स्थायी लेखा नं.: २०१२९६१९० कार्यालय कोड नं.: ८०१०५१२८ ठाकुरबाबा नगरपालिका Thakurbaba Municipality



नगर कार्यपालिकाको कार्यालय



Office of the Municipal Executive

(Google Plus Code: C8RJ+C6 Neulapur)

प्रमानमार्ग सिर्देशा विद्यातिक प्रमान Saina Wan र Bar diva लुम्बिनी प्रदेश, नेपाल Lumbini Province, Nepal

विषयः दरभाउपत्र पेश गर्ने सम्बन्धि सार्बजनिक सूचना ।

(सूचना प्रकासन मिति: २०८०/१२/१५)

प्रस्तुत विषयमा यस कार्यालयबाट तत्काल ठाकुरबाबा शित भण्डार निर्माणकार्य को स्टील पार्ट्स जडान गर्नका लागि इन्जिनियरिंग परामर्श सेवा खरिद गर्नुपर्ने भएकोले यसै पत्रसाथ सम्लग्न TOR र BOQ बमोजिमको काम के कित दररेटमा गर्न सिकने हो ७ दिन भित्र दरभाउपत्र तपिसल बमोजिमको कागजातसिहत पेश गर्नु हुन जानकारी गराइन्छ।

तपसिल:

- १) व्यवसाय दर्ता प्रतिलिपि
- २) स्थाई लेखा नम्बर दर्ता प्रमाणको प्रतिलिपि
- ३) अ. बा २०७९/८० को कर चुत्ता प्रमाणपत्रको प्रतिलिपि
- ४) नगरपालिकामा स्कृति भएको प्रमाण पत्र वा स्कृति हुनलाई निबेदन
- ५) नेपाल इन्जिनियरिंग परिषदद्वरा जारि गारिएको सिभिल इन्जिनियरिंग लाइसेन्स
- ६) कम्तिमा पाँच वर्षा सिभिल इन्जिनियरिंग निर्माण संग सम्बन्धित अनुभवपत्र र कुनै एक Steel Truss योजनामा काम गरेको अनुभव पत्र

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रामहीर रिजाल प्रमुख प्रशासकीय अधिकृत

THAKURBABA MUNICIPALITY OFFICE OF MUNICIPAL EXECUTIVE SAINWAR, BARDIYA

Terms of Reference (TOR)

For

Hiring Civil Engineering Consultancy Service For Steel Structure in Construction of Cold Store

(Contract No: TBM/W/NCB/30/2079/080)

Thakurbaba Municipality sainwar, Bardiya Fiscal Year 2080/81 Terms Of Reference (ToR) Hiring Civil Engineering Consultancy Service For Steel Structure in Construction of Cold Store (TBM/W/NCB/30/2079/080)

1. Background

Thakurbaba Municipality is developing a cold storage facility for the storage of vegetables at controlled low temperatures in Thakurbaba ward no. 3, Bagnaha, Bardiya. The primary objective of this facility is to preserve the freshness, quality, and nutritional value of harvested potatoes (900 Metric Ton) and onion (900 Metric Ton) for extended time periods. The cost of this project is Rs 124657539.16. This project is new to us regarding steel parts and its assembly.

2. Objective

The primary objective for hiring this service is to provide expert guidance, technical oversight, and project management support for the construction of a cold store (Contract No: TBM/W/NCB/30/2079/080) from its initial phase to completion phase of steel structure, assembly and fabrication.

3. Scope of Work

The consultant's responsibilities will include, but not be limited to:

3.1. Construction Phase

- Study the Design, Drawing, Specification and BOQ of this Project.
- Supervise and monitor the construction activities regarding Steel item to ensure compliance with approved plans, design and specifications and quality.
- Provide technical advice on any unforeseen challenges and must inform to municipality office in case of any changes has to be made in the project.
- Oversee and make sure the implementation of safety protocols.
- To inspect the constructed work and make a complete summary report from starting to ending including as built drawing.

4. Deliverables

The consultant is expected to deliver the following:

- Any Written direction, instruction to contractor which regarding to Quality as per Contract Document
- Contractors Bill Regarding Civil item for Approval.

5. Timeline

The expected duration of steel items of work is 1.5 years but consultant is assumed to minimum 5 visit with total minimum 20 full days

6. Qualifications

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इ. जान वहादुर १ NEC 9८५२२ सिमिल रामहरि रिजाल प्रमुख प्रशासकीय अधिकृत



The consultant should have the following qualifications:

• Civil Engineer with minimum 5 years working experience and at least one project experience having Steel Parts item and Its Assembly in any large Steel Structure projects

7. Reporting and Communication

The consultant will report to Thakurbaba Municipality Office, Sainawar, Bardiya and will maintain regular communication regarding project progress.

8. Confidentiality

The consultant shall maintain confidentiality regarding all project-related information.

9. Submission of Proposals

Interested consultants should submit their detailed proposals, including a CV, certificate of respective degree and authorized experience certificate of relevant past work as per notice.

10. Mode of Payment

The fee of the consultant will be paid after every IPC and in ratio of IPC amount to Project cost.

10. Contact Information

For inquiries or additional information, please contact:

Ram Hari Rijal, Chief Executive officer:- 9851253351

Gyan Bahadur Tharu, Engineer: 9844822687

Thakurbaba Municipality office,

Sainawaar, Bardiya.

Dupa Michael

इ. ज्ञान वहां दुर थारू NEC १८५२९ सिनिल क वर्ग

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Bill of Quantities

	Generalina	a this	
JV Name	Bidder Email स्था	2002 IFB No	Submitted on
Keshav Shah/Shyam Gyan JV	rawat.keshav771@gmail.com	TBM/W/NCB-30/079/80	06/05/2023 10:50:15 AM

		Pı	rocument Iten	n Details		
SI. No.	Item Description	Unit	Quantity	Rate(NRs)	Rate in Words	Amount(NRs)
1	Supply and erection of Project Information board 1.8 x 1.2 m size including full compensation for labour,materials,transoprtation and other incidental all complete as per Instruction of site Engineer.	PS	1.0	10,000.00	ten thousand	10,000.00
2	Insurance premium for the work, plant Equipment and materials damage for contract work for all risk including Riot,Strike, Damage, Malicious damage and Terrorism for contract work of 100,000,000.000 for 1 year + 1 year Maintenance period as per Instruction of site Engineer.	PS	1.0	440,533.72	four hundred forty thousand five hundred thirty three point seven two	440,533.72
3	Insurance Premium for Manpower (Contractor,Engineer,Office Staff, Consultant, Labour)for Insurance of Rs.7,00,000.00 Per Persion for 20 persons for Project Period as per Instruction of site Engineer	PS	1.0	100,000.00	one hundred thousand	100,000.00
4	Carrying out diferrent Additional laboratory tests of construction material like cement, rod, bricks, sand, aggregate, filling materials, concrete cubes etc. during construction work as per specification and direction as per Instruction of site Engineer.	PS	1.0	150,000.00	one hundred fifty thousand	150,000.00
5	Providing of as Built Drawing Showing Each Element of Sanitary and Electrical Element and HVAC For maintenance Purpose and all complete as per instruction of site engineer	Ps	1.0	20,000.00	twenty thousand	20,000.00
6	Costs for other miscellaneous items as per site requirement & as per Instruction of Site Engineer.	PS	1.0	100,000.00	one hundred thousand	100,000.00
			•		Total	820,533.72
2 (Construction work					
		P	rocument Iter	n Details		
SI.	Item Description	Unit	Quantity	Rate(NRs)	Rate in Words	Amount(NRs)

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	कार्यप्रिक्ता कार्र Item Details								
Sl. No.	Item Description	Unit	वनी र	Quantity	Rate(NRs)	Rate in Words	Amount(NRs)		
1	Supplying necessary material and Establishing Site Camp for storage of construction material and labour rest room as per instruction of site engineer.	Job		1.0	50,000.00	fifty thousand	50,000.00		
2	Site clearance work with cutting of grass removing its root, dressing of undulated areas and leveling disposing ,debries & unused construction material out of site after construction all complete as per Instruction of Site Engineer.	Sqm		10000.0	50.00	fifty	500,000.00		
3	Earthwork excavation in all Soft/Medium soils for building foundation and site development by Manually, lift up to 1.5m ramming of bottom, stacking of excavated materials at 10m, clear from the edge of foundation trench, all complete as per specification, drawings and instruction of site engineer.	Cum		508.87	150.00	one hundred fifty	76,330.50		
4	Dewatering works using water pump of capacity about 5HP as per the quantity of water to be exctracted from trench work or well works or Raft foundation works including the cost of fuel, labor and necessary accessories for efficient foundation work progress etc all complete as per specification and as per Instruction of Site Engineer	Job		1.0	50,000.00	fifty thousand	50,000.00		
5	Back filling(Manually) with Exavated Earth filling material to the flooring of building/structure/ground. Back filling materials shall be applied on layers by layers of 150 mm thick, watering and compaction, includes haulage distance of 10m and all complete as per specification, drawings and as per Instruction of Site Engineer.	Cum		508.87	500.00	five hundred	254,435.00		
6	Back filling with approved soil (transported soil from outside) in to the flooring of building/structure/ground. Back filling materials shall be applied on layers by layers of 150 mm thick, watering and compaction includes haulage distance of 10 and all complete as per specification, drawings and as per Instruction of Site Engineer.	Cum		525.0	500.00	five hundred	262,500.00		
7	Providing and laying of hand packStone soling with 150 to 200 mm thick stones and packing with smaller stone on prepared surface as per Drawing and Technical Specifications and as per Instruction of Site	Cum	7	202.44	4,000.00	four thousand	809,760.01		

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	Procument Lians Details									
Sl. No.	Item Description	Unit	Quality of	Mate(NRs)	Rate in Words	Amount(NRs)				
7	Engineer.	Cum	202.44	4,000.00	four thousand	809,760.01				
8	Providing, laying, compacting and curing plain cement concrete M10 (1: 3:6) with 53 grade OPC cement, crusher Washed sand and crushed aggregate(using mixture machine) finishing to approved level, lines and dimensions using vibrator and all complete as per drawings, specifications and as per Instruction of Site Engineer.	Cum	108.63	10,000.00	ten thousand	1,086,299.97				
9	Providing, laying, compacting and curing plain cement concrete M20 (1: 1.5:3) with approved 53 grade OPC cement, crusher washed sand and crushed aggregate water proof chemical agent and admixture in Top Of Slab (using mixture machine) finishing to approved level, lines and dimensions using vibrator and all complete as per drawings, specifications and as per Instruction of Site Engineer.	Cum	442.34	15,000.00	fifteen thousand	6,635,099.95				
10	Providing & laying with approved quality local chimney made first class bricks for super and substructure in 1: 4 cement(OPC 53 grade) sand mortar finished in perfect line & level including wetting the bricks, packing the joints & curing the work all complete as per drawings, specification & as per Instruction of Site Engineer.	Cum	209.38	14,000.00	fourteen thousand	2,931,320.07				
11	Formworks: Providing 12mm thick waterproof plywood and steel prop formwork for all concrete works necessary propping, scaffolding, staging, supporting inclusive of wedging and cutting holes for utilization work till the support is full unyielding nett for foundation/Column/Sill/Lintel/Slab/B eam etc including cost of all materials, all complete as per specification, drawings and as per instruction of engineer.	Sqm	812.44	800.00	eight hundred	649,952.00				
12	Reinforcement Steel Works: Providing, straightening, cleaning, cutting, fabricating, bending, stirrups making and tying TMT (Fe 500) for main reinforcement bars and binding the bars with 18 gauge annealed wire for tying them at each junction as per design and details for all types of RCC elements including all waste and cut pieces, provision for spacers, chairs, providing and placing cover blocks cement mortar (1:1) to keep	kg	28280.69	140.00	one hundred forty	3,959,296.52				

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		Pr	ochinent len	Details		
Sl. No.	Item Description	Unit	Quantita	Rote(NRs)	Rate in Words	Amount(NRs)
12	the bars in the intended position at all levels etc. including cost of all materials and accessories, all complete as per specification, drawings and as per instruction of engineer.	kg	28280.69	140.00	one hundred forty	3,959,296.52
13	Supplying and Plastering with 12.5 mm plaster in walls in 1:4 cement sand plaster in walls in perfect line and level using approved quality of OPC cement and sand include curing and all works complete and as per the instruction of the site Engineer.	Sqm	183.35	500.00	five hundred	91,675.00
14	3mm thick punning work cement (OPC)and water(1:1) as per Instruction of Site Engineer.	Sqm	1711.87	200.00	two hundred	342,374.00
15	Supplying and Installing Different Section Metal Works (2- ISMC/ISMB/ISNB/Splicing Plates/Angle Section) including jointing, fixing, erection ,welding and primer,two coat enamel paint with all necessary M.S. bed plates,gusset plate,splice member, shoe aangle sections ,anchor/shear/splicing bolts (grade 4.6 (as per design of different length and dia) leas sheeting or cement /non shrink grouting, Necessary material all complete as per specification, drawings as per instructions of Site Engineer.	Kg	232681.4	180.00	one hundred eighty	41,882,658.75
16	Supplying, Installing, fixing galvanized coated (80GSM) Steel Slab Deck Sheet (0.8mm thick, yeild strength 286-297, TS-345mpa, finished width 2.51ft(+-0.05kg), Extensibilty 35-40%, Fire Resistance 4hrs) with sufficient shear struds as per specification and instruction of engineer.	KG	8040.93	300.00	three hundred	2,412,279.05
17	Supplying, installing and fixing approved quality 150 mm thick puf panel of good insulating properties as per specification and instruction of engineer.	Sqm	1292.18	7,000.00	seven thousand	9,045,260.38
18	Providing and fixing of 24 guage coloured corrugated CGI sheet (heavy class) for roof including fixing in proper shape and size with all necessary rails screws bolts and nuts washer J & L hooks etc including cost of materials and accessories etc all complete as per specification, drawings & as per Instruction of Site Engineer.	Sqm	1071.0	2,500.00	two thousand five hundred	2,677,500.00
19	Providing and fixing of 26 guage Coloured plain CGI sheet(medium	Rm	45.0	2,000.00	two thousand	90,000.00

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		Pi	ogninent for	n Details	0	
Sl. No.	Item Description	Unit	स्था. Quantity	Rate(NRs)	Rate in Words	Amount(NRs)
19	class) for roof ridge including fixing in proper shape and size with all necessary rails screws bolts and nuts washer J & L hooks etc including cost of materials and accessories etc all complete as per specification, drawings & as per instruction of Site Engineer	Rm	45.0	2,000.00	two thousand	90,000.00
20	Supplying and installing Truss Gutter using 24 guage CGI(Heavy Class) colored sheet and ms pipe and all complete as per instruction of engineer.	Rm	90.0	1,500.00	one thousand five hundred	135,000.00
21	Supplying And Installing Almunium swing door and hings door(with almunium composite pannel) of section size (102x45x1.5mm/different size of same thicknes)fitted with 5mm clear glass or 9mm both sides laminated board Having well insulated material (of sandwitch form/insulated in outer body) with proper sealing including handle and hydraulic door closer cost) and all complete as per Instruction of site Engineer	Sqm	119.24	8,000.00	eight thousand	953,919.98
22	Supplying and fitting Aluminium Sliding/fixed/swing windows clear/Glazed glass including necessary fittings, fixtures, handles, and sealing mechanism all complete as per the instrucion.2/3 panel sliding window, section size(87x56x1. 20mm/different size of same thicknes) Having well insulated material (of sandwitch form/insulated in outer bodywith 5 mm clear glass with fly mesh and all complete as per Instruction of site Engineer	Sqm	85.54	8,000.00	eight thousand	684,320.01
23	Supply and fixing of Casement door of aluminum section in naturally anodized color. Section size (101×45×1.50) mm and 5 mm glass as per Instruction of site Engineer.	Sqm	44.94	8,000.00	eight thousand	359,519.99
24	Supply and fixing of almunium fix partion section size 101*40*1.3 mm thickness almunium frame, with 5 mm clear glass or 9 mm Nepal board with all necessary fittings as per instruction of Site Engineer.	Sqm	327.91	7,500.00	seven thousand five hundred	2,459,325.03
25	Supplying and fixing approved quality False Ceiling (150 mm thick puf panel) including all work comple as per instruction of engineer.	Sqm	1355.14	7,000.00	seven thousand	9,485,980.10
26	Supply fixing, fitting in position GI under frame using Gypsteel branded channel and fixing 9.00-12.00mm	Sqm	163.52	1,200.00	one thousand two	196,224.01

प्रमाशी के खंडका सम्मानयर इ. बाज वहाँ ग्राक्

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		Pı	ocument Ite	n Details		
Sl. No.	Item Description	Unit	Quantity	Mate(NRs)	Rate in Words	Amount(NRs)
26	thick gypsum board or boral plaster board MF suspended ceiling with GYP. {For RCC Ceiling/plane ceiling) ,finishing joint filling with compounds taping all complete as per Instruction of Site Engineer.	Sqm	163.52	201,200.00	one thousand two hundred	196,224.01
27	Suppplying and Installing Shallow deep tubewell including all hardwrae accessories including 5 Hp water pump(crompton, servo and equivalent) and all complete as per instruction of engineer.	Job	1.0	250,000.00	two hundred fifty thousand	250,000.00
28	Supplying and laying of Porcelain Non Glazed tile on floor in perfect line and level of approved brand: kajaria, somany, nitco or equivalent in cement sand mortar C/M (1:4) of good finish including grouting joints, cost of all materials and accessories all complete as per specification, drawings and as Per Instruction of Site Engineer.	SQM	161.28	3,000.00	three thousand	483,840.00
29	Porcelain clay White glazed EWC floor mounted Comode 5D with low level glazed cistern with all complete set (Hindware, Paryware, Somany, cera or eqv.) as per Instruction of site Engineer.	set	4.0	15,000.00	fifteen thousand	60,000.00
30	Supplying and fixing White glaze Indian Pattern Porcelain clay wash basin/Oval with brackets 32mm dia. Pvc bottle trap, 32mm CP waste coupling, 15mmx450mm long c.p. pipe connector etc including basin mixure all complete as per Instruction of site Engineer .Sanitaryware:(Parryware, Hindware, or equivalent).	Set	4.0	10,000.00	ten thousand	40,000.00
31	Supplying and fixing White Glazed Porcelain (35x35x44) Urinal set with partitions and all complete as per instruction of Site engineer	Set	5.0	10,000.00	ten thousand	50,000.00
32	Supplying and fixing 15mm C.P. Urinal Auto closing Valve with built in control cock with all complete set as per instruction of site engineer.	Nos	5.0	10,000.00	ten thousand	50,000.00
33	Supplying and fixing Shower head with arm and flange with all complete set as per instruction of Site engineer.	Set	1.0	5,000.00	five thousand	5,000.00
34	Supplying and fixing Stainless steel telephonic Shower Rose with all complete set as per instruction of site engineer.	Set	1.0	5,000.00	five thousand	5,000.00
35	Supplying and Fixing Indian pattern C.P. valves with wall flange Including	Set	4.0	5,000.00	five thousand	20,000.00 रिजॉल अधिकृत

भूमार्ग प्रिकासक. खड्का सब-इन्जिनियर

प्रमान वहाड़िस्त के वर्ग भूग इ. बान वहाड़िस्त के वर्ग

		Pi	ocument ft	an Details		
Sl. No.	Item Description	Unit	Quantity	Rate(NRs)	Rate in Words	Amount(NRs)
35	c.p. nipple all complete set as per instruction of Site engineer.	Set	4.0	5,000.00	five thousand	20,000.00
36	Supplying and fixing Wall Mixture - Concealed Body with all complete set as per instruction of Site engineer.	nos	1.0	15,000.00	fifteen thousand	15,000.00
37	Supplying and fixing Stainless Steel towel rod 1.5x45cm (½"x18") size with all complete set as per instruction of site engineer.	nos	3.0	2,500.00	two thousand five hundred	7,500.00
38	Supplying and fixing 15mm dia Angle valve with wall flange. with all complete set as per instruction of site engineer.	nos	10.0	5,000.00	five thousand	50,000.00
39	Supplying and fixing 15mm C.P. Commode Spray with all complete as per instruction of site engineer.	nos	4.0	2,000.00	two thousand	8,000.00
40	Supplying and fixing Chrome plated toilet paper holder flap type(cover type) with all complete as per instruction of site engineer.	set	4.0	1,500.00	one thousand five hundred	6,000.00
41	Chrome plated soap tray(heavy) with all complete as per instruction of site engineer.	nos	4.0	500.00	five hundred	2,000.00
42	Supplying and fixing Looking Mirror Modi guard 450x600mm (18"x 24") with all complete as per instruction of site engineer.	nos	4.0	2,500.00	two thousand five hundred	10,000.00
	Supplying and fixing 1000 litre stainless steel water tank (304 grade steel) fitting with all complete as per instruction of site engineer.	nos	2.0	25,000.00	twenty five thousand	50,000.00
	Supplying and fixing Pressure sensor switch for pump auto switch off (italian or equavalent)all complete set as per instruction of site engineer.	Set	2.0	15,000.00	fifteen thousand	30,000.00
	Supplying and fixing 25 mm dia CPVC Pipe SDR 11 CTS, 28.1 kg/cm2 includes fixing/laying with necessary fittings all complete as per instruction of site engineer.	Rm	30.0	1,000.00	one thousand	30,000.00
	Supplying and fixing 25 mm dia CPVC Ball Valve, CTS Socket all complete as per instruction of site engineer.	nos	18.0	8,000.00	eight thousand	144,000.00
	Supplying and fixing Gun Metal check valve 25mm dia with all complete as per instruction of site engineer.	Nos	8.0	8,000.00	eight thousand	64,000.00
	Supplying and fixing 15mm C.P. Commode Spray Water spray (Health faucet) with 1.2 m. long flexible pipe as per instruction of site engineer.	Nos	4.0	2,000.00	two thousand	8,000.00
19	Supplying and Fixing solar water heater with 3.0 k.w. electric booster	Set	1,0	400,000.00	four hundred thousand	400 000 00 12 31 12 45 1

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		Pr	ocument the	P Defails		
SI. No.	Item Description	Unit	Quantity	Rate(NRs)	Rate in Words	Amount(NRs)
49	with thermostat all complete set. Technical spe.:-Inside boiler M.S sheet 4.0 mm thick with Expansion joint(over lap joint) in cover and bottom with 25x25x3 mm angle welded,4.0 kg/sq.cm pressure tested in both solar boiler and salar panel, 100 mm thick glass wool between cover and m s tank, 4.0mm plain single glass, panel size 900x1800 cm, cleaning of the system, testing and ready for operation,all complete set as per specification and instruction300 lit. 3 panel solar heater fixing with electric booster all complete as per instruction of site engineer.	Set	1.0	400,000.00	four hundred thousand	400,000.00
50	Supplying and fixing50mm PVC pipe of 6 kg/cm2 with all complete as per instruction of engineer	Rm	40.0	300.00	three hundred	12,000.00
51	Supplying and fixing 75mm PVC pipe of 6 kg/cm2 with all complete as per instruction of site engineer.	Rm	35.0	600.00	six hundred	21,000.00
52	Supplying and fixing 110mm PVC pipe of 6 kg/cm2 with all complete as per instruction of site engineer.	Rm	25.0	1,500.00	one thousand five hundred	37,500.00
53	Supplying and fixing 50 mm dia UPVC 90 degree bend with all complete as per instruction of site engineer.	Nos	25.0	200.00	two hundred	5,000.00
54	Supplying and fixing 50 mm dia UPVC 45 degree bend with all complete as per instruction of site engineer.	Nos	30.0	200.00	two hundred	6,000.00
55	Supplying and fixing 50 mm dia UPVC plain Y-Tee with all complete as per instruction of site engineer.	Nos	15.0	200.00	two hundred	3,000.00
56	Supplying and fixing 75 mm dia UPVC vent cowl with all complete as per instruction of site engineer.	Nos	4.0	400.00	four hundred	1,600.00
57	Supplying and fixing 75 mm dia UPVC plain. Tee with all complete as per instruction of site engineer.	Nos	20.0	400.00	four hundred	8,000.00
58	Supplying and fixing 75 mm dia UPVC door tee with all complete as per instruction of site engineer.	Nos	25.0	400.00	four hundred	10,000.00
59	Supplying and fixing 75 mm dia UPVC 90 degree bend with all complete as per instruction of site engineer.	Nos	23.0	400.00	four hundred	9,200.00
60	Supplying and fixing 75 mm dia UPVC 90 degree sibngle bent door with all complete as per instruction of site engineer.	Nos	20.0	400.00	four hundred	8,000.00
61	Supplying and fixing 75 mm dia UPVC 45 degree bend with all	Nos	25.0	400.00 খাহি	four hundred	रिजाल10,000.00 हाय अधिकृत

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प्रमुख प्रशासकाय

	Procument Lieu Details									
Sl.	Item Description	Unit	जिल्ला पुढे		Rate in Words	Amount(NRs)				
No.		Nos	25.0	400.00	four hundred	10,000.00				
61	complete as per instruction of site engineer.	NOS	23.0	400.00	Tour nunticu	10,000.00				
62	Supplying and fixing 75 mm dia UPVC Y branch with all complete site as per instruction of site engineer.	Nos	5.0	400.00	four hundred	2,000.00				
63	Supplying and fixing 75 mm dia UPVC pipe clip with all complete as per instruction of site engineer.	Nos	35.0	400.00	four hundred	14,000.00				
64	Supplying and fixing 110 mm dia UPVC vent cowl with all complete as per instruction of site engineer	Nos	2.0	400.00	four hundred	800.00				
65	Supplying and fixing 110 mm dia UPVC plain Scoket with all complete as per instruction of site engineer.	Nos	25.0	400.00	four hundred	10,000.00				
66	Supplying and fixing 110 mm dia UPVC single Door Tee with all complete as per instruction of site engineer.	Nos	20.0	400.00	four hundred	8,000.00				
67	Supplying and fixing 110 mm dia UPVC 90 degree bend with all complete as per instruction of site engineer.	Nos	25.0	600.00	six hundred	15,000.00				
68	Supplying and fixing 110 mm dia UPVC double Door bend with all complete as per instruction of site engineer.	Nos	25.0	600.00	six hundred	15,000.00				
69	Supplying and fixing 110 mm dia UPVC 45 degree bend with all complete as per instruction of site engineer.	Nos	28.0	600.00	six hundred	16,800.00				
70	Supplying and fixing 110 mm dia UPVC Y branch with all complete as per instruction of site engineer.	Nos	15.0	600.00	six hundred	9,000.00				
71	Supplying and fixing 110 mm dia UPVC pipe clip with all complete as per instruction of site engineer.	Nos	30.0	600.00	six hundred	18,000.00				
72	Supplying and fixing 11x7.5mm dia. Pvc p-trap with all complete as per instruction of site engineer.	Nos	8.0	1,000.00	one thousand	8,000.00				
73	Supplying and fixing110x110mm dia. Pvc p-trap with all complete as per instruction of site engineer.	Nos	8.0	1,000.00	one thousand	8,000.00				
74	Supplying and fixing 5 kg fire extinguiser with pressure guage type all complete set as per instruction of site engineer.	Nos	20.0	8,000.00	eight thousand	160,000.00				
75	Supplying and fixing Fire Pump 20 HP Electric Motor Pump-2 set with control pannel, pressure gauge and acessories (kiloskar or eqv.) as per instruction of site engineer.	Set	1.0	300,000.00	three hundred thousand	300,000.00				
76	Supply, Installation and commissioning of 200 KVA,	lot	1.0	1,000,000.00	one million	1,000,000.00				

प्रिम्म खड्या

YMM व्यान वहां कुर शास्त्र NEC CYRO सिमिल के वर्ग ्रिमहर्सि रिजाल 1,000,000 प्रमुख पृशासँकीय अधिकृत



		Pro	cument te	n Details		
Sl. No.	Item Description	Unit	Quantity	Rate(NRs)	Rate in Words	Amount(NRs)
76	11kV/400V outdoor type distribution transformer as per drawing and specification. (make NEEK, Transweld or eqvt) & instruction of Consultant.	lot	1.0	1,000,000.00	one million	1,000,000.00
77	HT WORKS(Double Pole HT Structure, Supply and installation of double pole HT structure for 11kV supply intake, with 2 nos of 11m high steel tubular pole with necessary steel hardware as 6 nos of 11kV pin insulators, 3 nos of 11kV disc insulators, 1 set 9kV 3-pole lightening arrestor, 1 set 11kV 3-pole Do-fuse, - 1 set 11kV 3-pole Do-fuse, necessary drop wire to connect DO fuse LA, Base frame for CT / PT/ Transformer, other necessary steel hardware, Supply & stringing of 0.05 sq.inch ACSR conductor 45 mtrs, supply and erection of 11m stp 3 nos with necessary steel hardware and pin insulator, supply and installation of 2 stay set, Rechargable cost, shutdown cost and other necessary material and all complete as per instruction of engineer	lot	1.0	500,000.00	five hundred thousand	500,000.00
78	Fully enclosed, super silent, 3 phase 400 volts (line to line) 231 volt (line to neutral) 50 cycle per second, 1500 RPM prime duty, water cooled Diesel Generator set. The engine with turbo charger, flywheel to suit flexible coupling with guard, air cleaner, blower fan, heat exchanger, fuel pump, variable speed electronic governor, fuel filter, lube oil filter and pump, primary water circulating pumps, battery charger, 24 volt lead acid automotive type batteries of compatible capacity. The alternator shall be self excited, self regulated, brushless and rated for 250 KVA at 0.8 P.F., 3 phase 400 volts, 50 cycle per second, 4 wire system and shall be provided with static excitation unit. (Engine: Perkins, Volvo or eqv subjected to prior approval.	set	1.0	2,500,000.00	two million five hundred thousand	2,500,000.00
79	Supply, delivery, installation Changeover panel(1 No 4 POLE Pad Mounting 400A Manual Changeover switch, push button lock and made of 16 SWG MS metal sheet including neutral bar and phase bar and adequate space for incomming and outgoing cable with all the chiselling of wall fixing mortar and civil works with complete internal wiring as per	set	1.0	150,000.00	one hundred fifty thousand	150,000.00

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	Procument semi betails										
SI.	Item Description	Unit	Quantity	श होवार्ड ०७Rate(NRs)	Rate in Words	Amount(NRs)					
10. 79	the drawing, specification, instruction, electricity rules all complete. (Make: MCCB/MCB-Seimens/ABB or equi.) as per Instruction of site Engineer	set	1.0	150,000.00	one hundred fifty thousand	150,000.00					
80	Supply, delivery, installation of Main Control Panel (Circuit breaker, incoming 1 nos 400 A TP MCCB, (outgoing: 1nos of 320 A TPN MCCB,5 nos 32ATPN MCCB,1 set 500A TPNE copper busbar with accessories,1 set multifunction meter with indicator lamp,), push button lock and made of 16 SWG MS metal sheet including neutral bar and phase bar and adequate space for incomming and outgoing cable with all the chiselling of wall fixing mortar and civil works with complete internal wiring as per the drawing, specification, instruction, electricity rules all complete. (Make: MCCB/MCB-Seimens/ABB or equi.)	set	1.0	150,000.00	one hundred fifty thousand	130,000.00					
8	HVAC (circuit breaker: Incoming: 1 nos 320 A TP MCCB, (Outgoings: 11 nos 40 A TP MCCB, (Outgoings: 11 nos 40 A TP MCCB, 1 nos 30 A TP MCCB, 1 nos 25 A TP MCB, 6 nos 16A SP MCB, 6 NOS 6 A SP MCB, E-Link & N-Link Büsbar), 1 Set 400A TPNE copper busbar with accesories, 1 set multifunction meter with indicator lamps with accessories push button lock and made of 16 SWG MS metal sheet including neutral bar and phase bar and adequate space for incomming and outgoing cable with all the chiselling of wall fixing mortar and civil works with complete internal wiring as per the drawing, specification, instruction, electricity rules all complete. (Make: MCCB/MCB-Seimens/ABB or	1	1.0	150,000.00	one hundred fifty thousand	150,000.00					
	supply, delivery, installation of DB-G,DB-F (circuit breaker: Incoming: Incoming: 10 nos 320 A TP MCCB, (Outgoings: 9 nos 16 A SP MCB, 6 nos 6 A SP MCB, E-Link & N-Link Busbar), 1 Set 60A TP copper busbar with accessories push button lock and made of 16 SWG MS metal sheet including neutral bar and phase bar and adequate space for incomming and outgoing cable with all the chiselling of wall fixing mortar and civil works with complete internal wiring as per the drawing,		2.0	150,000.	thousand	300,000.00					

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रामहरिए/रिजाल प्रमुख प्रशासकीय अधिकृत

	वित्र क्षेत्र									
Procument depra Catails										
SI.	Item Description	Unit	Quantity	Rate(NRs)	Rate in Words	Amount(NRs)				
82	specification, instruction, electricity rules all complete. (Make: MCCB/MCB-Seimens/ABB or equi.)	set	2.0	150,000.00	one hundred fifty thousand	300,000.00				
83	Supply, delivery, laying, connecting, testing and commissioning of the following Armoured /unarmoured PVC insulated and sheathed power cables and wires(2R3.5core, 240 sq. mm Armoured Al cable) through PVC pipeHDP pipe/Listic (whichever applicable) including cable shoes/sockets cable clamps and necessary connecting, fixing, earthing, , chiselling of existing wall / ceiling and redoing the chiselld area with cement and sand mortar as per the drawings, site conditions, specifications, electricity rules and instructions all complete. (Cable Make: Prakash/Litmus/Pioneer or equivalent) as per Instruction of site Engineer.	rm.	120.0	1,500.00	one thousand five hundred	180,000.00				
84		rm.	20.0	1,300.00	one thousand three hundred	26,000.00				
83		rm.	450.0	1,000.00	one thousand	450,000.00				

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		Pro	ocument (To Details		
T	Item Description	Unit	Quantific	নিব্রু কমর্মিe(NRs) ৩3	Rate in Words	Amount(NRs)
c A in a a C F a a s s r r e e c C V t t s s in a c C V t t s s in a c C V t t s s in a c C V t t s in a c C V t t s in a c C V t t t s in a c C V t t t t t t t t t t t t t t t t t t	Supply, delivery, laying, connecting, testing and commissioning of the following armoured /unarmoured PVC insulated and sheathed power cables and wires(1core, 6 sq.mm Flexiable cupper cable) through PVC inpeHDP pipe/Listic (whichever pplicable) including cable hoes/sockets cable clamps and increasing fixing, earthing, chiselling of existing wall / eteiling and redoing the chiselld area with cement and sand mortar as per the drawings, site conditions, specifications, electricity rules and instructions all complete. (Cable Make: Prakash/Litmus/Pioneer or equivalent) as per Instruction of site Engineer.	rm.	160.0	800.00	eight hundred	128,000.00
7	Supply, delivery, laying, connecting, testing and commissioning of the following Armoured /unarmoured PVC insulated and sheathed power cables and wires(25x5 mm Copper Strip) through PVC pipeHDP pipe/Listic (whichever applicable) including cable shoes/sockets cable clamps and necessary connecting, fixing, earthing, , chiselling of existing wall / ceiling and redoing the chiselld area with cement and sand mortar as per the drawings, site conditions, specifications, electricity rules and instructions all complete.(Cable Make: Prakash/Litmus/Pioneer or equivalent) as per Instruction of site Engineer.	rm.	40.0	800.00	eight hundred	32,000.00
88	Supply, delivery, laying, connecting, testing and commissioning of the following Armoured /unarmoured PVC insulated and sheathed power cables and wires(25x3 mm Copper Strip) through PVC pipeHDP pipe/Listic (whichever applicable) including cable shoes/sockets cable clamps and necessary connecting, fixing, earthing, , chiselling of existing wall / ceiling and redoing the chiselld area with cement and sand mortar as per the drawings, site conditions, specifications, electricity rules and instructions all complete. (Cable Make: Prakash/Litmus/Pioneer or equivalent) as per Instruction of site Engineer.	rm.	40.0	500.00	five hundred	20,000.00
89	50.50		20.0) 400.00 বহাৰ্ড আৰু		8,000.00 रिजाल अधिकृत

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		Pr	अम्मिलिस निरम्	Details		
ı.	Item Description	Unit	्रे निरंग भूगिमा मिन्न		Rate in Words	Amount(NRs)
).	following sizes as per specification.	rm	20.0	400.00	four hundred	8,000.00
0		rm	130.0	300.00	three hundred	39,000.00
1		rm	130.0	300.00	three hundred	
)2	, , , , , , , , , , , , , , , , , , ,	rm	60.0	300.00	three hundred	18,000.00
93		pt.	162.0	1,500.00	one thousand five hundred	243,000.00
9	Supplying the materials and concealed wiring through ceiling, false ceiling,tables wall of power points (13AMP/15 AMP POWER POINT WIRING) (the point wiring should include wiring between the power points) using 2 x 4 sq mm. +1x2.5 sq mm Cu wire in a HDP pipe of size 20/25 mm. dia. including cable shoes/sockets cable clamps and necessary connecting, fixing, earthing, chiselling of existing wall / ceiling and redoing the chiselled area with cement and sand mortar as per the drawings, site conditions, specifications and instruction all complete as per Instruction of site Engineer (Make: Cablesprakash/Litmus/Pioneer or NS, HDF NS)		36.0	2,000.00		72,000.00
	95 Supply, delivery, installation, testing and commissioning of 24 W LED Bulb with Holder fixtures with all thacessories including the necessary connection, fixing and insulating			2,000.0		266,000.00 समहीर रिजाल महासकीय अधिक

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	Procupied the medical services								
SI.	Item Description	Unit	Quantity	Rate(NRs)	Rate in Words	Amount(NRs)			
95	materials as per the electricity rule, drawings, site conditions, specifications and instructions all complete.(Make-Crompotom/Phillips/Wipro or equivalent as per Instruction of site Engineer.	no.	133.0	2,000.00	two thousand	266,000.00			
96		no.	2.0	1,500.00	one thousand five hundred	3,000.00			
97		no.	15.0	1,000.00	one thousand	15,000.00			
98		no.	8.0	1,000.00	one thousand	8,000.00			
99		nos	2.0	5,000.00	five thousand	10,000.00			
11	0 Supply, delivery, installation, testing	100 M	2.0	10,000.00	ten thousand	20,000.00			

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il.	Item Description	Unit	Gustoffish	Rate(NRs)	Rate in Words	Amount(NRs)	
10	with all the acessories including the necessary connection, fixing and insulating materials as per the electricity rule, drawings, site conditions, specifications and instructions all complete as per Instruction of site Engineer(Make-Crompotom/Phillips/Wipro or equivalent	nos	2.0	10,000.00	ten thousand	8,000.00	
10	Supplying and fixing of 10/13 A, 5 pin. Universal power socket including metal boxes concealed inside wall and accessories with necessary civil works as per drawings, specifications, electricity rules and instructions all complete as per Instruction of site Engineer (Make: clipsal, orange or equivalent)	no.	8.0	1,000.00			
100 2	516 A 2-i-	no.	28.0	1,000.00	one thousand	28,000.00	
111	Supply, installation, testing and	no	8.0	10,000.00		80,000.00	
1	Supply, installation, testing and commissioning of (Earth Enhancing Compund 25 kg bags) Free earthing system by means of 2 meter long, 48 mm outer dia intergrated with 100x32x6 mm terminals filled with earth enhancing coumpound in required quantity all complete with 300 x300 x450 mm masonry enclosure with pre cast cover as per Instruction of site Engineer. All earthing arrangements must comply with IS–3043.	bags	16.0	5,000.00		80,000.00	
	Supply, delivery, installation, testing and commissioning of 50 watt LED street light with dusk to dawn Die ca Aluminium housing IP65 with necessary installation arm and nut bolt, connection clamp all complete	st	9.0	10,000.0		90,000.00	

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0.	Item Description	Unit	Oushing all	Mate(NRs)	Rate in Words	Amount(NRs)	
0	per specification, drawings and instruction of the Consultant.	set	9.0	10,000.00	ten thousand	90,000.00	
0 5	Supply, delivery, installation, testing and commissioning of 20 watt LEDgate light with dusk to dawn Die cast Aluminium housing IP65 with necessary installation arm and nut bolt, connection clamp all complete as per specification, drawings and instruction of the Consultant.	set	4.0	10,000.00	ten thousand	40,000.00	
7	Street light points wiring from pole junction box to street fixtures with 2x 2.5 +1x 1.5 sq mm PVC insulated cu wire through 20mm dia. HDPE conduit including MCB control in junction as per specification, drawings and instruction of the Consultant.	point	13.0	1,500.00	one thousand five hundred	19,500.00	
10	3C X 2.5 mm2 copper armoured cable lying through underground 25mm dia. HDPE conduit from street light to street light looping under ground trench as per specification, drawings and instruction of the Consultant	rm	190.0	1,000.00	one thousand	190,000.00	
10 9	Supply, delivery, erection and Installation of 9 Meter hot dip galvanized Steel Tubular Pole (Bottom 140mm dia,5000mm height, 115mm dia 2000mm height,89mm dia 2000 height with over lapping of 300mm and 230mm respectively) with all related works such as digging and foundation works etc. all complete as per specification, drawings and instruction of the Consultant.	set	9.0	30,000.00	thirty thousand	270,000.00	
111	Total	set	5.0	750,000.00	seven hundred fifty thousand	3,750,000.00	
1 1	Supply, Delivery, Installation, Testing	set	5.0	850,000.00	thousand	4,250,000.00	
1 2	1 1 1 1 1 1 1 1 1 1 1 1 1	Rmt	105.0	3,500.00	three thousand five hundred	367,500.00	

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		Pire	ulifent Lien	Details		
**	Item Description		विवार क्रिक	Rate(NRs)	Rate in Words	Amount(NRs)
tl b a l	gas pipe) Connection with 19 mm hick Insulation at gas pipe only between Evaporator and Condenser along with drain pipe as per instruction of site Engineer. Refrigerant Pipe size shall be as per Manufacturer)	Rmt	105.0	3,500.00	three thousand five hundred	367,500.00 55,000.00
1 5	Supply and Installation of cPVC drain pipe along with 9mm thick insulation with U-trap at end as per Instruction of site Engineer.	Rmt	55.0	1,000.00	one thousand	500,000.00
1 4	Supply, Delivery, Installation, Testing of Co2 Based Heat recovery Ventilation units (HRVs) for Long storage room, Capacity: 100CFM as per Instruction of site Engineer.	set	2.0	250,000.00	two hundred fifty thousand	
	Supply, Delivery, Installation, Testing and Commissioning Cold Room Hooter / Buzzer, Temperature: -40 - +18 Celsius as per Instruction of site Engineer.	sets	2.0	150,000.00	one hundred fifty thousand	300,000.00
11	Supply, Delivery, Installation of Safety System, Installation of Fire Extinguisher 4 Kg set, all complete and as per Engineer instruction	nos	4.0	25,000.00	twenty five thousand	60,000.00
11	Supply, Delivery, Installation, Testing and Commissioning of Refrigerant R404a/R134a for complete units each Cylinder with 11.5kg net weight or as required by condensers provided as per Instruction of site Engineer.	Nos	2.0	30,000.00	thirty thousand	240,000.00
11 8	Supply, Delivery, Installation of 5Ft Low Noise level type Centrifugal Air curtain over the main Cold room entrance door including control system for operation only door open time as per Instruction of site	Nos.	6.0	40,000.00	forty thousand	*
111	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		. 2.0	350,000.0	thousand	700,000.00 450,000.00
	2 Supply, Delivery, Installation, Testin and Commissioning 2TR wall mount unit for precooling area as per Instruction of site Engineer.	g set	3.0	150,000.0	thousand	1,050,000.00
1	Supply, Delivery, Installation, Testing and Commissioning 150CFM Dehumidifier for onions as per Instruction of site Engineer.	ng set	3.0		thousand	1,030,000.00
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रामहीर रिजाल प्रमुख प्रशासकीय अधिकृत

Thakur Baba Municipality Office of the Muncipal Executive Sainawar Bardiya

Bill of Quantity

Project Name: Hiring Civil Engineering Consultancy Service For Steel Parts in Construction of Cold Since (MG/W/NCB/TBNP-12/2077-078)

Location:- Thakurbaba Municipality, Bardiya

Types Of Work:- Steel Structure Installation and Assembly Works in Building Construction F/Y 2080/81 Bajet Sub-head Rate(Rs) SN. **Descripation of Works** Unit Quantity Rate in figure Amount (NRs) Remarks Rate in Words Hiring Civil Engineering Consultancy Service For Steel Parts in Construction of Cold Store **JOB** 1 (MG/W/NCB/TBNP-12/2077-078)

द, ज्ञान वहादुर थारू

इ. ज्ञान वहादुर यार NFC १८५२९ 'सिमिल' क वर्ग रामहरि रिजाल

Total Without Vat

Vat . Grand Total

गम्ख प्रशासकीय अधिकृत