clamp for BEAR conductor		sets	4					
5.4	Come along clamp for OPGW		nos.	4					
5.5	Torque Wrench for different size of bolts		sets	4					
5.6	Safety belt		sets	12					
5.7	Portable Hydraulically operated Crimping tools with 2 sets of dies each for Conductor "BEAR", "CARDINAL", "MOOSE", & OPGW		sets	1					





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					FC			FC	LC
					Currency#	Unit Rate	Amount		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (7)*(5)	(9)	(10)
5.8	Safety helmet		sets	12					
5.9	Double sheeve pulley block 5 MT capacity complete with all accessories		sets	4					
5.10	Four sheeve pulley block 10 MT capacity complete with all accessories		sets	2					
5.11	Sagging Winch Machine 10 MT capacity		sets	1					
5.12	Earth discharge rod with FRP tube		set	4					
5.13	132 kV Line (Proximity voltage Detector) Tester		set	1					
5.14	Digital Earth resistance tester, battery operated with measuring range 0-1000 ohms minimum, complete with accessories (Megger Make)		set	1					
5.15	Steel ropes (Pilot wire) 35 sq. mm		m	500					
5.16	Rubber covered rollers, pullies (2,3 keys)		sets	4					
5.17	Line operator's leather gloves		pairs	4					
5.18	Insulation tester (10000 V) suitable for outdoor line testing purpose		No.	1					
<b>Total of Schedule No.1 to Grand Summary)</b>									
<b>CARRIED TO THE GENERAL SUMMARY (Schedule 5)</b>									

Note : 1) Bidder is required to quote prices in this Schedule for all the individual items/sub-items.

2.) The Prices of equipments are inclusive of type test charges.

3.) BOQ given above is indicative only based on the scope of work as given in Employer's Requirements. The quantities mentioned above may undergo change during detailed engineering to meet the functional requirement and scope of work defined in Employer's Requirements.

Specify currency in accordance with BDS ITB Clause 32.1, Part-I of the Bidding Documents.

\* Strike-out whichever is not applicable.

**Name of Bidder:**  
**Signature of Bidder:**  
**(Printed Name)**  
**(Designation)**  
**(Common Seal)**

**Date:**









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**Schedule No. 4A: Installation, Testing & Commissioning Services & Civil Works**

Item No.	Item Description	Estimated		Construction and Installation (Excluding Taxes)					REMARKS
		Unit	Quantity	Portion of Local Currency, LC		Portion of Foreign Currency, FC			
				Unit Rate	Amount	Currency #	Unit Rate	Amount	
(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)	(8)	(9)=(7)x(8)	
<b>1</b>	<b>Survey</b>								
a	Check survey and review of profile including L/R profile in undulation, tower spotting, staking of tower locations and survey on tower location where required.	Km.	22.00						
b	Detail Survey and associated works at few locations.	Km.	5.00						
c	Preparation of Land Parcel data for tower pad and ROW lands	Lot	1.00						
d	Clearing the land & construction of all required access and maintenance roads, and restoration of any modifications made for access roads if required.	m <sup>2</sup>	40000.00						
<b>2</b>	<b>Soil Investigation</b>								
a	All kinds of Soils except fissured rock & hard rock	Loc.	30						
b	Fissured Rock (Both dry and wet)	Loc.	0						
c	Hard Rock	Loc.	0						
d	River Crossing	Loc.	2						
e	Furnishing Bore Log Data	Loc.	30						
f	Measurement of ground resistance	Loc.	38						
<b>3</b>	<b>Benching</b>								
a	Normal Soil	Cum.	1500						
b	Fissured Rock	Cum.	0						
c	Hard Rock	Cum.	50						
<b>4</b>	<b>Work associated with installation of tower foundations with excavation and backfilling</b>								
	Excavation and re backfilling of soil while foundation execution								
<b>4.1</b>	Wet Soil with water	Cum.	26489.6						
<b>4.2</b>	Hard Rock requires Blasting	Cum.	500						
	Concreting (including all associated works related to foundations)								
<b>4.3</b>	M20 Concrete Nominal Mix 1:1.5:3	Cum.	4041.38						
<b>4.4</b>	M10 Concrete Nominal Mix 1:3:6	Cum.	392.3						





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Item No.	Item Description	Estimated		Construction and Installation (Excluding Taxes)					REMARKS
		Unit	Quantity	Portion of Local Currency, LC		Portion of Foreign Currency, FC			
				Unit Rate	Amount	Currency #	Unit Rate	Amount	
(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)	(8)	(9)=(7)x(8)	
	<b>Pile foundations</b>								
4.5	M30 Concrete Pile Cap	Cum.	64						
4.6	Pile Casting including boring as per TS and as per approved design.	RM	192						
4.7	Providing High Yield Strength Deformed (HYSD)/ Thermo Mechanically Treated (TMT) steel bars ( Fe 500 grade as per IS 1786-1979) different diameters for RCC works , including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc., complete for finished item of work in conventional foundations and in Pile foundations	MT	321.224						
5	<b>Erection of towers &amp; tower extension parts complete</b> with step bolts, hangers, D-shackles, bolts & nuts etc, including tack welding and supply and application of enamel & zinc rich paint but excluding tower accessories such as danger plates, number plates, phase plates, anti-climbing devices (for QA, QB, QC & QD Mckt (4 ckt) towers) including incidental transport and handling charges.	MT	982						
6	<b>Installation of Tower Accessories &amp; Earthing</b>								
6.1	<b>Tower Accessories</b>								
a	Danger Plate	No.	77						
b	Number Plate	No.	77						
c	Anti Climbing Device	Sets	77						
d	Phase Plate (RYB 1 set)	Sets	308						
e	Circuit Plate	Sets	308						
f	Bird Guards	Sets	924						
g	Aviation signal	Sets	10						
6.2	<b>Installation of Tower Earthing Material</b>								
a	Pipe Type Earthing set	sets	70						





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Item No.	Item Description	Estimated		Construction and Installation (Excluding Taxes)					REMARKS
		Unit	Quantity	Portion of Local Currency, LC		Portion of Foreign Currency, FC			
				Unit Rate	Amount	Currency #	Unit Rate	Amount	
(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)	(8)	(9)=(7)x(8)	
	Counterpoise Type								
b	i) Counterpoise Type - 25 m	sets	20						
	ii) Counterpoise Type - 50 m	sets	8						
	iii) Counterpoise Type - 100 m	sets	4						
<b>7</b>	<b>Installation of Line Materials</b>								
<b>7.1</b>	<b>Stringing of Conductor and Groundwire including jumpering</b>								
a	Stringing of 22 km, 132 kV Multi circuit transmission line ACSR conductor in 4-ckt tower, code name "BEAR" including mounting of Insulator & Hardware assembly armour rod, mid span compression joints, repair sleeves etc to complete the job	km	22.0						
b	Stringing of 22 km, steel ground wire with optical fiber (48-fiber) including intermediate splice boxes and necessary terminal splice boxes, etc.	km	22.0						
<b>7.2</b>	<b>Insulator strings with insulators, attachment assemblies and arcing horns all complete for ACSR "Bear" conductor and attachment assemblies all complete for OPGW</b>								
a	Single suspension with 1 composite long rod insulator 70kN complete for "BEAR" conductor	Set	612						
b	Double suspension with 2x1 composite long rod insulator 70kN complete for "BEAR" conductor	Set	24						
c	Single tension with 1 composite long rod insulator 120kN complete for "BEAR" conductor	Set	588						
d	Double tension with 2x1 composite long rod insulator 120kN complete for "BEAR" conductor	Set	60						
e	Pilot single suspension with composite rod insulator 70kN along with counterweights suitable for Bear ACSR Conductor	Set	138						
f	OPGW suspension Hard ware with preformed assembly complete	Set	92						
g	OPGW tension Hardware preformed assembly complete for one tower	Set	34						
<b>7.3</b>	<b>Installation of Preformed fittings for OPGW</b>								
a	Optical approach cable for New Pokharia Substation.	Km	0.5						
b	Optical Distribution Frames and other accessories required for connection with Multiplexer of New Pokhariyaj Substation.	Lot	1						
<b>7.4</b>	<b>Installation of Vibration Dampers</b>								
a	Stockbridge Vibration damper for BEAR Conductor	set	2520						
b	Stockbridge Vibration damper for OPGW overhead ground wire with preformed armour rods	set	162						





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Item No.	Item Description	Estimated		Construction and Installation (Excluding Taxes)					REMARKS	
				Portion of Local Currency, LC		Portion of Foreign Currency, FC				
		Unit	Quantity	Unit Rate	Amount	Currency #	Unit Rate	Amount		
(1)	(2)	(3)	(4)	(5)	(6)=(4)x(5)	(7)	(8)	(9)=(7)x(8)		
<b>8</b>	<b>Protection of tower footing</b>									
a	Random rubble stone masonry including excavation (1:4 cement: sand)	CUM	1500							
b	Stone bound in galvanizing wire netting including excavation (Gabion box protection)	CUM	1500							
c	Back filling and leveling of volumes enclosed by revetment	CUM	200							
d	M20 Conc. Nominal Mix 1:1.5:3 for protection work.	CUM	200							
e	Reinforcement Bars	tons	5							
	<b>Total of Schedule No. 4A to Grand Summary)</b>									

Note: The unit rate in this sheet does not include Local Transportation, Insurance and other Incidental services (including port clearance etc.).

Specify currency in accordance with ITB Clause 12.1 and corresponding BDS clauses, Vol.I of the Bidding Documents.

**Name of Bidder:**  
**Signature of Bidder:**  
(Printed Name)  
(Designation)  
(Common Seal)

**Date:**





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PMD/PTDSSP/HPP/2080/81-01: Design, Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132 kV Transmission Line.

### Schedule No. 4

B: Training Charges for training to be imparted to Employer's Personnel by Bidder's Instructor in Abroad

Sl. No.	Description	Item for which training is to be imparted.	Country where training is to be imparted	Nos. of Trainee	Training duration in days	Total Training Charges		Remarks
						Charges (FC)	Total Training Charges (FC)	
	Training Charges for the trainings to be imparted abroad to Employers personnels							
		<b>Not Applicable</b>						
	<b>Total for Training Charges</b>							
<b>Total of Schedule- 4B</b>								

### REMARKS:

1. Training at Manufacturer's works: The Bidder/Contractor shall include in the training charges payment of per Diem allowance to Employer's Personnel (NEA trainees) @ USD 150 per day per trainee for the duration of training abroad towards accommodation, meals and other incidental expenses and to and fro economy class air ticket from Nepal to place of training. The duration of training shall be excluding travelling period.






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### Schedule No. 4

#### C: Training Charges for training to be imparted to Employer's Personnel by Bidder's Instructor in Nepal

Sl. No.	Description of the Test	Item for which training is to be imparted.	Training duration in days	Currency	Training Charges for		Remarks
					Unit rate (LC)	Total Training Charges (LC)	
1	2	3	4	5	6	7 = 4x 6	
		Not Applicable					
Total for Training Charges							
<b>Total of Schedule- 4 C</b>						-	

#### REMARKS:

2. On Job Training in Nepal: The traveling and living expenses of Employer's personnel for the training programme conducted in Nepal shall be borne by the Employer (Owner).





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### Schedule No. 4

#### D: Maintenance Charges

SI No	Description	Unit	Qty.	Total Maintenance Charges			Remarks
				Currency	Unit Rate (LC)	Total Maintenance Charges (NPR)	
	1	2	3	4		5	
	<b>Not Applicable</b>						
	<b>Total Maintenance Charges</b>						
	<b>Total of Schedule- 4A (d)</b>						-





**NEPAL ELECTRICITY AUTHORITY**  
Project Management Directorate  
**Hetauda-Parwanipur-Pokhariya 132 kV Transmission Line Project**

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**Schedule No. 4**

**E: Prototype Testing of Tower**

Item No.	Item Description	Estimated		Unit Price			Total Price		Remarks
		Unit	Quantity	Local Currency Portion (LC) (NPR)	Foreign Currency #	Foreign Currency Portion (FC)	Local Currency Portion (LC)	Foreign Currency Portion (FC)	
1	2	3	4	5	6	7	8	9	10
1	<b>Proto Type Testing of Towers</b>								
a	Tower Type QA with extension +9m	No.	1						
b	Tower Type QB with extension +9m	No.	1						
c	Tower Type QC with extension +9m	No.	1						
d	Tower Type QD with extension +9m	No.	1						
	<b>Total Testing cost</b>								
<b>Total of Schedule -4E Carried to General Summary, Schedule 5</b>									

**Name of Bidder:**  
**Signature of Bidder:**  
(Printed Name)  
(Designation)  
(Common Seal)

  




# NEPAL ELECTRICITY AUTHORITY

## Hetauda-Parwanipur-Pokhariya 132 kV Transmission Line Project

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### Schedule No. 4

#### F: EHS Requirements

Item	Description	Unit	Quantity	Amount in NPR	Foreign Currency (FC) #	Amount in FC
<b>1</b>	<b>Implementation of EHS as per the EMP requirements as mentioned in Annex-A, Volume II.</b>					
1.1	Pollution Study (air and dust pollution, water pollution, noise pollution, etc. as mentioned in Annex-A, Volume II).	Set	1			
1.2	Staffing (Safety and Occupational Health Expert, Environment Expert, GESI Specialist) as mentioned in Personnel Requirements, Section 6 - Employer's Requirements of Volume I & EMP requirements, Annex-A, Volume II.	Set	1			
1.3	Occupational Health & Safety including Medical Insurance of the Laborers.	Lump sum	1			
1.4	Solid and hazardous waste management study and implementation.	Lump sum	1			
2	Construction of Labour Camp as mentioned in Annex-B, Volume II (Labor Camp Standards to be Complied by The Contractor During Implementation).	Set	1			
3	Bird Survey Works along with the proper documentation as per the EMP requirements mentioned in Annex-A, Volume II.	Set	1			
4	Other material, equipment, human resources, trainings or those items/studies/ trainings not specifically mentioned but deemed necessary based on EMP requirements.	Lump sum	1			
	<b>TOTAL (Carried to General Summary, Schedule 5)</b>					

# - Please mention the designation of currency.

Signature:

Printed  
Name:

Designation:

Common  
Seal:





# NEPAL ELECTRICITY AUTHORITY

Project Management Directorate

## Hetauda-Parwanipur-Pokhariya 132 kV Transmission Line Project

PMD/PTDSSP/HPP/2080/81-01: Design, Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132 kV Transmission Line.

### Schedule No. 5: Grand Summary

Sl. No.	Description	Total Amount		Remarks
		Total Price Foreign (FC)*	Total Price Local (LC)*	
1	<b>TOTAL SCHEDULE NO. 1</b>			
	Plant and Equipment including Mandatory Spares to be supplied from abroad, including Type Test Charges for Type Tests to be conducted abroad.			
2	<b>TOTAL SCHEDULE NO. 2</b>			
	Plant and Equipment including Mandatory Spares Parts to be supplied from within Nepal including Type Test Charges			
3	<b>TOTAL SCHEDULE NO. 3</b>			
	Design Services			
4	<b>TOTAL SCHEDULE NO. 4</b>			
	A. Installation Charges and construction charges			
	B. Training Charges for Training to be imparted abroad			
	C. Training Charges for Training to be imparted in Nepal			
	D. Maintenance charges			
	E. Prototype Testing of Towers			
	F. ESHS			
5	<b>GRAND TOTAL [1A+2A+3A+4A(a)+4A(b)+4A(c)+4A(d)+4A(e)] excluding Custom duty &amp; VAT</b>			
6	<b>Contingencies@5%</b>			
7	<b>Total Including contingency</b>			
8	<b>Custom duty @1% on supply</b>			
9	<b>Value Added Tax (VAT) (13%) on Local supply and services</b>			
10	<b>Grand Total (including Custom duty, VAT, Contingency)</b>			

Signature:

Printed Name:

Designation:

Common Seal:

