

प्रपत्र-5

परियोजना का नाम :-126कि० मी० ऋषिकेश-कर्णप्रयाग नई ब्राड गेज रेल मार्ग को विद्युत आपूर्ति हेतु
33 के० वी० विद्युत लाइन का गुल्लर सबस्टेशन से शिवपुरी टनल T2 (प्रस्तावित वन भूमि का क्षेत्रफल
1.68 हे०) तक निर्माण कार्य

परियोजना की वित्तीय/प्रशासनिक स्वीकृति का प्रमाण पत्र



रेल विकास निगम लिमिटेड
Rail Vikas Nigam Limited
(A Government of India Enterprise)

To,
EXECUTIVE ENGINEER, ELECTRICITY DIST
O/O THE EXECUTIVE ENGG. DIST.D
000000

Date: 11.03.2021

Dear Madam/Sir,

Sub: ADV. PAYMENT OF ESTIMATED AMOUNT FOR RELEASING NEW 33KV
ELECT.CONN. OF 3000KVA AT VILL. SHIVPURI, TEHRI GWL.

Attached please find a cheque bearing no.603451 Dt.11.03.2021 of Rs.25,933,701.00 (Rupees Two Crore Fifty Nine Lakh Thirty Three Thousand Seven Hundred One) on account of payment towards Doc No:0006086929.

Kindly acknowledge the receipt.

Thanking you,



Valid for three months from the date of issue
11032021
D D M M Y Y Y Y

Pay Executive Engineer / EDD / UPCL / Tehri Garhwal को या उनके आदेश पर Or Order

रुपये Rupees Two Crore Fifty Nine Lakh Thirty Three Thousand Seven Hundred

One only ——— x ——— x ——— अदा करें ₹ 25,933,701/-

A/c. No. 919020084954180

CABCA 156491

हो रेल विकास निगम लि. / For Rail Vikas Nigam Ltd.

हो रेल विकास निगम लि. / For Rail Vikas Nigam Ltd.

A/c Payee Only

प्राधिकृत हस्ताक्षरी / Authorised Signatory

Payable at par at all branches of Axis Bank Ltd in India.

प्राधिकृत हस्ताक्षरी / Authorised Signatory

Please sign above

603451 2492111021 156491 29

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UTTARAKHAND POWER CORPORATION LTD

(उत्तराखण्ड पावर कारपोरेशन लि०)

R.No-2612
07/01/20

OFFICE OF THE EXECUTIVE ENGINEER
(Govt of Uttarakhand Undertaking)
ELECTRICITY DISTRIBUTION DIVISION TEHRİ
TEHRİ GARHWAL
TELE. : 01376-233117
FAX NO : 01376-233117
E-Mail :- eedlch@yahoo.com



कार्यालय अधिशासी अभियन्ता
(उत्तराखण्ड सरकार का उपकरण)
विद्युत वितरण खण्ड टिहरी
टिहरी गढ़वाल
दूरभाष : 01376-233117
फैक्स नं० 01376-233117
E-Mail :- eedlch@yahoo.com

पत्रांक:- 1393 / वि०वि०ख०टि० / ई०-२

दिनांक :- 2/7/20

सेवा में,

मुख्य अभियोजन प्रवक्ता
रेल विकास निगम लि०,
त्रिभुवनेश, देहरादून

विषय :- स्वीकृत प्राक्कलन की धनराशि जमा करने के सम्बन्ध में।

उपरोक्त विषयक आपके द्वारा निम्न कार्य हेतु प्राक्कलन स्वीकृत किया गया है।

क्र०स०	कार्य का नाम	धनराशि रु० (लाखों में)
1	मुनिकीरेती क्षेत्र के अन्तर्गत गुल्लर से शिवपुरी तक रेल विकास निगम को 3 एम०वी० विद्युत संयोजन निर्गत करने हेतु 33/11 के०वी० उपसंस्थान गुल्लर में 33 के०वी० Bay एवं 10.000 कि०मी० 33 के०वी० लाईन का निर्माण कार्य।	2,59,33,701.00

अतः आप उक्त कार्य को करने हेतु नकद एवं बैंक ड्राफ्ट के माध्यम से अतिशीघ्र निम्न धनराशि का जमा करने का कष्ट करें। स्वीकृत प्राक्कलन की धनराशि रु० 2,59,33,701.00 (रु० दो करोड़ उनसठ लाख तेतीस हजार सात सौ एक) मात्र

इसके अतिरिक्त आप नकद अथवा अलग बैंक, ड्राफ्ट के माध्यम से रु०.....X..... जमानत की धनराशि भी जमा करने का कष्ट करें। (जमानत की धनराशि का अलग बैंक ड्राफ्ट बनायें।)

- नये विद्युत संयोजन हेतु प्रारम्भिक प्रतिभूति राशि व जमानत धनराशि जमा करने हेतु सूचना लाईन बनने के उपरान्त दी जायेगी।
- 33 के०वी० लाईन निर्माण हेतु वन विभाग का अनापत्ति प्रमाण पत्र एवं अन्य स्थानीय समस्याओं का समाधान भी आपके द्वारा किया जाना है।
- 220 के०वी० उपसंस्थान बीरमद से शिवपुरी तक 33 के०वी० लाईन का प्राक्कलन गठित कर बाद में प्रेषित किया जायेगा।
- 220 के०वी० बीरमद में उक्त विद्युत भार को निर्गत करने हेतु आवश्यक बे के निर्माण एवं ट्रांसफार्मर की क्षमता वृद्धि हेतु आवश्यक धनराशि का प्राक्कलन पिटकुल द्वारा मांग करने पर जमा करना होगा।

यह आकलन इसी चालू वित्तीय वर्ष हेतु मान्य है, अतः अति शीघ्र धनराशि जमा करने का कष्ट करे तभी कार्य प्रारम्भ किया जायेगा।

Salcedo
अधिशासी अभियन्ता

पत्रांक / वि०वि०ख०टि० / ई०-२

तददिनांक :-

उपरोक्त की प्रतिलिपि निम्नलिखित को इस आशय के साथ प्रेषित की आप भी आवेदक से सम्पर्क कर धनराशि जमा करवायें, व धनराशि जमा होने के बाद सम्बन्धित कार्य को सम्पादित करने की कार्यवाही करें।

- राहायक अभियन्ता (राजरव), विद्युत वितरण खण्ड, नई टिहरी, टि०ग०।
- उपखण्ड अधिकारी, उत्तराखण्ड पावर कारपोरेशन लि०, विद्युत वितरण उपखण्ड, मुनिकीरेती, टिहरी गढ़वाल।

अधिशासी अभियन्ता

Office of the Executive Engineer

ELECTRICITY DISTRIBUTION DIVISION, U.P.C.L.

Uttarakhand Power Corporation Ltd.

NEW TEHRI (TEHRI GARHWAL)

No. 1419

/EDD/E2

Dated 04/07/2020

OFFICE ORDER

Sanction is hereby accorded for Rs. 2,20,43,487=00

(Rs. Two Crore twenty lakh forty three thousand four hundred eighty seven only)

Estimate for Construction of 10.4 km 33 kV line from 33/11 kV sub station Gullar to Shivpur in Munikireti Tehri Garhwal by Raip District Tehri (Garhwal) under the head P. Deposit

The expenditure shall be met out budget allotment for the year 2020-21

The need of the account for booking the expenditure is as under:

Chargeable to Boards

Head of A/c.

Chargeable to Consumer

/

B.T.

2,20,43,487=00

C.T.

D.D.

E.I.F. Total

G.Total

2,20,43,487=00

Rs. Two Crore twenty lakh forty three thousand four hundred eighty seven only

The sanction has been registered in the estimate register at Sl. No. 9/2020-21

No. 1419 DAW
/EDDT/E-2

of Date

Rakesh
Executive Engineer

Copy forwarded to the following for information and necessary action-

1. Sub-Divisional Elect. Distn. S/Division *Munikireti Tehri Garhwal* along with a copy of sanctioned estimate.
2. Divisional Accountant (Works).
3. Assistant engineer (Store) Elcty. Store 181 Mani Ram Road, Rishikesh along with a copy of sanctioned estimate.

Encls. As Above

checked & Verified

Dy. Mgr. / Elect.

Rakesh
(Executive Engineer)

REPORT

Est - 1

Name of work: Tentative Cost of proposed 33KV Line from 33/11KV S/S Gullar to Shivpuri (Approx.-10 Km.) for RVNL under Sub Division Muni Ki Reti

Name of Circle :- EDC Tehri

HEAD OF ACCOUNT :- DEP

S NO.	Description	ANNEXURE NO	AMOUNT (RS)
1	Material Cost for Construction of 33KV Line	ANNEXURE - A	11148579.95
2	Labour Cost for Construction of 33KV Line	ANNEXURE - B	4594175.50
	De centralized material cost		1440085.21
	GST on labour charge & De Centralized Mat 18%		1086466.93
	TOTAL RS.		18550007.58
	3% Contingency Charges		556770.23
	TOTAL RS.		19115777.81
	I&P Supervision @ 15%		2867366.67
	TOTAL RS.		21983144.48
	1% Cess		60342.61
	TOTAL RS.		22043487.00

Cost of Estimate Rs. 22043487.00

Scope and Design :- This estimate amounting has been Framed to cover the Tentative Cost of proposed for Construction of 33KV line along the National Highway-58 from 33/11KV S/S Gullar to Shivpuri (Approx.-10 Km.) under sub Division Muni Ki Reti on request of RVNL. RVNL dept. will be must provide land for erecting of pole as well as Arial clearance including permission from concern Dept. For lopping/chopping of tree branches which will be come in the root of 33KV line root, will be provide by RVNL. Any ispute at site regarding land & lopping/chopping of tree branches will be resolve by RVNL Dept.

Rate and Scheduled :- The rate applied in this estimate are the scheduled rate for current financial year 2020-21 in respect of stock and current market rates in respect of labour.

NOTE:- The work is to be carried out in direct supervisions of SDO, EDSM Muni Ki Reti. Work vary according to Public interference. For erection of pole, Place will be provide by the RVNL (Railway Dept.)

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Sanctioned for Rs. 2,20,43,487/-
Rupees Two Crore Twenty Lakh
for by Shree Shyam Lal
The sanctioned has been registered
at Sl. No. in the Estimate
Register.
E.D.D., Tehri

SDO
Muni Ki Reti

Checked & verified
3P
Dy. Mgr./Elect.

REPORT

**Name of work: Tentative Cost of proposed 33KV Line from 33/11KV S/S Gullar to Shivpuri (Approx.-8.5 Km.) for RVNL
under Sub Division Muni Ki Reti**

Name of Circle :- EDC Tehri

HESD OF ACCOUNT :- DEP

S NO.	Discription	ANNEXURE NO	AMOUNT (Rs)
1	Material Cost for Construction of 33KV Line	ANNEXURE- A	11438579.95
2	Labour Cost for Construction of 33KV Line	ANNEXURE- B	4594175.50
	De centralized material cost		1440085.21
	GST on labour charge & De Centralized Mat. 18%		1086166.93
	TOTAL Rs.		18559007.58
	3 % Contingency Charges		556770.23
	TOTAL Rs.		19115777.81
	T&P, Supervision @ 15%		2867366.67
	TOTAL Rs.		21983144.48
	1% Cess		60342.61
	TOTAL Rs.		22043487.00

Cost of Estimate Rs. 22043487.00

Scope and Design :- This estimate amounting has been Framed to cover the Tentative Cost of proposed for Construction of 33KV Line along the National Highway-58 from 33/11KV S/s Gullar to Shivpuri (Approx.-8.5 Km.) under sub Division Muni Ki Reti on Request of RVNL. RVNL dept. will be must provide land for erecting of pole as well as Arial clearance including permission from concern Dept. For lopping/chopping of tree branches which will be come in the root of 33KV line root, will be provide by RVNL. Any dispute at site regarding land & lopping/chopping of tree branches will be resolve by RVNL Dept.

Rate and Scheduled :- The rate applied in this estimate are the scheduled rate for current financial year 2020-21 in respect of stock and current market rates in respect of labour.

NOTE: The work is to be carried out in direct supervisions of SDO , EDSD Muni Ki Reti.

Work vary according to Public interference. For errection of pole, Place will be provide by the RVNL (Railway Dept.).

Tapovan

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Tapovan

checked & verified

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Dy. Mgr. / Elect.

SDO

SDO
Muni Ki Reti

ESTIMATE

Name of work: Tentative Cost of purposed 33KV Line from 33/11KV S/S Gullar to Shivpuri (Approx.-8.5 Km.) for RVNI, under Sub Division Muni Ki Reti

Tentative Material Cost of purposed Construction of 33KV Line along NH-58 from 33/11KV S/S Gullar to Shivpuri (Approx.-8.5 Km.) under sub Division Muni Ki Reti

Sr.N	Name of material/Work	Unit	Qty	Rate	Amount in (Rs)
A.	Centralize Material				
	For 33KV Line Material				
1	S.T.P.- SP-55 (Galvanized Iron)	No	361	15912.00	5744232.00
2	S.T.P.- SP-72 (Galvanized Iron)	No	6	24959.00	149754.00
3	M.S. Channel 125x65mm	Kg	9483	56.691	537600.75
4	M.S. Channel 100x50mm	Kg	7332	57.320	420270.24
5	M.S. Angle 75x75x6mm	kg	3150	57.635	181550.25
6	33 KV 10KN polymer Pin Insulator with pin	No	885	593.00	524805.00
7	33 KV polymer disc insulator (B&S) type	No	426	282.00	120132.00
8	Disc Fitting B&S D/R 70KN	No	426	483.00	205758.00
9	Stay set 20x1800sqmm	No	310	667.00	206770.00
10	Stay wire 7/8SWG	kg	2480	79.00	195920.00
11	Earthing rod 20x2500mmsq	No	98	396.00	38808.00
12	ACSR Dog Conductor	Mtr	30900	77.904	2407233.60
13	Earth Wire 7/16SWG	Kg	910	86.000	78259.99
14	G.I.Wire 6 SWG	kg	6486	76.00	492936.12
15	G.I.Wire 8 SWG	kg	1950	69.00	134550.00
Total A					11438579.95
B	De- Centralize Material				
1	P.P. & Clamp with nut & bolt for SP-55	No	993	450.00	446850
2	P.P. & Clamp with nut & bolt for SP-72	No	14	550.00	7700
3	Bracing clamp top with nut & bolt ,SP-55	No	128	350.00	44800
4	Bracing clamp bottom with nut & bolt ,SP-55	No	128	400.00	51200
5	Bracing clamp top with nut & bolt ,SP-72	No	4	350.00	1400
6	Bracing clamp bottom with nut & bolt ,SP-72	No	4	450.00	1800
7	Earth clamp with nut & bolt SP-55	No	291	350.00	101850
8	Earth clamp with nut & bolt SP-72	No	4	400.00	1600
9	Stay clamp with nut & bolt SP-55	No	310	350.00	108500
10	Stay clamp with nut & bolt SP-72	No	8	450.00	3600
11	E-Clamp with N&B	No	891	380.00	338580
12	F-Clamp with N&B	No	6	380.00	2280
13	PG Clamp for Dog conductor	No.	408	150.00	61200
15	Barded wire	kg.	550.5	110.00	60555
16	GI Eye Bolt 190x16mm with N&B	No.	2288	90.00	205920
17	Nut & bolt off size	kg.	25	90.00	2250
Total B					1440085.206

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Tapovan

Checked & verified

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By. Mgr. / Elect.

S.D.O.

Muni ki Reti

ESTIMATE

Name of work: Tentative Cost of purposed 33KV Line from 33/11KV S/S Gullar to Shivpuri (Approx.-8.5 Km.) for RVNL under Sub Division Muni Ki Reti

Tentative Laboure Cost of purposed 33KV line from 33/11KV S/S Gullar to Shivpuri For RVNL Feeder along the NH-58 (Approx.-8.5 Km.) under Sub Division Muni Ki Reti

C. Labour Charges					
1	Safe carriage of following poles from Rishikesh/SIDCUL store to work site with loading and unloading at both ends with head load cartage (dist.-above 0-50km)				
	1. SP-55 Pole	No.	361	900.00	324900.00
	2. SP-72 Pole	No.	6	1200.00	7200.00
	3. Small line Material	Qtl	493.3	390.00	192387.00
2	Head load of following poles from road site to work site with loading and unloading at both ends with head load cartage (dist.-above 0-1km)				
	1. SP-55 Pole	No.	361	700.00	252700.00
	2. SP-72 Pole	No.	6	800.00	4800.00
	3. Small line Material	Qtl	493.3	350.00	172655.00
3	Fabrication of MS channel / Angle iron after cutting in req. size with drilling of holes upto good finish	Kg.	19965	20.00	399300.00
4	Excavation of earth for pole pit of size .9x.6x1/6 of full length of pole for erection of pole in all type of soil including proper dressing of sides and ramming of bottom including getting out of the excavated soil and disposal of surplus excavated soil as directed complete work				
	1. SP-55 Pole (Single Pole) (Cum 0.97)	No.	225	0.97	250.00
	2. SP-72 Pole (Single Pole) (Cum 0.97)	No.	2	0.97	250.00
	3. SP-55 Pole (Double Pole) (Cum 1.94)	No.	60	1.94	250.00
	4. SP-72 Pole (Double Pole) (Cum 1.94)	No.	2	1.94	250.00
	5. SP-55 Pole (Four Pole) (Cum 3.88)	No.	4	3.88	250.00
5	Erection of following type of pole in proper level and alignment along with fixing of all accessories, top channel & clamp including CC Grouting of pole and making complete fitting of all acc. Complete				
	1. SP-55 Pole (Single Pole)	No.	225	1200.00	270000.00
	2. SP-72 Pole (Single Pole)	No.	2	1650.00	3300.00
	3. SP-55 Pole (Double Pole)	No.	60	2400.00	144000.00
	4. SP-72 Pole (Double Pole)	No.	2	3300.00	6600.00
	5. SP-55 Pole (Four Pole)	No.	4	4500.00	18000.00
6	Grouting of pole in size 0.45x0.45x1/9 of support in cc ratio 1:4:8 block including cost of cement sand and stone blast back filling of soil and boulder in pit and ramming and proper alignment leveling				
	1. SP-55 Pole (Single Pole)	No.	225	0.22	4800.00
	2. SP-72 Pole (Single Pole)	No.	2	0.22	4800.00
	3. SP-55 Pole (Double Pole)	No.	60	0.44	4800.00
	4. SP-72 Pole (Double Pole)	No.	2	0.44	4800.00
	5. SP-55 Pole (Four Pole)	No.	4	0.88	4800.00
7	Excavation of earth for Stay pit of size .6x.6x1.2 in all type of soil including proper dressing of sides and ramming of bottom including getting out of the excavated soil and disposal of surplus excavated soil as directed complete work	No.	310	0.42	250.00
8	Fixing, Tightening and nozzalling of stay with pole and stay rod on req. tension for 33KV line	No.	310	500.00	155000.00

Checked & verified

Dy. Mgr. / Elect.

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9	Grouting of Stay in size 0.6x0.6x.3 of support in ce ratio 1:4:8 block including cost of cement sand and stone blast back filling of soil and boulder in pit and ramming and proper alignment leveling	No.	310	0.108	4800.00	160704.0
10	Fixing of triangular type bracket in 33KV line	No.	6		750.00	4500.0
11	Laying, stringing & sagging of ACSR Dog conductor in 33KV Line 3-phase,4-wire	Km.	10		26000.00	260000.0
12	Earthing of pole through MS earth rod 20x2500 mm including excavation of pit and digging to rod to proper depth and connecting with 6SWG through N&B	No.	98		600.00	58800.0
13	Guarding of 33kv line complete with laying of 4 No. GI wire of 6SWG and cross latching through 8 SWG wire including fixing all gaurding channel and other accessories with support of GI Eye bolt hook (each span speratly gaurding)	Span	284		3200.00	908800.0
14	Muffling of ST pole with CC1:3:6 block and 45Cm height from ground level including cost of cement ballast sand etc	No.	367		485.00	177995.0
15	Looping and chopping of tree branches near by the 33KV Line and dispossal of branches at suitable places	km.	10		1100.00	11000.0
16	Painting of pole with angle & channel and all steel part by one coat of red oxide primer & double coat of Al silver paint and two strip of fluorescent altemate red and white paint 30cm wide upto 1.5mtr from ground level					
	1. SP-55 Pole (Single Pole)	No.	361		1250.00	451250.0
	2. SP-72 Pole (Single Pole)	No.	6		1250.00	7500.0
17	Fixing of Barbed Wire on pole	No.	361		85.00	30685.0
18	Providing and fixing of Danger sign board and number plate by providing suitable clamp with N&B on pole (including cost of all material)	No.	120		525.00	63000.0
Total						4594175.5

J.E. *Rob*
Tapovan

checked & verified
3/Jan
Dy. Mgr. / Elect.

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S.D.O.
Muni ki Reti

1917



(For 33KV Line from 33/11KV S/S Gullab to Shyampur)

Name of Division :- FDD Tehri

Name of Circle :- FDC (R) Tehri

NAMF OF WORK :- Tantative Estimated Cost for Construction of 1 no. 33KV ay at 33/11KV S/S Gullar
for RYNL (For 33KV Line from 33/11KV S/S Gullar to Shiyapuri) under section- Lapovan, sub division- 1 DSD
Muni ki reti, Ichri garhwal

HEFD OF ACCOUNT :- DEP

Sl. NO.	NAME OF WORK	ANNEXURE NO	AMOUNT (RS)
1	COST OF MATERIAL FOR 33KV BAY	ANNEXURE- A	1769651.73
2	LABOUR CHARGE FOR CONSTRUCTION OF 33KV BAY	ANNEXURE- A	702160.15
3	De centralized Material	ANNEXURE- A	569150.00
		GST on labour charge 18%	228889.83
		TOTAL Rs.	3270154.51
		3% Contingency Charges	98104.64
		TOTAL Rs.	3368259.15
		I&P,Supervision 15%	505238.87
		TOTAL Rs.	3873498.02
		CFSS 1%	12716.10
		TOTAL Rs.	3886214.12
	Electrical inspector Fee		4000.00
		G. TOTAL Rs.	3890214.12

Cost of Estimate :- Rs. 3890214

Scope and Design :- This estimate has been Framed to cover the cost of Construction of 33KV Bay at 33/11KV S/s Gullar For RVNL (For 33KV Line from 33/11KV S/s Gullar to Shivpuri).

Rate and Scheduled :- The rate applied in this estimate are the scheduled rate for current financial year 2020-21 in respect of stock or current prevailing market rates.

NOTE: The work is to be carried out in direct supervisions of SDO, EDSD Muni Ki Reti.

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Sanctioned for

[Handwritten:] Rupees 7000/-
The above has been registered
in the estimate

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Checked & verified
Ki Reti.
3/Jan
By. Mgr./Elc

REOPRT

Name of Work:- Estimated Cost for Construction of 1No. 33 KV Bay at 33/11KV S/s Gullar for RVNL

(For 33KV Line from 33/11KV S/s Gullar to Shivpuri)

Name of Division :- EDD Tehri

Name of Circle :- EDC (R) Tehri

NAME OF WORK :- Tantative Estimated Cost for Construction of 1 no. 33KV ay at 33/11KV S/s Gullar for RVNL (For 33KV Line from 33/11KV S/s Gullar to Shivpuri) under section-Tapovan, sub division- EDSD Muni ki reti,Tehri garhwal

HESD OF ACCOUNT :- DEP

SL. NO.	NAME OF WORK	ANNEXURE NO	AMOUNT (Rs)
1	COST OF MATERIAL FOR 33KV BAY	ANNEXURE- A	1769654.53
2	LABOUR CHARGE FOR CONSTRUCTION OF 33KV BAY	ANNEXURE- A	702460.15
3	De centralized Material	ANNEXURE- A	569150.00
		GST on laboure charge 18%	228889.83
		TOTAL Rs.	3270154.51
		3% Contengency Charges	98104.64
		TOTAL Rs.	3368259.15
		T&P,Supervision 15%	505238.87
		TOTAL Rs.	3873498.02
		CESS 1%	12716.10
		TOTAL Rs.	3886214.12
	Electrical inspector Fee		4000.00
		G. TOTAL Rs.	3890214.12

Cost of Estimate :- Rs. 3890214

Scope and Design :- This estimate has been Framed to cover the cost of Construction of 33KV Bay at 33/11KV S/s Gullar For RVNL (For 33KV Line from 33/11KV S/s Gullar to Shivpuri).

checked & verified
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Dy. Mgr. /Elect.

Rate and Scheduled :- The rate applied in this estimate are the scheduled rate for current financial year 2020-21 in respect of stock or current prevailing market rates.

NOTE: The work is to be carried out in direct supervisions of SDO , EDSD Muni Ki Reti.

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Office of the Executive Engineer

ELECTRICITY DISTRIBUTION DIVISION, U.P.C.L.,

Uttarakhand Power Corporation Ltd.

NEW TEHRI (TEHRI GARHWAL)

No. 1418

/EDD/E2

Dated 04/07/2020

OFFICE ORDER

Sanction is hereby accorded for Rs. 38,90,214 = 00

(Rs. Thirty eight lakh ninety thousand two hundred fourteen only)

Estimate for Construction of 1 No. 33 kV Bay 33/11 kV Sub station
Gullar to Shivpuri in Muni Kireti Tehri Garhwal by Rail Vikas
Nigam Ltd under the head P. Deposite
District Tehri (Garhwal)

The expenditure shall be met out budget allotment for the year 2020-21

The need of the account for booking the expenditure is as under:

Chargeable to Boards

Head of A/c.

Chargeable to Consumer

/

B.T.

38,90,214 = 00

C.T.

/

D.D.

/

E.I.F. Total

/

G.Total

38,90,214 = 00

Rs. Thirty eight lakh ninety thousand two hundred fourteen only

The sanction has been registered in the estimate register at Sl. No. 8 / 2020-21

No. 1418 DAW
/EDDT/E-2

of Date

[Signature]
Executive Engineer

Copy forwarded to the following for information and necessary action-

1. Sub-Divisional Elect. Distn. S/Division Muni Kireti Tehri Garhwal
along with a copy of sanctioned estimate. Checked & verified

2. Divisional Accountant (Works).

3. Assistant engineer (Store) Elcty. Store 181 Mani Ram Road, Rishikesh along with
a copy of sanctioned estimate. *[Signature]* Dy. Mg. / Elect

Encls. As Above

[Signature]
(Executive Engineer)

Name of Work:- Estimated Cost for Construction of No. 33 KV Bay at 33/11KV Substation for RVM

Sl. No.	Description	Unit	Qty	Rate				Amount				Total Amount
				Centralised Material	Decentralised material	Fraction / Labour	Other	Centralised Material	Decentralised material	Fraction / Labour	Other	
1	Cost of Earthing & 1x1.5m Earthing of Sub-station (Schedule-1)	No.	1	68077.24	45150.00	125693.35	0.00	68077.24	45150.00	125693.35	0.00	238920.59
2	Cost of wire mesh fencing of sub-station switchyard (Schedule-2)	No.	1	11511.29	196000.00	14220.00	0.00	11511.29	196000.00	14220.00	0.00	221731.29
3	Cost of Terminal Gantry with 1A (Schedule-3)	No.	1	98783.52	3375.00	72178.40	0.00	98783.52	3375.00	72178.40	0.00	171336.92
4	Cost of Line Isolator & its structure (Schedule-4)	No.	1	64316.27	3425.00	19334.00	0.00	64316.27	3425.00	19334.00	0.00	87075.27
5	Cost of 33 KV VCB-1250 AMP, Circuit Breaker (Schedule-8)	No.	1	251685.06	0.00	29700.00	0.00	251685.06	0.00	29700.00	0.00	281385.06
6	Cost of Current Transformer & its structure 400/200/1-1-1A (Schedule-9)	No.	1	80989.95	2725.00	9907.20	0.00	80989.95	2725.00	9907.20	0.00	93622.15
7	Cost of 33 KV Lightning Arrestor & its structure (Schedule-5)	No.	0	43185.95	1750.00	10407.20	0.00	0.00	0.00	0.00	0.00	0.00
8	Cost of Bus Isolator & its structure (Schedule-7)	No.	1	55507.27	3425.00	16870.00	0.00	55507.27	3425.00	16870.00	0.00	75802.27
9	COST OF ONE SET OF 33 KV CABLE STAND SET AT 33/11 KV SUB-STATION (Schedule-6)	No.	1	43185.945	1750	10407.2	0	43185.945	1750	10407.2	0	55543.145
10	Cost of 33 KV Control & Relay Panels (Schedule-11)	No.	1	171800.00	0.00	19000.00	0.00	171800.00	0.00	19000.00	0.00	190800.00
11	Cost of 33 KV bus bar & connectors (Schedule-10)	No.	1	8708.95	18300.00	5000.00	0.00	8708.95	18300.00	5000.00	0.00	32008.95
12	Cost of LT power, control cable & its laying (Schedule-12/13)	No.	1	54100.00	30000.00	19200.00	0.00	54100.00	30000.00	19200.00	0.00	103300.00
13	Cost of 33 KV Cable Laying (Schedule-13)	No.	1	741989.10	72000.00	167000.00	0.00	741989.10	72000.00	167000.00	0.00	980089.10
14	Cost of Fire safety equipments of sub-station (Schedule-14)	No.	1	0.00	92000.00	200.00	0.00	0.00	92000.00	200.00	0.00	92200.00
15	Cost of miscellaneous items required for sub-station (Schedule-15)	No.	1	119000.00	101000.00	13750.00	0.00	119000.00	101000.00	13750.00	0.00	233750.00
16	Insured Carriage of stock materials (Other than Power Transformers) from Electricity Store Center to Substation site including safe loading, Unloading at Stacking of all material (Rates to be given for the distance of 50 Kms)	LS	1	0.00	0.00	0.00	150000.00	0.00	0.00	0.00	150000.00	150000.00
17	Fencing of Site	LS	1	0.00	0.00	0.00	30000.00	0.00	0.00	0.00	30000.00	30000.00
Grand Total (Rs.)				1769654.53	569150.00	532460.15	180000.00	1769654.53	569150.00	532460.15	180000.00	3041264.68

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 31/10/2020
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Name of Work:- Estimated Cost for Construction of 1 No. 33 KV Bay at 33/11KV S/s Gullar for RVNL

Schedule No.-1

COST OF EARTH MAT & DELTA EARTHING OF 33/11 KV SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
Centralized Material					
1	MS Round 32mm dia. 6.21 Kg/mtr for earth mat, electrodes for earth mat & delta earthing	MT	1.20	54705.00	65646.00
2	M.S. Angle 65x65x6mm for cleat at cross joint	Kg.	40	60.781	2431.24
Total (A)					68077.24
De-Centralized Material					
1	Gravel pitching of size 1/2" to 3/4" (20x30x0.1)	Cum	8.00	3000.00	24000.00
2	G.I. Strip 65x6 mm.	Kg.	100.00	90.00	9000.00
3	G.I. Strip 35x6 mm.	Kg.	135.00	90.00	12150.00
Total (B)					45150.00
Total (A+B)					113227.24
Erection Work					
1	Excavation of earth	cum	45	400.00	18000.00
2	Straightening and laying of Earth mat of 32 mm M S round 0.6 mtr deep in mixed soil according to drawing or as per UPCL direction or/and as per site requirement. Making T-joints, cross joint and Lap joints by welding of M S round bar together using cleats of MS Angles 65x65x6 mm, chipping the slag and painting of the joints with black bitumen paint (including supply of paint) to avoid rusting. Cutting & making electrode 2.5 mtr long with conical pointed bottom and driving of the electrode remains 450 mm below ground level. Backfilling of soil in trenches, ramming and leveling of trench properly after completion of earthmat and earthing work is complete. Making of Delta/Bridge earthing for structure/panels i.e. LA, 11 KV panels, ACDB, DCDB, Neutral of power & station transformer.	Mtr.	189.87	250.00	47468.35
3	Earthing of structures using G.I. strips including strengthening, cutting, bending & welding with structure and equipments.	RMT	235.00	35.00	8225.00
4	Special earthing by treatment of soil with highly conducted material like combination of bentonite, conductive cement, coke dust, sodium carbonate, MgSo4, NaCl & CaCl2 as per ISS 3043-1987 as per annexure -A (including cost of all material & labor)	No.	1	25000.00	25000.00
5	Earthfilling in yard	Cum	18	1500.00	27000.00
Total (C)					125693.35
Total (A+B+C)					238920.59

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Schedule No.2

COST OF SECURITY FENCING (WIRE MESH FENCING) AROUND THE SWITCH YARD OF 33/11 KV SUBSTATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
Centralized Material					
1	R.S. Joist 175x85 (3.5x2)=7mtrs @ 19.5 Kg/mtr + 3% C & W	Kg.	141	51.705	7713.41
2	MS angle 50x50x6, 2 mtr long for stay	Kg.	60	63.298	3797.88
Total (A)					11511.29

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De-Centralized Material				
1	Fabrication & supply of Wire mesh frame made of 8 SWG wires frame of 50x50x6 mm angle M.S. (2 mtrx3 mtr). MS flat Strip 25x3 mm including all material & labour charges	No.	24	7750.00
2	Fabrication & supply of 2 mtr long, 3mtr high Wire mesh gate 10x3 mtr gate Including all material & labour charges	No.	1	10000.00
Total (B)				196000.00
C				
Erection work				
1	Erection of stays post of 50x50x6 mm angle 2 mtr long. with required CC 1:4:8 work of size .5x.5x.5	No.	6	500.00
2	Fabrication of R.S. Joist . 175x85 pillar size 3.5x2 for fixing of wire mesh gate including grouting of the pillar.	Job	1	500.00
3	Erection, grouting & fixing of pre-fabricated wire mesh of size 3x1 8 mtr with proper levelling and alignments around brick wall with the CC 1:3:6 in size 0.45x0.45x 60 and all the pieces duly welded with angle joints Including all material, labour charges & tag welding	No.	1	2500.00
4	Painting of both side of wiremesh fencing with one coat of red oxide paint and two coat of Aluminium paint of best quality ISI mark including cost of red oxide, paint	Rmt	50	150.00
5	Painting of stays	No.	6	120.00
Total (C)				14220.00
Total (A+B+C)				221731.29

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Schedule No.-3

COST OF TERMINAL GANTRY WITH LA AT 33/11 KV SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
A					
Centralized Material					
1	R.S. Joist 175x85	Kg.	683	54.705	37363.52
2	R.S. Joist 175x85 for top	Kg.	64	54.705	3501.12
3	M.S. Angle 50x50x6mm	Kg.	278	63.298	17596.84
4	M.S. Channel 100x50x6 mm for LA	Kg.	72	57.32	4127.04
5	33 KV Disc Insulator Polymer 70 KN, B & S Type	No.	3	282.00	846.00
6	Disc fitting for Dog 70 KN	No.	3	483.00	1449.00
7	33 KV Lightning Arrestor	No.	3	11300.00	33900.00
Total (A)					98783.52
B					
De-Centralized Material					
1	M.S. bolt & nut with washers.	Kg.	10	125.00	1250.00
2	Stone pad 300x300x75 mm.	No.	4	250.00	1000.00
3	MS plate 225x225x8 mm thick	No.	3	375.00	1125.00
Total (B)					3375.00
Total (A+B)					102158.52
C					
Erection work					
1	Fabrication of T.G. Structure complete as per approved drawing.	Kg.	1097	30.00	32910.00
2	Excavation of earth in mixed soil for foundation	Cum	5.801	400.00	2320.40
3	Cement concreting in 1:3:6	Cum	5.408	6000.00	32448.00
4	Cement Plaster 1:4, on top & side walls	Sqm.	6	250.00	1500.00
5	Erection of T.G. with LA	Job	1	2000.00	2000.00
6	Painting of structure with one coat of red oxide paint and two coat of Aluminium paint of best quality ISI mark Dulux, Burger, Asian make including cost of red oxide, paint.	Job	1	1000.00	1000.00
Total (C)					72178.40
Total (A+B+C)					174336.92

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COST OF ONE SET OF LINE ISOLATOR AT 33/11 KV SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
A	Centralized Material				
1	Line Isolator, 800A, 33KV	No.	1	47568.00	47568.00
2	M.S. Channel 125x65x65 mm	Kg.	231	56.691	13095.62
3	M.S. Angle 75x75x6 mm	Kg.	48	57.635	2766.48
3	MS Angle 50x50x6 mm	Kg.	14	63.298	886.17
	Total (A)				64316.27
B	De-Centralized Material				
1	M.S. flat 50x6 mm.	Kg.	35	80.00	2800.00
2	M.S. bolts & nut with washers.	Kg.	5	125.00	625.00
	Total (B)				3425.00
C	Erection work				
1	Fabrication charges of structure as per approved drawing	Kg.	328	30.00	9840.00
2	Excavation of earth in mixed soil	Cum.	0.860	300.00	258.00
3	Cement concreting in 1:3:6 ratio	Cum.	0.581	6000.00	3486.00
4	Cement Plaster 1:4, on top & side walls	Sqm.	3	250.00	750.00
5	Erection charges of isolator structure	Job	1	2000.00	2000.00
6	Erection charges of line isolator complete by assembling, fixing of operating handle, pins etc for smooth operation of the isolator.	Job	1	2500.00	2500.00
7	Painting of structure with one coat of red oxide paint and two coat of Aluminium paint of best quality I.S.I. mark Dulux, Burger, Asian make including cost of red oxide, paint.	Job	1	500.00	500.00
	Total (C)				19334.00
	Total (A+B+C)				87075.27

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Schedule No.-5

COST OF 33 KV VCB. AT 33/11 KV SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
A	Centralized Material				
1	33 KV VCB, 1250A, 24 V DC with structure	No.	1	251685.00	251685.00
	Total (A)				251685.00
C	Erection work				
1	Excavation of earth in mixed soil for foundation of CB stand	Cum.	3	400.00	1200.00
2	Grouting of CB stand with C.C. in 1:3:6 ratio	Cum.	3	6000.00	18000.00
3	Cement Plaster 1:4, on top & side walls	Sqm.	8	250.00	2000.00
4	Fixing and erection of structure & circuit breaker	Job	1	8000.00	8000.00
5	Painting of structure with one coat of red oxide paint and two coat of Aluminium paint of best quality I.S.I. mark Dulux, Burger, Asian make including cost of red oxide, paint.	Job	1	500.00	500.00
	Total (C)				29700.00
	Total (A+C)				281385.00

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COST OF ONE SET OF CT 200/100/1A AT 33/11 KV SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
Centralized Material					
1	CT Out door, 33 KV CTR 400-200/1-1-A	No.	3	22844.00	68532.00
2	M.S. Channel 125x65x6 mm	Kg.	115	56.691	6519.47
3	M.S. Angle 75x75x6mm	Kg.	48	57.635	2766.48
4	Junction box for CT	Nos.	1	3172.00	3172.00
Total (A)					80989.95
De-Centralized Material					
1	MS Plate 400x400x8 mm.	No.	3	700.00	2100.00
2	M.S. bolts & nut with washers.	Kg.	5	125.00	625.00
Total (B)					2725.00
Total (A+B)					83714.95
Erection work					
1	Fabrication charges of structure as per approved drawing	Kg.	163	30.00	4890.00
2	Excavation of earth in mixed soil	Cum	0.344	300.00	103.20
3	Grouting of structure with C.C. in 1:3:6 ratio	Cum	0.194	6000.00	1164.00
4	Cement Plaster 1:4, on top & side walls	Sqm.	3	250.00	750.00
4	Erection charges of CT structure	Job	1	1500.00	1500.00
5	Fixing and erection of CT	Job	1	1000.00	1000.00
6	Painting of structure with one coat of red oxide paint and two coat of Aluminium paint of best quality I.S.I. mark Dulux, Burger, Asian make including cost of red oxide paint.	Job	1	500.00	500.00
Total (C)					9907.20
Total (A+B+C)					93622.15

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Schedule-7

COST OF ONE SET OF BUS ISOLATOR AT 33/11 KV SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
Centralized Material					
1	Bus Isolator, 800A, 33KV	No.	1	38759.00	38759.00
2	M.S. Channel 125x65x6.5 mm	Kg.	231	56.691	13095.62
3	M.S. Angle 75x75x6 mm	Kg.	48	57.635	2766.48
4	M.S. Angle 50x50x6 mm	Kg.	14	63.298	886.17
Total (A)					55507.27
De-Centralized Material					
1	M.S. flat 50x6 mm	Kg.	35	80.00	2800.00
2	M.S. bolts & nut with washers	Kg.	5	125.00	625.00
Total (B)					3425.00
Total (A+B)					58932.27
Erection work					
1	Fabrication charges of structure as per approved drawing	Kg.	293	30.00	8790.00
2	Excavation of earth in mixed soil	Cum	0.860	400.00	344.00
3	Cement concreting in 1:3:6 ratio	Cum	0.581	6000.00	3486.00
4	Cement Plaster 1:4, on top & side walls	Sqm.	3	250.00	750.00
5	Erection charges of isolator structure	Job	1	2000.00	2000.00
6	Erection charges of isolator complete by assembling, fixing of operating handle, pins etc for smooth operation of the isolator.	Job	1	1000.00	1000.00
7	Painting of structure with one coat of red oxide paint and two coat of Aluminium paint of best quality I.S.I. mark Dulux, Burger, Asian make including cost of red oxide paint.	Job	1	500.00	500.00
Total (C)					16870.00
Total (A+B+C)					75802.27

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COST OF ONE SET OF 33 KV CABLE STAND SET AT 33/11 KV SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
A	Centralized Material				
1	M.S. Channel 125x65x6 mm	Kg	115	56.691	6519.47
2	M.S. Angle 75x75x6 mm	Kg	48	57.635	2766.48
3	33 KV Lightning Arrester	No.	3	11300.00	33900.00
Total (A)					43185.95
B	De-Centralized Material				
1	MS Plate 225x225x8 mm.	No.	3	375.00	1125.00
1	M.S. bolts & nut with washers.	Kg.	5	125.00	625.00
Total (B)					1750.00
C	Erection work				
1	Fabrication charges of structure as per approved drawing	Kg.	163	30.00	4890.00
2	Excavation of earth in mixed soil	Cum	0.344	300.00	103.20
3	Grouting of structure with C.C. in 1:3:6 ratio	Cum	0.194	6000.00	1164.00
4	Cement Plaster 1:4, on top & side walls	Sqm.	3	250.00	750.00
5	Erection charges of structure	Job	1	2000.00	2000.00
5	Fixing and erection charges of Lightning arrester	Job	1	1000.00	1000.00
6	Painting of structure with one coat of red oxide paint and two coat of Aluminium paint of best quality I.S.I. mark Dulux, Burger, Asian make including cost of red oxide paint.	Job	1	500.00	500.00
Total (C)					10407.20
Total (A+B+C)					55343.15

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Schedule No.-9

COST OF 33 KV PANELS

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
A	Centralized Material				
1	Control & Relay Panel 33 KV Double Fdr, 24 V DC	No.	1	171800.00	171800.00
Total (A)					171800.00
C	Erection work				
1	Cartage of pannels from road side to SGR Room	Nos.	1	5000.00	5000.00
2	Placing of pannels on specific place over SGR trench on MS Channels and fixing of pannels with nut & bolts.	Nos.	1	4000.00	4000.00
3	Making electrical connection of pannels by control wiring complete with & VCB etc.	Nos.	1	10000.00	10000.00
Total (C)					19000.00
Total (A+B+C)					190800.00

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COST OF BUS BAR & CONNECTORS AT 33/11 KV SUB-STATION

Schedule No.-10

Sl. No.	Paticulars	Unit	Qty.	Rate	Amount
Centralized Material					
1	ACSR Panther conductor	Mtr	50	174.179	8708.95
Total (A)					8708.95
De-Centralized Material					
3	Connectors suitable for Panther				
	1. For L.A suitable for panther	No.	6	550.00	3300.00
	3. For Isolators suitable for panther	No.	12	550.00	6600.00
	5. For C.I./P.T suitable for panther/dog	No.	6	700.00	4200.00
	7. For SI-6, VCB suitable for panther	No.	6	700.00	4200.00
Total (B)					18300.00
Erection work					
2	Labour charges for drawing bus-bar & making connection in each equipment,connectors main & auxilary bus bar complete.	Job	1	5000.00	5000.00
Total (C)					5000.00
Total (A+B+C)					32008.95

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COST OF LAYING LT CONTROL CABLES & CABLE TRENCH AT SUB-STATION

Schedule No.-11

Sl. No.	Paticulars	Unit	Qty.	Rate	Amount
Centralized Material					
1	LT Control Cable				
	i. 10C x 2.5 Sq. mm.	Mtr.	120	180.00	21600.00
	ii. 4C x 2.5 Sq. mm.	Mtr.	260	80.00	20800.00
	iii 2C x 2.5 Sq. mm.	Mtr.	260	45.00	11700.00
Total (A)					54100.00
De-Centralized Material					
2	G.I Pipe 5/6" mm dia 3 mtr long	No.	5	6000.00	30000.00
Total (B)					30000.00
Total (A+B)					84100.00
Erection work					
3	Laying, spreading & jointing of LT control cable by using propers ties,lugs, connectors, cable glands in cable trench and equipments..	Mtr.	640	30.00	19200.00
Total (C)					19200.00
Total (A+B+C)					103300.00

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COST OF 33 KV CABLE LAYING AT SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
Centralized Material					
1	33 KV XLPE cable 3Cx400mm ²				
2	MS channel 125x65 mmx2.8 mtrx4x13.1 Kg/mtr	Mtr	200	2531.00	506200.00
1	33 KV Cable jointing kit 3cx400 mm ² outdoor type	KG	100	56.691	5669.10
		No.	8	28765.00	230120.00
Total (A)					741989.10
De-Centralized Material					
3	G.I. Pipe 5/6" mm dia 3 mtr long				
4	Total (B)	No.	12	6000.00	72000.00
Erection work					72000.00
1	Laying of 33 KV/ 11 KV Cable by excavation of cable trench in mixed soil, filling of the sand upto the height 250mm from the bottom most level of the cable trench thereafter properly laying of the cable by placing bricks on both side of the cable then re-filling of the sand from the top so as to cover the cable completely and then placing the bricks on the top of the covered cable, spreading of cable warning tape & covering of the trench completely with mixed soil including cost of sand, bricks, etc.	RMT	200	500.00	100000.00
2	Filling of cable jointing kit 33 KV outdoor type	No.	8	8000.00	64000.00
3	Fabrication charges of MS items	Kg.	100	30.00	3000.00
Total (C)					167000.00
Total (A+B+C)					980989.10

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Schedule No.-13

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
De-Centralized Material					
1	Rubber mat 1 mtr. wide x 2 mtr long and 12 mm thick to withstand 11 KV dielectric strength as per IS 5424-1969. Along the all equipments in Control Room.	No.	2	3500.00	7000.00
2	Carbon dioxide (CO ₂) type fire extinguishers conforming to IS 2878 - 1976 and cylinders fully charged of 4.5 Kg capacity.	No.	2	22500.00	45000.00
3	Foam type fire extinguishers, Portable type 5 lit capacity hanged on wall with bracket complete as required	No.	2	20000.00	40000.00
Total (B)					92000.00
Erection work					
1	Installation/Mounting of Fire Extinguishers	No.	4	50.00	200.00
Total (C)					200.00
TOTAL (A+B+C)					92200.00

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COST OF MISC. ITEMS OF SUB-STATION

Sl. No.	Particulars	Unit	Qty.	Rate	Amount
A					
Centralized Material					
1	24 V Battery charger with boost & trickle charge 300 AH	Nos.	1	37000.00	37000.00
2	24 V Battery set Maint. Free	Nos.	1	45000.00	45000.00
3	DCDB 24 V	Nos.	1	37000.00	37000.00
Total (A)					119000.00
B					
De-Centralized Material					
1	Single line diagram board of S/s size 2½'x1½' PolyFlex board with frame, duly painted & writing.	No.	1	3000.00	3000.00
2	Name plate of equipment TG, LI, BI, CT, CB, LA etc. (Size 9"x5" with white base, red border & letter written in red color)	LS	1	3000.00	3000.00
3	Sundries items Cable tie, Alu lug, Copper lug & HT, LT tape, pvc compound, ferrule, pvc flexible pipe, paint writing on panels, HT LT diff size cable gland.	LS	1	5000.00	5000.00
4	ACDB	Nos.	1	90000.00	90000.00
Total (B)					101000.00
Total (A+B)					220000.00
C					
Erection work					
1	Erection of 24 V Battery charger with boost & trickle charge	No.	1	3000.00	3000.00
2	Erection of 24 V Battery set Maint. Free	No.	1	1250.00	1250.00
3	Erection of DCDB 24 V	No.	1	3500.00	3500.00
4	Erection of ACDB	No.	1	4000.00	4000.00
5	Erection of Name plates, instruction board, SLD, Max., Min. board etc.	Job	1	2000.00	2000.00
Total (C)					13750.00
Total (A+B+C)					233750.00

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