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BIHAR STATE POWER TRANSMISSION COMPANY LTD., PATNA
(A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna)
CIN - U74110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, Vidyut Bhawan, Bailey Road, Patna - 800021

Name of Work: Estimate for construction of (2x200 MVA+2X80MVA), 220/132/33 KV GSS Mairwa (Dist:-Siwan) along with construction of associated 220 KV & 132 KV transmission lines, construction of 02 Nos. of 220 KV line bays at 400/220/132 KV GSS Chhapra new, construction of 02 Nos. of 132 KV line bays at GSS Raghunathpur & construction of 132 KV line bays at GSS Bhorey.

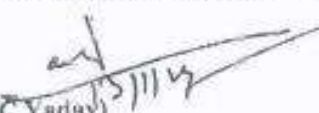
S. No.	Scope of Work	Estimated Cost (In Rs.)
A	NEW SUBSTATION WORK	
1	2x200 MVA + 2x80 MVA, 220/132/33 KV AIS Sub-Station at GSS Mairwa (Dist:-Siwan)	160,62,78,690.41
B	LINE BAY EXTENSION WORK	
1	400/220/132 KV GSS Chhapra new, 220 KV Extension (2 Nos. Line Bay)	9,89,72,091.05
2	132/33 KV GSS Raghunathpur, 132 KV Extension (2 Nos. Line Bay)	5,56,00,501.10
3	132/33 KV GSS Bhorey, 132 KV Extension (2 Nos. Line Bay)	6,03,36,709.82
C	TRANSMISSION LINE WORK	
1	Construction of 220 KV DCDS Transmission Line from 400/220/132 KV GSS Chhapra new to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Zebra Conductor (Line Length - 130 RKM)	164,20,19,896.31
2	Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Raghunathpur to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Panther Conductor (Line Length - 50 RKM) & Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Bhorey to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Panther Conductor (Line Length - 75 RKM)	134,08,23,500.08
D	Total (=A+B+C)	480,40,31,388.77
E	Contingencies (@01% of D)	4,80,40,313.89
F	Escrow 9 % on 80%	34,58,902.60
G	Total Cost of Project	485,55,30,605.26
H	Land cost (20 Acres land @ 1.5 Cr for GSS Mairwa & 1Acres land @ 1.5 Cr for GSS Raghunathpur)	31,50,00,000.00
I	GRAND TOTAL (In Rs.)	517,05,30,605.26
J	GRAND TOTAL (In Rs.)	Say (₹517,05,30,605.00)

 E. Ex. E. (Project-I)
  E. S. E. (Project-I)
  C. E. (Project-I)
  Ratan Kumar
13/01/25
C.E. (Project-I)

Dated: 13-01-2025

TECHNICALLY SANCTIONED

₹ 517,05,30,605.00 (Rupees Five Hundred Seventeen Crore Five Lakh Thirty Thousand Six Hundred Five) Only.


(L. C. Yadav)
Director (Project)

BIHAR STATE POWER TRANSMISSION COMPANY
LIMITED

(A GOVERNMENT OF BIHAR UNDERTAKING)



DETAILED PROJECT REPORT (DPR) FOR CONSTRUCTION OF NEWLY PROPOSED 2X200 MVA + 2X80 MVA, 220/132/33 KV AIS SUB-STATION AT GSS MAIRWA (DIST:-SIWAN) ALONGWITH CONSTRUCTION OF 220 KV DCDS TRANSMISSION LINE FROM 400/220/132 KV GSS CHHAPRA NEW TO 220/132/33 KV AIS SUB-STATION AT GSS MAIRWA WITH ACSR ZEBRA CONDUCTOR , CONSTRUCTION OF 132 KV DCDS TRANSMISSION LINE FROM 132/33 KV GSS RAGHUNATHPUR TO 220/132/33 KV AIS SUB-STATION AT GSS MAIRWA WITH ACSR PANTHER CONDUCTOR, CONSTRUCTION OF 132 KV DCDS TRANSMISSION LINE FROM 132/33 KV GSS BHOREY TO 220/132/33 KV AIS SUB-STATION AT GSS MAIRWA WITH ACSR PANTHER CONDUCTOR , CONSTRUCTION OF 02 NOS. 220 KV LINE BAY EXTENSION WORK AT 400/220/132 KV GSS CHHAPRA NEW, 02 NOS. 132 KV LINE BAY EXTENSION WORK AT 132/33 KV GSS RAGHUNATHPUR & 02 NOS. 132 KV LINE BAY EXTENSION WORK AT 132/33 KV GSS BHOREY.

DETAILED PROJECT REPORT

Name of Work: Construction of 2x200 MVA + 2x80 MVA, 220/132/33 KV AIS Sub-Station at GSS Mairwa (Dist:-Siwan) alongwith Construction of 220 KV DCDS Transmission Line from 400/220/132 KV GSS Chhapra new to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Zebra Conductor , Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Raghunathpur to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Panther Conductor, Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Bhorey to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Panther Conductor , construction of 01 nos. 220 KV line bay extension work at 400/220/132 KV GSS Chhapra new, 02 nos. 132 KV line bay extension work at 132/33 KV GSS Raghunathpur & 02 nos. 132 KV line bay extension work at 132/33 KV GSS Bhorey.

Scheme/Fund: State Plan (80:20)

Background:

Bihar State Power transmission Co. Ltd (BSPTCL) a wholly Owned corporate entity under Bihar Government was incorporated under the Companies Act 1956 on 1st Nov 2012 after re-organisation of erstwhile Bihar State Electricity Board (BSEB).

Bihar State Transmission Company Limited (BSPTCL) is a State Transmission Utility under BSP(H)CL formed under the Company Act 1956 to carry out the activities related with Intra State Transmission and wheeling of electricity in the State. BSPTCL is a Deemed transmission licensee in the State of Bihar. The company is also discharging the functions of State Load Dispatch Centre from its Head-Quarter, 4th floor, Vidyut Bhawan, Patna.

BSPTCL intends to implement 100% load availability across all its Transmission & Sub-transmission system for which many progressive works is being carried out for the benefit of people in Bihar State.

Requirement of new GSS at GSS Mairwa (Dist:-Siwan):-

- There are 5 nos. of 132/33 kV Grid Sub-stations which are being fed from 220/132 kV Gopalganj and Amnour. (Siwan, Hathua, Raghunathpur, Mashrakh & Ekma).
- In case of outage of Source GSS or any transmission link among Gopalganj and Amnour, there arises an acute power shortage which finally leads to load shedding.
- Even in normal running condition, voltage profile of downlinking Grid Sub-stations like Siwan, Hathua, Raghunathpur etc.

- Moreover, it is evident that 132/33 kV GSS at Siwan also require a strong alternate power source to provide uninterrupted power.
- Owing to above facts, a new source Grid at 220KV level is required which will not only provide quality power to Siwan District, but also acts as alternate source other than 132/33 kV GSS and maintaining flat voltage profile as well.
- It will also provide an alternate source to U/c 132/33 kV GSS, Bhorey.
- After construction of proposed GSS at Mairwa, the length of the existing 33 kV lines; reduce technical losses, which will improved the quality and reliability power to the following area..

Name of Feeder	Load (in MW)	Distance from Existing GSS (in CkM)	Distance from Proposed GSS (in CkM)
Mairwa	16	25 KM	1 KM
Nautan	3.5	14 KM	15 KM
Hathauji	3	40 KM	25 KM
Barka Majha	3	30 KM	07 KM
Guthanni	8.5	20 KM	10 KM
Darauli	6	22 KM	20 KM

In light of above and increased demand of the area, new 2x200 MVA + 2x80 MVA, 220/132/33 KV AIS Sub-Station at GSS Mairwa (Dist:-Siwan) has been proposed. This Grid Substation will improve the quality and reliability of the power supply in the area. It will shorten the length of the existing 33 kV lines; reduce technical losses, which will increase the overall efficiency of the power system. The proposed substation will also help maintain stable voltage levels during any power outages and shall provide the capacity needed to support the expected growth in power demand in the Siwan district.

Details of work for proposed Grid Substation are as under:

1. 2x200 MVA + 2x80 MVA, 220/132/33 KV AIS Sub-Station at GSS Mairwa (Dist:-Siwan)
2. Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Bhorey to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Zebra Conductor (Line Length - 75 RKM)
3. Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Raghunathpur to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Panther Conductor (Line Length - 50 RKM)
4. Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Bhorey to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Zebra Conductor (Line Length - 75 RKM)
5. 400/220/132 KV GSS Chhapra new, 220 KV Extension (2 Nos. Line Bay)
6. 132/33 KV GSS Raghunathpur, 132 KV Extension (2 Nos. Line Bay)
7. 132/33 KV GSS Bhorey, 132 KV Extension (2 Nos. Line Bay)

Taken into consideration a proposal for the said work has been prepared.

Accordingly, an estimate for construction of 2x200 MVA + 2x80 MVA, 220/132/33 KV AIS Sub-Station at GSS Mairwa (Dist:-Siwan) alongwith Construction of 220 KV DCDS Transmission Line from 400/220/132 KV GSS Chhapra new to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Zebra Conductor, Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Raghunathpur to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Panther Conductor, Construction of 132 KV DCDS Transmission Line from 132/33 KV GSS Bhorey to 220/132/33 KV AIS Sub-Station at GSS Mairwa with ACSR Panther Conductor, construction of 02 nos. 220 KV line bay

extension work at 400/220/132 KV GSS Chhapra new, 02 nos. 132 KV line bay extension work at 132/33 KV GSS Raghunathpur & 02 nos. 132 KV line bay extension work at 132/33 KV GSS Bhorey has been prepared. The cost for the estimate has been taken from BOR 2024-25 of BSPTCL.

Schedule completion period for this work will be 18 (Eighteen) months from the date of issuance of Notification of Award (NOA).

The summary of the estimate are as detailed below:

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BIHAR STATE POWER TRANSMISSION CO. LTD., PATNA
(GST No. :- 10AAFCB2393H1Z1, CIN -U74110BR2012SGC01889)
Head Office, Vidyut Bhawan, Bailey Road, Patna- 800021
(Department of Project-I of BSPTCL)
Email address- project1@bsptcl.bihar.gov.in / ce.trans664@gmail.com
Mob. No. 7763817701 Website- www.bsptcl.in

Tender Notice (NTT) No. 37/PR/BSPTCL/2025

(Through e-procurement mode only -www.eproc2.bihar.gov.in)

Online-Tenders are invited by Chief Engineer (Project-I) for the following: -

Description of work	Estimated Cost (Rs.)	E.M.D. (Rs.)	Cost of B.O.Q. (Non-Refundable) (Rs.)	Bid Processing Fee (Rs.)	Completion period
Construction of (2x200 MVA + 2x80 MVA), 220/132/33 KV Grid Sub-Station at GSS Mairwa (Dist:-Siwan) along with construction of 02 Nos. 132 KV line bay extension work each at 132/33 KV GSS Raghunathpur & 132/33 KV GSS Bhorey on turnkey basis under State Plan.	182.12 Cr	1 Crore	11,800.00	5900.00	18 (Eighteen months) from N.O.A.

Bid submission Start Date and Time	From 15:00 Hrs. of 25.06.2025
Date of Pre-bid meeting	On 11:00 Hrs. of 02.07.2025
Bid submission due Date and Time	Up to 17:00 Hrs. of 16.07.2025
Date of opening of Techno-Commercial Bid (Part-I):	After 16:00 Hrs. of 18.07.2025

"विवादों के निष्पादन के लिए लोक अदालत का लाभ उठाव परस्पर सहमति से न्यायिक निर्णय प्राप्त करें समय एवं खर्च की बचत करें।"

- "Bid Processing Fee is mandatory to be paid through online mode i.e. Internet Payment Gateway (Credit/Debit Card), Net Banking, NEFT/RTGS".
- The Cost of EMD may be paid through either Online or Offline mode. In case, Cost of EMD is opted to be paid through Offline mode, Bank Guarantee/Demand Draft for EMD in favor of "Accounts Officer, BSPTCL, Patna" must be submitted to Chief Engineer, Project-I, BSPTCL, Vidyut Bhawan I, Patna positively up to 18:00 Hrs. of 16.07.2025 failing which the tender shall be summarily rejected. For online submissions of Cost of EMD, bidder shall must submit details of intimation to this Office by 18:00 Hrs. of 16.07.2025
- "Bid along with necessary online payments must be submitted through e-payment portal <https://eproc2.bihar.gov.in/> before the date & time specified in the NIT. The department doesn't take responsibility for the delay/ Non submission of Tender/ Non Reconciliation of online Payment caused due to Non-availability of Internet Connection, Network Traffic/ Holidays or any other reason".
- Eligibility Criteria, tender documents along with General/Special condition, bids and any corrigendum/ addendum of the tender are available only at website www.eproc2.bihar.gov.in

Chief Engineer (Project-I)

E-tendering introduced in BSPTCL for tenders above Rs. 25 lacs. For registration log in to www.eproc2.bihar.gov.in and e-Procurement Help Desk Toll free No: 1800 572 6571, Email Id: eproc2support@bihar.gov.in
Working Hours: 8 AM to 7 PM (All days in week except few selected state holidays).
While participating in e-tendering process, the contractor shall have to get them registered to get user ID, Passwords and digital signature. This will enable them to access the Website: www.eproc2.bihar.gov.in only.

Sd/-

Chief Engineer (Project-I)

Memo No...../

Patna dated

Copy forwarded to GM (HR), BSPTCL, Patna for its publication in Daily Newspaper on all India basis. The information after publishing the NIT may please be sent to the undersigned.

Sd/-

Chief Engineer (Project-I)

Memo No.....6.1.7...../

Patna dated....03.06/25...../

Copy forwarded to COBA (IT), BSPTCL, Patna for uploading the above tender notice on the websites.

Chief Engineer (Project-I)

Annexure-XXXV



Bihar State Power Transmission Company Limited (BSPTCL)

Detailed Project Report (DPR)

Approval of the Govt. and estimates

Name of the Work –

“Construction of 132/33 KV (2x80 MVA) , Grid Sub-Station Chausa (District-Madhepura) along with Construction of 132 KV D/C Chausa- Udakishunganj Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM) , Construction of 132 KV D/C Chausa- Bhawanipur Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM), Construction of 02 nos. of 132 KV Line bay at Upcoming 132/33 KV GSS Bhawanipur (District- Purnea) & Construction of 02 nos. of 132 KV Line bay at 132/33 KV GSS Udakishunganj (District-Madhepura)”

230

**बिहार सरकार
ऊर्जा विभाग**

पत्रांक-प्र०/BSPTCL-05/2025-
सेवा में,

/पटना, दिनांक-

महालेखाकार (लेखा एवं इक),
बिहार, वीरचन्द पटेल मार्ग, पटना।

विषय:-

माननीय मुख्यमंत्री द्वारा "प्रगति यात्रा" के क्रम में किये गये घोषणा के आलोक में बिहार स्टेट पावर ट्रान्समिशन कम्पनी लिमिटेड के अन्तर्गत संचरण प्रणाली के सुदृढीकरण हेतु मधेपुरा जिले के चौसा प्रखण्ड में एक नये 2X80 एम०वी०ए० क्षमता वाली 132/33 के०वी० ग्निड सब-स्टेशन का निर्माण, 132 के०वी० चौसा-उदाकिशनगंज एवं चौसा-भवानीपुर संचरण लाईन, ग्निड सब-स्टेशन उदाकिशनगंज एवं भवानीपुर में 132 के०वी० के दो लाईन 'बे' के निर्माण हेतु 132.72 करोड़ (एक सौ बत्तीस करोड़ बहत्तर लाख) रुपये की नयी योजना की स्वीकृति एवं उक्त स्वीकृत राशि का 20% अर्थात् 26.54 करोड़ (छब्बीस करोड़ चौबन लाख) रुपये पूंजीगत निवेश के रूप में इक्विटी स्वरूप एवं शेष 80% अर्थात् 106.18 करोड़ (एक सौ छः करोड़ अठारह लाख) रुपये राज्य सरकार की गारंटी पर विभिन्न वित्तीय संस्थाओं से ऋण प्राप्त करने की स्वीकृति प्रदान करने के संबंध में।

आदेश-स्वीकृत।

राज्य की विद्युत प्रणाली में हो रहे चतुर्दिक विकास के कारण विद्युत मांग में उत्तरोत्तर वृद्धि के कारण संचरण प्रणाली के सुदृढीकरण की आवश्यकता है। चौसा एवं पुरैनी प्रखण्ड अंतर्गत विद्युत शक्ति उपकेन्द्र डबरू टोला, चौसा, पुरैनी एवं भिड़ा की विद्युत आपूर्ति वर्तमान में 132/33 के०वी० ग्निड उपकेन्द्र उदाकिशनगंज से की जाती है। ग्निड उपकेन्द्र उदाकिशनगंज से उक्त सभी विद्युत शक्ति उपकेन्द्रों की दूरी क्रमशः 27 कि०मी०, 30 कि०मी०, 18 कि०मी० एवं 33 कि०मी० है। इस कारण सुचारु विद्युत आपूर्ति में काफी कठिनाई का सामना करना पड़ता है एवं ब्रेकडाउन की स्थिति में पुनः विद्युत आपूर्ति बहाल करने में विलम्ब होती है तथा क्षेत्रों में कम वोल्टेज की समस्या रहती है। साथ ही कलासन (चौसा) में गियाडा को 146 एकड़ जमीन हस्तांतरित किया गया है। वहाँ पर औद्योगिक विस्तार हेतु लगभग 20 मेगावाट भार बढ़ने की सम्भावना है।

2. मधेपुरा जिले के चौसा प्रखण्ड में एक नये 2X80 एम०वी०ए० क्षमता वाली 132/33 के०वी० ग्निड सब-स्टेशन का निर्माण एवं 132 के०वी० चौसा- उदाकिशनगंज संचरण लाईन एवं 132 के०वी० चौसा-भवानीपुर संचरण लाईन एवं ग्निड सब-स्टेशन उदाकिशनगंज एवं भवानीपुर में 132 के०वी० के दो लाईन 'बे' के निर्माण की आवश्यकता है। इस ग्निड सब-स्टेशन के निर्माण के पश्चात् उदाकिशनगंज अनुमण्डल एवं आस-पास के क्षेत्रों में निर्बाध एवं गुणवत्तापूर्ण विद्युत आपूर्ति की जा सकेगी। अतएव बिहार स्टेट पावर ट्रान्समिशन कम्पनी लिमिटेड के अन्तर्गत संचरण प्रणाली के सुदृढीकरण हेतु मधेपुरा जिले के चौसा प्रखण्ड में एक नये 2X80 एम०वी०ए० क्षमता वाली 132/33 के०वी० ग्निड सब-स्टेशन का निर्माण एवं 132 के०वी० चौसा-उदाकिशनगंज संचरण लाईन एवं 132 के०वी० चौसा-भवानीपुर संचरण लाईन एवं ग्निड सब-स्टेशन उदाकिशनगंज एवं भवानीपुर में 132 के०वी० के दो लाईन 'बे' के निर्माण हेतु 132.72 करोड़ (एक सौ बत्तीस करोड़ बहत्तर लाख) रुपये का प्रावकलन बनाया गया है।

3. उक्त आलोक में माननीय मुख्यमंत्री द्वारा "प्रगति यात्रा" के क्रम में किये गये घोषणा के आलोक में बिहार स्टेट पावर ट्रान्समिशन कम्पनी लिमिटेड के अन्तर्गत संचरण प्रणाली के सुदृढीकरण हेतु मधेपुरा जिले के चौसा प्रखण्ड में एक नये 2X80 एम०वी०ए० क्षमता वाली 132/33 के०वी० ग्रिड सब-स्टेशन का निर्माण, 132 के०वी० चौसा-उदाकिशनगंज एवं चौसा-भवानीपुर संचरण लाईन, ग्रिड सब-स्टेशन उदाकिशनगंज एवं भवानीपुर में 132 के०वी० के दो लाईन 'बे' के निर्माण हेतु 132.72 करोड़ (एक सौ बत्तीस करोड़ बड़तर लाख) रुपये की नयी योजना की स्वीकृति एवं उक्त स्वीकृत राशि का 20% अर्थात् 26.54 करोड़ (छब्बीस करोड़ चौबन लाख) रुपये पूँजीगत निवेश के रूप में इक्विटी स्वरूप एवं शेष 80% अर्थात् 106.18 करोड़ (एक सौ छः करोड़ अठारह लाख) रुपये राज्य सरकार की गारंटी पर विभिन्न वित्तीय संस्थाओं से ऋण प्राप्त करने की स्वीकृति प्रदान की जाती है।
4. उक्त राशि मॉग सं०-10, मुख्य शीर्ष 4801-बिजली परियोजनाओं पर पूँजीगत परियोजना-उप मुख्य शीर्ष-05 संचरण तथा वितरण, लघु शीर्ष-190-सार्वजनिक क्षेत्र के तथा अन्य उपक्रमों में निवेश, उपशीर्ष-0105-बिहार स्टेट पावर ट्रान्समिशन कं० लि० की परियोजना, विपत्र कोड-10-4801051900105 विषय शीर्ष 5401-निवेश के अंतर्गत उपबंधित राशि से विकलनीय होगा।
5. इस राशि की निकासी अवर सचिव-सह-निकासी एवं व्ययन पदाधिकारी, ऊर्जा विभाग, बिहार, पटना के द्वारा CFMS के माध्यम से सचिवालय कोषागार, सिंचाई भवन, पटना से कर बिहार स्टेट पावर ट्रान्समिशन कं० लि० के व्यक्तिगत लेखा खाता (पी०एल० खाता-PTSPLA014) के मुख्य शीर्ष 8448-स्थानीय निधियों की जमा, उप मुख्य शीर्ष-00, लघु शीर्ष-120-अन्य निधियाँ, उपशीर्ष-0044-बिहार स्टेट पावर ट्रान्समिशन कं० लि०, व्यय शीर्ष-L8448001200044 एवं प्राप्तियाँ-K-8448001200044 में जमा की जाएगी।
6. बिहार स्टेट पावर ट्रान्समिशन कं० लि० द्वारा राशि की निकासी कोषागार में खोले गए CFMS खाता संख्या-PTSPLA014 से की जाएगी।
7. वित्त विभाग के परिपत्र संख्या-7355 दिनांक-05.10.2007 के अनुसार इसमें सहमतेखाकार, बिहार, पटना से प्राधिकार पत्र की आवश्यकता नहीं है।
8. उक्त प्रस्ताव की स्वीकृति हेतु मंत्रिपरिषद् का अनुमोदन संचिका संख्या-प्र०/BSPTCL-05/2025 के पृष्ठ संख्या-14/टि० पर दिनांक-04.02.2025 को प्राप्त है।
9. राज्यादेश पर आंतरिक वित्तीय सलाहकार की सहमति संचिका संख्या-प्र०/BSPTCL-05/2025 के पृष्ठ संख्या-17/टि० पर दिनांक-05.02.2025 को प्राप्त है।
10. प्रस्ताव एवं प्रारूप पर सचिव का अनुमोदन प्राप्त है।

बिहार राज्यपाल के आदेश से

ह०/-

(राज किशोर लाल)

सरकार के उप सचिव।

534

आपांक-प्र०/BSPTCL-05/2025-

/पटना, दिनांक-

प्रतिलिपि:-महालेखाकार(लेखा परीक्षा), बिहार, पटना/कोषागार पदाधिकारी, सचिवालय
कोषागार, सिंचाई भवन, पटना को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

ह०/-

सरकार के उप सचिव।

आपांक-प्र०/BSPTCL-05/2025-

639

/पटना, दिनांक- 07.02.2025

प्रतिलिपि:-वित्त विभाग, बजट शाखा/प्रधान सचिव, योजना एवं विकास विभाग, बिहार,
पटना/प्रधान सचिव, वित्त विभाग, बिहार, पटना/अपर सचिव, मंत्रिमंडल सचिवालय विभाग,
बिहार, पटना/अवर सचिव-सह-निकासी एवं व्ययन पदाधिकारी, ऊर्जा विभाग, पटना/
आंतरिक वित्तीय सलाहकार/सहायक निदेशक/बजट शाखा, ऊर्जा विभाग, पटना/लेखा
शाखा, ऊर्जा विभाग (तीन प्रतियों में), पटना/अध्यक्ष-सह-प्रबंध निदेशक, बिहार स्टेट पावर
(डो०) क० लि०/प्रबंध निदेशक, बिहार स्टेट पावर ट्रान्समिशन क० लि० एवं आई०टी० मैनेजर,
ऊर्जा विभाग, पटना को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

20/07/25

सरकार के उप सचिव।

BIHAR STATE POWER TRANSMISSION COMPANY LTD., PATNA
(A subsidiary company of Bihar State Power (Holding) Company Ltd., Patna)
CIN - U74110BR2012SGC018889
[SAVE ENERGY FOR BENEFIT OF SELF AND NATION]
Head Office, Vidyut Bhawan, Bailey Road, Patna - 800021

Name of Work: Estimate for construction of 132/33 KV (2x80 MVA) , Grid Sub-Station Chausa (District-Madhepura) along with Construction of 132 KV D/C Chausa-Udakishunganj Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM) , Construction of 132 KV D/C Chausa- Bhawanipur Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM), Construction of 02 nos. of 132 KV Line bay at Upcoming 132/33 KV GSS Bhawanipur (District- Purnea) & Construction of 02 nos. of 132 KV Line bay at 132/33 KV GSS Udakishunganj (District-Madhepura)

Sl. No.	Scope of Work	Estimated Cost (In Rs.)
A	NEW SUBSTATION WORK	
1	Construction of 132/33 KV (2x80 MVA) , Grid Sub-Station Chausa (District-Madhepura)	66,21,61,192.03
B	LINE BAY EXTENSION WORK	
1	Construction of 02 nos. of 132 KV Line bay at Upcoming 132/33 KV GSS Bhawanipur (District- Purnea)	5,37,50,482.74
2	Construction of 02 nos. of 132 KV Line bay at 132/33 KV GSS Udakishunganj (District-Madhepura)	5,36,18,083.74
C	TRANSMISSION LINE WORK	
1	Construction of 132 KV D/C Chausa- Udakishunganj Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM)	21,15,42,254.16
2	Construction of 132 KV D/C Chausa- Bhawanipur Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM)	21,33,54,014.21
D	Total (=A+B+C)	1,19,44,26,026.87
E	Contingencies (@01% of D)	1,19,44,260.27
F	IDC 9 % on 80%	8,59,986.74
G	Total Cost of Project	120,72,30,273.87
H	Land cost (8 Acres land @ 1.5 Cr for GSS Chausa)	12,00,00,000.00
I	GRAND TOTAL (In Rs.)	132,72,30,273.87
H	GRAND TOTAL (In Rs. Cr)	132.72

Subanta Kumar Paul
24/01/25
A.E.E. (Project-I)

Sudhakar
24/01/25
E.E.E. (Project-I)

Pradyumn
24/01/25
E.S.E. (Project-I)

Amr
24/01/25
C.E. (Project-I)

Estt No.: 07

Dated: 24-01-2025

TECHNICALLY SANCTIONED

For Rs. 132,72,30,274.00 (Thirteen Crore Twenty Seven Lakh Twenty Three Thousand Twenty Seven) Only.

an
24/01/25
(LC Yadav)
Director (Project)

**BIHAR STATE POWER TRANSMISSION COMPANY
LIMITED**

(A GOVERNMENT OF BIHAR UNDERTAKING)



DETAILED PROJECT REPORT (DPR) FOR CONSTRUCTION OF NEWLY PROPOSED CONSTRUCTION OF 132/33 KV (2X80 MVA), GRID SUB-STATION CHAUSA (DISTRICT-MADHEPURA) ALONG WITH CONSTRUCTION OF 132 KV D/C CHAUSA- UDAKISHUNGANJ TRANSMISSION LINE WITH ACSR PANTHER CONDUCTOR (LINE LENGTH - 20 RKM) , CONSTRUCTION OF 132 KV D/C CHAUSA-BHAWANIPUR TRANSMISSION LINE WITH ACSR PANTHER CONDUCTOR (LINE LENGTH - 20 RKM), CONSTRUCTION OF 02 NOS. OF 132 KV LINE BAY AT UPCOMING 132/33 KV GSS BHAWANIPUR (DISTRICT- PURNEA) & CONSTRUCTION OF 02 NOS. OF 132 KV LINE BAY AT 132/33 KV GSS UDAKISHUNGANJ (DISTRICT-MADHEPURA)

DETAILED PROJECT REPORT

Name of Work: Construction of 132/33 KV (2x80 MVA) , Grid Sub-Station Chausa (District-Madhepura) along with Construction of 132 KV D/G Chausa-Udakishunganj Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM) , Construction of 132 KV D/G Chausa-Bhawanipur Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM), Construction of 02 nos. of 132 KV Line bay at Upcoming 132/33 KV GSS Bhawanipur (District- Patna) & Construction of 02 nos. of 132 KV Line bay at 132/33 KV GSS Udakishunganj (District-Madhepura).

Scheme/Fund: State Plan (80:20)

Background:

Bihar State Power transmission Co. Ltd (BSPTCL) a wholly Owned corporate entity under Bihar Government was incorporated under the Companies Act 1956 on 1st Nov 2012 after re-organisation of erstwhile Bihar State Electricity Board (BSEB).

Bihar State Transmission Company Limited (BSPTCL) is a State Transmission Utility under BSP(H)CL formed under the Company Act 1956 to carry out the activities related with Intra State Transmission and wheeling of electricity in the State. BSPTCL is a Decreed transmission licensee in the State of Bihar. The company is also discharging the functions of State Load Dispatch Centre from its Head-Quarter, 4th floor, Vidyut Bhawan, Patna.

BSPTCL intends to implement 100% load availability across all its Transmission & Sub-transmission system for which many progressive works is being carried out for the benefit of people in Bihar State.

Requirement of new GSS at GSS Chausa (District-Madhepura):-

In present condition Chausa is getting power from 132/33 KV grid sub-station Udakishunganj which is 30 km from GSS Udakishunganj. In summer season low voltage issue was facing in many areas. Distance of PSS from GSS Udakishunganj and its connected load are as follow-

Sl. No.	Existing PSS Name	Distance from GSS Udakishunganj	Connected Load
1	33/11 KV PSS Chausa	30 km	7 MW
2	33/11 KV PSS Damrutola	27 km	5 MW
3	33/11 KV PSS Puraini	18 km	4 MW
4	33/11 KV PSS Bhittha	33 km	4 MW

Two upcoming PSS are 33/11 KV PSS Phulaut and 33/11 KV PSS Kadiwa. Both PSS will connect with Chausa/Damrutola PSS. Therefore good quality power and better power availability GSS is required in Chausa area. Peak load of GSS Udakishunganj is 50 MW. The new proposed GSS Chausa will reduce around 20 MW load from GSS Udakishunganj. 132 KV line connectivity with proposed GSS Chausa has been proposed from GSS Udakishunganj (20 KM) and Upcoming GSS Bhawanipur (20 KM).

In light of above and increased demand of the area, 132/33 KV (2x80 MVA), Grid Sub-Station Chausa (District-Madhepura) has been proposed. This Grid Substation will improve the quality and reliability of the power supply in the area. It will shorten the length of the existing 33 kV lines; reduce technical losses, which will increase the overall efficiency of the power system. The proposed substation will also help maintain stable voltage levels during any power outages and shall provide the capacity needed to support the expected growth in power demand in the Madhepura district.

Details of work for proposed Grid Substation are as under:

- 1 Construction of 132/33 KV (2x80 MVA) , Grid Sub-Station Chausa (District- Madhepura)
- 2 Construction of 02 nos. of 132 KV Line bay at Upcoming 132/33 KV GSS Bhawanipur (District- Purnea)
- 3 Construction of 02 nos. of 132 KV Line bay at 132/33 KV GSS Udakishunganj (District-Madhepura)
- 4 Construction of 132 KV D/C Chausa- Udakishunganj Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM)
- 5 Construction of 132 KV D/C Chausa- Bhawanipur Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM)

Taken into consideration a proposal for the said work has been prepared.

Accordingly, an estimate for Construction of 132/33 KV (2x80 MVA) , Grid Sub-Station Chausa (District-Madhepura) along with Construction of 132 KV D/C Chausa- Udakishunganj Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM) , Construction of 132 KV D/C Chausa- Bhawanipur Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM), Construction of 02 nos. of 132 KV Line bay at Upcoming 132/33 KV GSS Bhawanipur (District- Purnea) & Construction of 02 nos. of 132 KV Line bay at 132/33 KV GSS Udakishunganj (District-Madhepura) has been prepared. The cost for the estimate has been taken from SOR 2024-25 of BSPTCL.

Schedule completion period for this work will be 18 (Eighteen) months from the date of issuance of Notification of Award (NOA).

The summary of the estimate are as detailed below:

Sl. No.	Scope of Work	Estimated Cost (In Rs.)
A	NEW SUBSTATION WORK	
1	Construction of 132/33 KV (2x80 MVA) , Grid Sub-Station Chausa (District-Madhepura)	66,21,61,192.03
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F	IDC 9 % on 80%	8,59,986.74
G	Total Cost of Project	120,72,30,273.87
H	Land cost (8 Acres land @ 1.5 Cr for GSS Chausa)	12,00,00,000.00
I	GRAND TOTAL (In Rs.)	132,72,30,273.87
H	GRAND TOTAL (In Rs. Cr)	132.72



BIHAR STATE POWER TRANSMISSION CO. LTD., PATNA
 (GST No. :- 10AAFCB2393H1Z1, CIN -U74110BR2012SGC01889)
 Head Office, Vidyut Bhawan, Bailey Road, Patna- 800021
 (Department of Project-I of BSPTCL)
 Email address- project1@bsptcl.bihar.gov.in / ce.trans664@gmail.com Mob. No.
 7763817701 Website- www.bsptcl.in

Tender Notice (NT) NO.- 38/PR/BSPTCL/2025

(Through e-procurement mode only -www.eproc2.bihar.gov.in)

Online-Tenders are invited by Chief Engineer(Project-I) for the following:-

Description of work	Estimated Cost (Rs.)	E.M.D. (Rs.)	Cost of B.O.Q.(Non-Refundable)(Rs.)	Bid Processing Fee (Rs.)	Completion period
Construction of 132/33 KV (2x80 MVA) , Grid Sub-Station Chausa (District-Madhepura) along with Construction of 132 KV D/C Chausa- Udakishunganj Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM) , Construction of 132 KV D/C Chausa-Bhawanipur Transmission Line with ACSR Panther Conductor (Line Length - 20 RKM), Construction of 02 nos. of 132 KV Line bay at Upcoming 132/33 KV GSS Bhawanipur (District- Purnea) & Construction of 02 nos. of 132 KV Line bay at 132/33 KV GSS Udakishunganj (District-Madhepura).	119.44 Cr	1 Crore	11,800	5900	18 (Eighteen) months from N.O.A.

Bid submission Start Date and Time	From 15:00 Hrs. of 24.06.2025
Date of Pre-bid meeting	On 11:00 Hrs. of 02.07.2025
Bid submission due Date and Time	Up to 17:00 Hrs. of 18.07.2025
Date of opening of Techno-Commercial Bid (Part-I):	After 16:00 Hrs. of 21.07.2025

विवादिक निष्पादन के लिए लोक अदालत काला भंडाई परस्पर सहमति से न्यायिक निर्णय प्राप्त कर समय एवं खर्च की वचन करें।

1. "Bid Processing Fee is mandatory to be paid through online mode i.e. Internet Payment Gateway (Credit/Debit Card), Net Banking, NEFT/RTGS".
2. The Cost of EMD may be paid through either Online or Offline mode. In case, Cost of EMD is opted to be paid through Offline mode, Bank Guarantee/Demand Draft for EMD in favor of "Accounts Officer, BSPTCL, Patna" must be submitted to Chief Engineer, Project-I, BSPTCL, Vidyut Bhawan I, Patna positively up to 18:00 Hrs. of 18.07.2025 failing which the tender shall be summarily rejected. For online submissions of Cost of EMD, bidder shall must submit details of intimation to this Office by 18:00 Hrs. of 18.07.2025
3. "Bid along with necessary online payments must be submitted through e-payment portal <https://eproc2.bihar.gov.in/> before the date & time specified in the NTT. The department doesn't take responsibility for the delay/ Non submission of Tender/ Non Reconciliation of online Payment caused due to Non-availability of Internet Connection, Network Traffic/ Holidays or any other reason".
4. Eligibility Criteria, tender documents along with General/Special condition, bids and any corrigendum/ addendum of the tender are available only at website www.eproc2.bihar.gov.in

Chief Engineer (Project-I)

E-tendering introduced in BSPTCL for tenders above Rs. 25 lacs. For registration log in to www.eproc2.bihar.gov.in and e-Procurement Help Desk Toll free No: 1800 572 6571 , Email Id: eproc2support@bihar.gov.in
 Working Hours: 8AM to 7PM (All days in week except few selected state holidays).
 While participating in e-tendering process, the contractor shall have to get them registered to get user ID, Passwords and digital signature. This will enable them to access the Website: www.eproc2.bihar.gov.in only.

Chief Engineer (Project-I)

Annexure-XXXVI



Bihar State Power Transmission Company Limited (BSPTCL)

Technical Sanction, NIT and Word Order

Name of the Work –

“Construction of IB Guest House at 132/33 KV GSS, Forbesganj”

GENERAL AND TECHNICAL REPORT

❖ Name of work	Construction of IB Guest House at 132/33 KV GSS Forbesganj.
❖ NIT No.	03/PR/BSPTCL/2024
❖ Name of Agency	M/s Tanisha Aunit Engicon Pvt. Ltd.
❖ Head	IRF (Capital), Civil Head

- This is regarding the work of construction of IB Guest House at 132/33 KV GSS, Forbesganj. This GSS is located on NH-57 in remote area and there is unavailability of proper accommodation facilities in this area. This GSS is also neighbouring GSS to GSS Araria, GSS Palasi and GSS Raghapur. During visit of higher officials, it is generally found that it is very difficult to stay in this area and the visiting officers have to face a lot of hardship during the official visits. Considering the necessity of IB in this area, IB at GSS Forbesganj.
- The IB comprises of 02 nos. bedroom, one suite room, living area, kitchen & dining area etc.
- The estimate of IB has been received from the office of SE (C), TCC, Purnea vide letter no. – 16, dt.- 26.12.2023 of amounting to Rs.54,07,474.00 (Rupees Fifty Four Lakh Seven Thousand Four Hundred Seventy Four) only. Received estimate has been checked on the basis of current SOR, BCD w.e.f. 01.01.2022, Electrical BCD, SOR w.e.f. 01.09.2023 & M.R. taken from GeM portal. The checked estimated cost is coming out to be Rs. 53,53,676.00 (Rupees Fifty Three Lakh Fifty Three Thousand Six Hundred Seventy Six) only. The estimation includes RCC framed structure for building, PHE work, Internal Electrification, Approach road, landscaping, A.C. Geyser, Refrigerator, T.V., R.O. water purifier, etc.
- Financial concurrence to the tune of Rs. 53,53,676.00 has been accorded under IRF (Capital), Civil Head and subsequently technical sanction of the said work has been accorded by Chief Engineer (Civil).
- Administrative approval and permission of tendering for the said work has been accorded by MD, BSPTCL.
- Tender for the aforesaid work has been invited vide NIT No.- 03/PR/BSPTCL/2024. Post tendering the work was awarded to L-1 bidder i.e. M/s Tanisha Aunit Engicon Pvt. Ltd., Patna vide W.O. No.- 16, dated- 15.03.2024.

Nishant Naveen
25.07.24

Assistant Engineer (Civil)

25.07.24

Executive Engineer (Civil)

28.07.24

Superintending Engineer (Civil)

29.09.24

Chief Engineer (Civil)

Technical Report

The estimate amounting to Rs ^{53,53,961/-} ~~54,07,474/-~~ (Rupees Fifty ^{Three} ~~Four~~ Lakh ^{Fifty Three} ~~Seven~~ Thousand ~~Four~~ Hundred Seventy ~~Four~~) only has been framed to meet the expenditure for the construction of IB Guest house work at 132/33kV GSS Forbesganj.

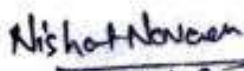
As per instruction given by higher authority, BSPTCL, Patna estimate has been prepared for the work of construction of IB Guest House at 132/33KV GSS, Forbesganj. As this GSS is located on NH-57 and area is remote and non availability of Hotel in this area and this GSS is connected with all nearby GSS's Araria & Palasi & Raghopur etc. During visit of Higher Officers, It seems to be very difficult to stay in this area. Therefore, it is very necessary to construct IB Guest house in this GSS.

The estimate comprises of following main works-

- i. Earth work
- ii. Supplying and filling local sand
- iii. Providing designation 100A one brick flat soling
- iv. P.C.C, R.C.C & D.P.C.
- v. Brick work
- vi. Provision of Cement plaster
- vii. White cement based putty
- viii. Distemper and painting
- ix. Tiles works
- x. Septic Tank, soak pit, water supply & sanitary items, etc.
- xi. GSB and PCC for approach road and landscaping
- xii. Internal Electric Installation work
- xiii. Furniture and crockery work

The Rate of Items from The Schedule of Rates, Govt. of Bihar (BCD-CIVIL) effective from 01-01-2022 and SOR Electrical effective from 01-09-2023 have been adopted to frame this estimate.

It is requested that technical sanction of the estimate may please be accorded at the earliest, so that needful action of execution for the work may be taken.


22/12/23
Junior Engineer (CIVIL)
Transmission Civil Division
Kishanganj


22/12/23
Assistant Engineer (Civil)
Transmission Civil Division, Kishanganj


Executive Engineer (Civil)
Transmission Civil Division
Kishanganj

BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

Name of zone : Transmission Zone, Bhagalpur

Name of Circle : Transmission Civil Circle, Purnea

Name of Division : Transmission Civil Division, Kishanganj

Name of work : Estimate for the construction of IB Guest house work at 132/33kV
GSS Forbesganj.

Arm of head : Civil

Estimated cost : ~~Rs. 5407474/-~~ ^{53,53,676/-} (Rupees Fifty Three Lakh Seven Thousand Four
Hundred Seventy Six Only.)

Nishant Navar
22/12/23
Junior Engineer (CIVIL)
Transmission Civil Division
Kishanganj

Megha Sharma
26/12/2023

[Signature]
22/12/22
Assistant Engineer (Civil)
Transmission Civil Division, Kishanganj

Ravi Rajan
28/12/23
Executive Engineer (Civil)
Transmission Civil Division
Kishanganj

[Signature]
26/12/23

[Signature]
27/12/23

[Signature]
28.12.23
EEM, HQ.

[Signature]
28/12/23

Technically approved for Rs. 53,53,676/- (Rupees Fifty Three Lakh
Fifty Three Thousand Six Hundred Seventy Six) only.

[Signature]
12.07.24
(F.L.)

Technically sanctioned for Rs. 53,53,676/- (Rupees Fifty Three
Lakh Fifty Three Thousand Six Hundred Seventy Six) only.

[Signature]
23.07.24
(F.L.)

Summary		
SL NO.	Item Description	Amount
1	CIVIL& PHE Work	4196046.37
2	Electrical Work	2,77,706.00
3	Furniturs	3,64,782.00
4	Electrical appliances	3,65,845.00
5	Kitchen Items	35,597.00
6	Approach road and Landscaping	167498.04
	Total cost:-	54,07,474.41
	SAY <u>Three</u> <u>Fifty</u> <u>Three</u> <u>Six</u>	54,07,474
Rupees :- Fifty Four Lakh Seven Thousand Four Hundred Seventy Four Only.		

Nishat Naveen
22/12/23
Junior Engineer (CIVIL)
Transmission Civil Division
Kishanganj

22/12/23
Assistant Engineer (Civil)
Transmission Civil Division, Kishanganj

Ravi Ranjan
22/12/23
Executive Engineer (Civil)
Transmission Civil Division
Kishanganj

Megha Sinastal
26.12.2023

27.12.23

28.12.23
EEM.HQ



Bihar State Power Transmission Company Limited, Patna

(Regd. office: Vidyut Bhawan, Bailey Road, Patna)

GST No.: 10AAFC32393111Z1, CIN- U74110BR2012NC018887

small- civil.dept@bsptcl.bihar.gov.in Contact No : 7763817981, 9264427334

(Department of Civil of BSPTCL.)

NOTICE INVITING TENDER

NIT No:- 03/PR/BSPTCL/2024

(Through e - procurement mode only- www.eproc2.bihar.gov.in)

Online e-Tenders are invited by Chief Engineer (Civil) from eligible and experienced Agency/ Firm/ Company/ State or Central Govt. undertaking for the works noted below-

Sl. No.	Name of Work	Estimated Cost	E.M.D	Cost of BOQ (Non-refundable)	Completion time
1.	Construction of IB Guest House at 132/33 KV GSS, Forbesganj.	Rs.53,53,676/-	Rs. 1.07,100/-	Rs. 5,900/-	09(Nine) months

Bid submission start date and time:-	From 15:00 Hrs of 16.02.2024 through website www.eproc2.bihar.gov.in
Bid submission end date and time:-	On 15:00 Hrs of 12.03.2024 through website www.eproc2.bihar.gov.in
Date of opening of Technical Part:	After 15:30 Hrs of 12.03.2024 through website www.eproc2.bihar.gov.in
Date of opening of price part:	To be notified after Technical Bid Evaluation through website www.eproc2.bihar.gov.in

1. BG will be deposited as cost of EMD in favour of Senior Manager (Finance & Accounts), BSPTCL payable at Patna or through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna.
2. Bid processing fee is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSEDCL, Patna.
3. Cost of BOQ is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna.
4. The estimated cost, EMD & Cost of BOQ of the above mentioned works may vary.
5. All original BG/ Acknowledgement receipt of e-payment of EMD & BOQ shall be submitted in the office of Chief Engineer (Civil), BSPTCL, 4th floor, Vidyut Bhawan, Patna up to 15:00 Hrs of 12.03.2024
6. The authority reserves the right to cancel the bid at any stage without assigning any reasons thereof.
7. The department doesn't take any responsibility for the delay/non-submission of tender/non-reconciliation of online payment caused due to non-availability of internet connection, network traffic/holidays or any other reasons.
8. Bidder should have valid GST and all other applicable tax registration certificate and copies of the same duly attested shall be furnished.
9. The tender documents along with General/special condition, bids and any corrigendum/ addendum of the tender are available only at website www.eproc2.bihar.gov.in.

Sd/-
Chief Engineer (Civil)
BSPTCL

For complains regarding corruption Vigilance Help Line toll free No.- 1064, and telephone -0612-2232630. Consumer can deposit electricity bills via Sahaz Vasudha Centre or via www.northbiharibills.org & bills.sbpdc.in

e-tendering introduced in BSPTCL for tenders above Rs. 10 lacs. For registration logon to www.eproc2.bihar.gov.in and e - procurement Help Desk Toll free no. 1800 572 6571, Email id: eproc2support@bihar.gov.in

Memo No.- 46 /CE(C)/Trans/1275/2023

Dated : 23/01/2024

Copy forwarded to GM (HR & Admn.), BSPTCL for publication in leading news papers / DBA (IT), BSPTCL, Patna for uploading the tender notice on BSPTCL website/ A.O.(Tender), BSPTCL for information and necessary action.

23.1.24
Chief Engineer (Civil)
BSPTCL



BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

A subsidiary company of Bihar State Power (Holding) Company Ltd. Patna
CIN: 1774115508201250X018000
(SAVE ENERGY FOR BENEFIT OF SELF AND NATION)
Head Office, Vajrat Bhawan, Bailey Road, Patna-800021
Email: stcl.bihar@bptcl.bihar.gov.in Website: www.bstcl.in

Work Order No. 16 / CIVIL,
CE(CY)Trans./1275/2023

Dated 15/03/2024

From, Anjali Kumar,
Chief Engineer (Civil)

To, M/s Tanisha Aunit Engicon Pvt Ltd,
Anand Palace, 3rd floor, cant khagaul road,
Danapur, Patna-801105

Sub: - Work order for "Construction of IB Guest House at 132/33 KV GSS, Forbesganj."

Ref:- NIT- 03/PR/BSPTCL/2024.

Sir,
With reference to the above, the undersigned is pleased to place an order with you for the above work on the terms and conditions enumerated below: -

1. **Scope of work:-** Construction of IB Guest House at 132/33 KV GSS, Forbesganj.
2. **Value of work :-** The value of the above work is Rs. 44,51,165.31 (Rupees Forty Four Lac Fifty One Thousand One Hundred Sixty Five and Paise Thirty One) only which has been quoted against the estimated cost i.e. Rs.53,53,676/- (Rupees Fifty Three Lac Fifty Three Thousand Six Hundred Seventy Six) only. The above cost is including GST @ 18% and other taxes etc.
3. **Quoted rate:-** Rate shall be your quoted rate for non SOR items and 16.87% Below (Sixteen point Eight Seven percent below) the estimated cost for SOR items.
4. **Security deposit:-** You will have to pay security deposit 10% of the work value out of which you have already deposited Rs.1,07,100/- as EMD vide Transaction no.-11000209451827, Dt-11.03.2024. You have to deposit remaining amount Rs.1,15,460/- only as initial security deposit through DD/BG in favour of Senior Manager (F&A), BSPTCL, Patna before execution of agreement. The balance amount 5% of the work value will be deducted from the running bills.
5. **Additional performance guarantee:-** You have to submit additional performance guarantee amounting Rs.3,61,435/- (Rupees Three Lac Sixty One Thousand Four Hundred Thirty Five) only in in form of DD/BG in favour of Sr. Manager (F&A), BSPTCL, Patna before execution of agreement. The additional performance guarantee shall be released after completion of the work.
6. **Release of security deposit:-** The security deposit shall be returned after completion of defect liability period after getting certificate from Engineer-In-Charge in the prescribed format on the request of the contractor that the work been completed as per drawing and specification.
7. **Completion time:-** 09 (Nine) months from the date of issue of work order or the handover of site, whichever is later.
8. **Defect liability Period:-** Defect liability period shall be 06 (Six) months after completion of work.
9. **Terms of payment:-** The paying authority will be Sr. Manager (F&A), BSPTCL, Patna. The bill in triplicate shall be prepared by concerned J.E (Civil), checked by AE (C) & EE(C) and it will be forwarded to Sr. Manager (F&A), BSPTCL, Patna for payment & with an information to SE(Civil), HQ Patna. The bill shall also be entered in service entry sheet in SAP module.
10. **Work-in-charge:-** Work-in-charge for this work shall be SE (Civil), transmission civil circle, Purnea & EE (Civil), transmission civil division, Kishanganj at circle and division level respectively.
11. **Agreement:-** You have to execute an agreement on F-2 within 15 (fifteen) days of issue of work order.

P.T.O.

12. Test reports pertaining to brickwork, RCC, PCC etc. as applicable shall be submitted along with the bills.
13. General terms and condition: - All the terms and conditions enumerated in agreement & tender document will apply for carrying out this work and contract.
14. This work order or its amendment, if any, will form a part of the agreement. All taxes shall be applicable and deducted as per rule.
- The receipt of the acceptance may please be sent to this office immediately.

Yours Faithfully,

(Anjan Kumar)
Chief Engineer (Civil)

Memo No. 154 Patna,

Dated 15/03/2024

Copy forwarded to :- GM (F&A), BSPTCL, Patna /ESE, Trans. Circle, Purnea/ SE (C), Transmission Civil Circle, Purnea/ Sr. Manager (F&A), BSPTCL, Patna/ EE (C), Transmission Civil Division, Kishanganj for information and necessary action.

(Anjan Kumar)
Chief Engineer (Civil)

dc

Annexure-XXXVII



Bihar State Power Transmission Company Limited (BSPTCL)

Technical Sanction, NIT, Word Order and essentials

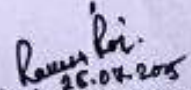
Name of the Work –

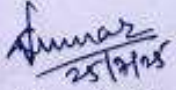
“Construction of Control Room Building at 220/132/33 KV GSS Biharsharif”

GENERAL AND TECHNICAL REPORT

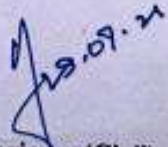
❖ Name of work	Construction of Control Room Building at 220/132/33 KV GSS Biharsharif.
❖ NIT No.	04/PR/BSPTCL/2023
❖ Name of Agency	M/s Jai Bajrang Construction
❖ Head	IRF (Capital), Civil Head

- This is regarding the work of construction of Control Room Building at 220/132/33 KV GSS Biharsharif for renovation & up gradation of protection & control system under PSDF scheme. It is pertinent to mention here that there is a requirement to construct new CRB as the existing CRB is already cramped & is unable to accommodate the new panels to be installed by GE, T&D India Ltd. under PSDF Scheme. Further, it came into light that 220 KV Transmission lines have been proposed having 220/132 KV GSS Biharsharif at one of the remote end. In this regard, ESE, TC, Biharsharif has proposed the Construction of new control room building. In this regard, a committee was constituted to decide location and size of the proposed new control room building. The Committee has submitted the layout for proposed new control room building. P&E Wing eventually finalized the layout. Biharsharif has also submitted the feasibility of layout plan of ground floor and first floor of the proposed control room building at GSS Biharsharif for accommodation of all proposed panel, Battery bank, Battery charger and other items.
- The estimation of CRB has been received from the office of SE (C), TCC, Patna vide Letter no. – 11 dt.- 16.01.2020 amounting to Rs.4,20,77,900/- (Rupees Four Crore Twenty Lakh Seventy Seven Thousand Nine Hundred) only. Received estimate has been checked on the basis of current SOR, BCD,GoB w.e.f. 01.01.2022 and vide Agreement No. SBD/CE(C)/Trans./48/2016-17, Dt.- 13.03.2017. The checked estimated cost is coming out to be Rs. 4,29,28,600/- (Rupees Four Crore Twenty Nine Lakh Thirty Eight Thousand Six Hundred) only. The estimation includes Civil work, Cable trench, PHE Work, Electrical Illumination and fire detection system, etc. The estimation cost is inclusive of GST @18%, contingency @ 3% and consultancy @ 3.5%.
- Technical sanction of the said work has been accorded by Chief Engineer (Civil) and subsequently financial concurrence to the tune of Rs. 4,29,28,600/- has been accorded under IRF (Capital), Civil Head.
- Administrative approval and permission of tendering for the said work has been accorded by MD, BSPTCL.
- Tender for the aforesaid work has been invited vide NIT No.- 04/PR/BSPTCL/2023. Post tendering the work was awarded to L-1 bidder i.e. M/s Jai Bajrang Construction, Patna vide W.O. No.- 08, dated- 17.04.2023.


25.04.2023
Assistant Engineer (Civil)


25/04/23
Executive Engineer (Civil)


25/04/23
Superintending Engineer (Civil)


25.04.23
Chief Engineer (Civil)

GENERAL & TECHNICAL REPORT

The Tentative estimate amounting to Rs. 4,20,77,900/- (Rupees Four Crore Twenty Lakh Seventy Seven Thousand nine Hundred) Only has been framed to meet the expenditure for construction of double storied control room building including electrical illumination & fitting , fire detection and cable trench at GSS, Biharsharif. There is a requirement to construct a new control room building at GSS Biharsharif because of the inclusion of new panels due to the construction of new bays. The existing control room building will not able to accommodate these new panels. So, in view of this and as per direction of higher authorities estimate of new control room building for 220/132/33 KV GSS Biharsharif has been prepared. This estimate has been made without any approved design and drawing. So, the aforesaid estimated cost is tentative and liable for variation after detail engineering design and drawing. While framing the estimate rates has been adopted as per current SOR BCD, Government of Bihar effective from 27.09.2018.

May kindly sanction the estimate as early as for take up the work.

J.E.(C)

Audhin Kumar
16/01/2020
A.E.(C)

[Signature]
16/01/2020
S.E.(C)

ESTIMATE FOR CONSTRUCTION OF CONTROL ROOM BUILDING AT 220/132/33 KV GSS BIHARSHARIF BASED ON CURRENT SOR, BCD, GOB W.E.F. 01.01.2022		
SUMMARY		
Sl. No.	Description	Amount (in Rs.)
1	Civil work (Part-A)	2,97,72,750.00
2	Cable trench (Part-B)	13,82,461.00
3	PHE Items (Part-C)	14,26,347.00
4	Electrical Illumination and fire detection system (Part-D)	77,64,850.00
	Total (A+B+C+D)	4,03,46,408.00
	Contingency @ 3 % and Consultancy charge @3.50%	25,82,170.11
	Total	Rs. 4,29,28,578.10
	Say	Rs. 4,29,28,600.00
(Rupees Four Crore Twenty Nine Lakh Twenty Eight Thousand Six Hundred) only		

04/01/2023
 Shrawan Kumar
 Junior Engineer (Civil)
 BSPTCL
 04/01/2023
 Amar Singh Kumar
 A.E. (C), B.S.P.T.C.L.
 04/01/2023
 KUMAR ANAND
 EE (CIVIL)
 BSPTCL
 04/01/2023
 Kumar Chaitanya
 SE (C), BSPTCL

Revised Technically approved for Rs. 4,29,28,600.00 (Rupees Four Crore Twenty Nine Lakh Twenty Eight Thousand Six Hundred) only.

Technically sanctioned for Rs = 4,29,28,600.00 (Rs.:- Four
 Crore Twenty nine Lakh twenty eight thousand six hundred) only.

04/01/2023
 ANJANI KUMAR
 CE (CIVIL)
 BSPTCL

11.01.2023
 C.E. (C)



Bihar State Power Transmission Company Limited, Patna

(Regd. office: Vidyal Bhawan, Bailey Road, Patna)

GST No.: 10AAFCB239311121, CIN- U74110BR2012SO0018889

Email: civil_dept@bspcl.bihar.gov.in, Contact No: 7763817981, 9264427334

(Department of Civil of BSPTCL)

NOTICE INVITING TENDER

NIT No.: 04/PR/BSPTCL/2023

(Through e - procurement mode only- www.eproc2.bihar.gov.in)

Online e-Tenders are invited by Chief Engineer (Civil) from eligible and experienced Agency/ Firm/ Company/ State or Central Govt. Undertaking for the works noted below-

Sl. No.	Name of Work	Estimated Cost	E.M.D	Cost of BOQ (Non-refundable)	Completion time
1.	Construction of Control Room Building at 220/132/33 KV GSS Biharsharif.	Rs. 4,15,56,800/-	Rs. 8,31,200/-	Rs. 11,800/-	12(Twelve) months

Bid submission start date and time:- From 15:00 Hrs of 30.01.2023 through website www.eproc2.bihar.gov.in

Bid submission end date and time:- On 15:00 Hrs of 20.02.2023 through website www.eproc2.bihar.gov.in

Date of opening of Technical Part:- After 15:30 Hrs of 20.02.2023 through website www.eproc2.bihar.gov.in

Date of opening of price part:- To be notified after Technical Bid Evaluation through website www.eproc2.bihar.gov.in

1. BG will be deposited as cost of EMD in favour of Senior Manager (Finance & Accounts), BSPTCL payable at Patna or through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna.
2. Bid processing fee is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna.
3. Cost of BOQ is to be paid through online mode i.e. Internet payment gateway (Credit/debit), Net banking, NEFT/RTGS to BSPTCL, Patna.
4. The estimated cost in BOQ, EMD & Cost of BOQ of the above mentioned works may vary.
5. All original BG Acknowledgement receipt of e-payment of EMD & BOQ may be submitted in the office of Chief Engineer (Civil), BSPTCL, 4th floor, Vidyal Bhawan, Patna up to 15:00 Hrs of 20.02.2023.
6. The authority reserves the right to cancel the bid at any stage without assigning any reasons thereof.
7. The department doesn't take any responsibility for the delay/non-submission of tender/non-reconciliation of online payment caused due to non-availability of internet connection, network traffic/holidays or any other reasons.
8. Bidder should have valid GST and all other applicable tax registration certificate and copies of the same duly attested shall be furnished.
9. The tender documents along with General/special conditions, bids and any corrigendum/ addendum of the tender are available only at website www.eproc2.bihar.gov.in.

Chief Engineer (Civil)
BSPTCL

For complains regarding corruption Vigilance Help Line toll free No.- 1064, and telephone -0612-2232630. Consumer can deposit electricity bills via Sahaz Vasudha Centre or via www.northbiharbills.org & bills.sbpcl.in

E-tendering introduced in BSPTCL for tenders above Rs. 10 lacs. For registration login to www.eproc2.bihar.gov.in and e - Procurement Help Desk Toll free no. 1800 572 6571, Email Id: eproc2support@bihar.gov.in

Memo No.: 15/...../E-Trans./O&M/Misc-03/2017/CEC/700/1197/2023.
Copy forwarded to GM (HR & Admn.), BSPTCL for publication in leading news papers / DBA (IT), BSPTCL, Patna for uploading the tender notice on BSPTCL website/ A.O.(Tender), BSPTCL for information and necessary action.

Dated: 11/01/2023.

Chief Engineer (Civil)
BSPTCL



BIHAR STATE POWER TRANSMISSION COMPANY LIMITED

A subsidiary company of Bihar State Power (Holding) Company Ltd. Patna
CIN-1741000R2012NG0008889

(SAVE ENERGY FOR BENEFIT OF SELF AND NATION)

Head Office: Vishva Bhawan, Bailey Road, Patna-800021

Email address: civildept@bptcl.bihar.gov.in

Website: www.bptcl.in

Work order no. 08
C/E(C) Trans/1197/2023 CIVIL.

Dated 17/04/2023

From:

Anjani Kumar
Chief Engineer (Civil)

To

M/s Jai Bajrang Construction,
Vill.-Parwa, Nokha, Rohtas-802215.
Email.- bajrangsingh869@gmail.com

Sub: - Work order for "Construction of Control Room Building at 220/132/33 KV GSS Biharsharif."

Ref: - (i) NIT No- 04/PR/BSPTCL/2023.
(ii) Your letter dt. - 10.04.2023.

Sir,

With reference to the above, undersigned is pleased to place an order with you for the above work on the terms and conditions enumerated below:-

1. **Scope of work:** - Construction of Control Room Building at 220/132/33 KV GSS Biharsharif.
2. **Value of work:** - The value of the above work is Rs. 3,74,07,008/- (Three Crore Seventy Four Lacs Seven Thousand Eight) only which has been quoted against the final estimated cost i.e. Rs. 4,15,56,800/- (Four Crore Fifteen Lacs Fifty Six Thousand Eight Hundred) only. The above cost is including GST @ 18% and other taxes etc.
3. **Quoted Rate:** - Your quoted rate is 10% (Ten percent) below the estimated cost.
4. **Security Deposit:** - You had to submit total Security Deposit @ 10% of the work value out of which already deposited EMD vide UTR/ Remittance No. - BKIDH23048847224, dt.-17.02.2023 of Rs. 8,31,200/- (Eight lacs Thirty One Thousand Two Hundred) only has been accepted for a 2% of order value i.e. Rs. 7,48,140/- (Seven lacs Forty Eight Thousand One Hundred Forty) only as Performance Security on your request. Balance 8% will be deducted from your running bills.
5. **Release of Security deposit:** - On completion of the whole of the work, half of the total amount of security shall be repaid to the contractor after six months of completion. However, the balance half of the total amount of security will be returned after completion of defect liability period and after the Engineer-in-charge has certified that all defects notified by him to the contractor before the end of this period have been corrected and also after recovery of any dues.
6. **Completion time:** - 12 (Twelve) Months from the date of issue of work order or the handover of site, whichever is later.
7. **Defect Liability Period:** - Defect liability period shall be 03 (Three) years after completion of work.

P.T.O.

8. **TERMS OF PAYMENT:** - The paying authority will be Sr. Manager (F&A), BSPTCL, Patna. The bill in triplicate shall be prepared by concerned J.E (Civil), checked by AE (Civil) & EE(Civil) and it will be forwarded to Sr. Manager (F&A), BSPTCL, Patna for payment & with an information to SE(Civil), HQ Patna. The bill shall also be entered in service entry receipt in SAP module.
9. **Work-in-Charge:** - Work-in-charge for this work shall be EE (Civil), Transmission Civil Division, Biharsharif and SE (Civil), Transmission Civil Circle, Patna at Division and Circle level respectively.
10. **Agreement:** - You have to execute an agreement within 15(Fifteen) days of issue of work order.
11. Test reports and checklist pertaining to brickwork, RCC, PCC etc. as applicable, shall be submitted along with the bills.
12. **General Terms and condition:** - All the terms and condition enumerated in agreement & tender document shall apply for carrying out this work and contract.
13. This work order or its amendment, if any, will form a part of the agreement. All taxes shall be applicable and deducted as per rule.
- The receipt of the acceptance may please be sent to this office immediately.

Yours faithfully,

(Anjani Kumar)
Chief Engineer (Civil)

Memo No 162 / Patna

Dated 17/04/2023

Copy forwarded to:- GM (F&A), BSPTCL Patna/ ESE, Transmission Circle, Biharsharif / SE(C), Transmission Civil Circle, Patna / Sr. Manager (F&A), BSPTCL/ EE (C), Transmission Civil Division, Biharsharif for information and necessary action.

(Anjani Kumar)
Chief Engineer (Civil)

Proceeding of Special Technical Committee- Meeting of Bihar State Power Transmission Company Limited, Patna held on 17.06.2025 in the office of CE(Civil), BSPTCL.

Present: -

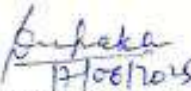
- | | | |
|--|---|--------|
| (i) Sri Anjani Kumar, CE(Civil), BSPTCL. | - | Member |
| (ii) Sri Deepak Kumar, CE(Civil), NBPCL. | - | Member |
| (iii) Sri Rambaboo Singh, CE(O&M), BSPTCL. | - | Member |

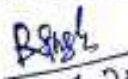
Agenda for approval of deviation of 19.54% for the work of construction of control room building at 220/132/33 KV GSS, Biharsharif against NIT-No.- 04/PR/BSPTCL/2023.

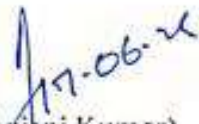
The Agenda was discussed in detail and being satisfied with the reasons of deviation. The STC recommends the deviation of 19.54% for the work of construction of control room building at 220/132/33 KV GSS, Biharsharif against NIT-No.- 04/PR/BSPTCL/2023 due to following reasons: -

- (i) Initially the estimation was done for an estimated cost of Rs.4,29,28,600 /- and the bid was invited accordingly.
- (ii) After the detailed design and engineering quantities of major civil items such as RCC, Reinforcement, Structural steel etc have increased. Subsequently the work value changed from Rs 3,74,07,008.00/- to Rs. 4,47,17,810.00/-

Hence, due to the above justifiable reasons deviation of 19.54% may be approved.


17.06.2025
(Deepak Kumar)
Chief Engineer (Civil)


17.06.2025
(Rambaboo Singh)
Chief Engineer (O&M)


17.06.25
(Anjani Kumar)
Chief Engineer (Civil)

NAME OF THE PROJECT : Construction of Control Room Building at 220/132/33 KV GSS Biharshahd														
S.No.	JOB NO. DESCRIPTION OF ITEM	QTY	UNIT	As per Agreement			2nd Amendment			3rd Amendment			Difference	
				RATE	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	DIFF. in QTY	DIFF. in amount	Percentage		
Foundation/Footing														
1	Excavation of soil	1274.5	Cum	340.7	435712.15	1859.13	647341.891	1859.13	647341.891	574.63	203629.741	45.17		
2	Local sand filling	69.8	Cum	324	22615.2	320.64	103823.36	320.64	103823.36	250.84	81208.16	424.68		
3	Brick fill within	465.36	Sqm	283.3	131830.688	834.65	236456.345	413.2	117055.56	-55.16	-14716.928	-11.31		
4	RCC (1:1.5:1)	34.0	Cum	2975.2	101154.48	38.6	114887.72	36.97	110777.984	-45.02	-13641.504	-129.10		
5	Providing and laying in position machine batched and machine mixed design mix M-25 grade concrete for reinforced concrete work, using cement content as per approved design mix, including priming of concrete on size of laying bed excluding the cost of concreting, shuttering, finishing and including initial setting of concrete, improve workability without impairing strength and adhesion in recommended proportions as per IS 9103 to accelerate, workability, durability as per direction of Engineer-in-charge. Note - Cement content considered in this item is @ 110 kg/cum. Excess of less concrete used as per design mix is payable or recoverable separately. All work above Plinth level upto floor V Level.	197.92	Cum	3863.3	116444.544	197.92	116444.544	197.92	116444.544	0	0	0.00		
6	Concrete, B, shuttering	23.84	Sqm	211.6	50424.544	115.39	24410.524	115.39	24410.524	41.55	8791.58	36.27		
7	Supplying and filling in plinth with local sand and under floors including, watering, ramming, consolidating and finishing, complete	7.49	Sqm	267.7	2011.877	7.49	2011.877	7.49	2011.877	0	0	0.00		
8	Providing and laying in position machine batched and machine mixed design mix M-25 grade concrete for reinforced concrete work, using cement content as per approved design mix, including priming of concrete on size of laying bed excluding the cost of concreting, shuttering, finishing and including initial setting of concrete, improve workability without impairing strength and adhesion in recommended proportions as per IS 9103 to accelerate, workability, durability as per direction of Engineer-in-charge. Note - Cement content considered in this item is @ 110 kg/cum. Excess of less concrete used as per design mix is payable or recoverable separately. All work up to plinth level.	82.75	Sqm	283.3	23443.015	82.75	23443.075	82.75	23443.075	0	0	0.00		
9	Providing and laying in position machine batched and machine mixed design mix M-25 grade concrete for reinforced concrete work, using cement content as per approved design mix, including priming of concrete on size of laying bed excluding the cost of concreting, shuttering, finishing and including initial setting of concrete, improve workability without impairing strength and adhesion in recommended proportions as per IS 9103 to accelerate, workability, durability as per direction of Engineer-in-charge. Note - Cement content considered in this item is @ 110 kg/cum. Excess of less concrete used as per design mix is payable or recoverable separately. All work up to plinth level.	7.49	Sqm	2975.2	22294.248	16.47	48901.544	16.47	48901.544	-8.98	-21112.296	-110.80		
10	Providing and laying in position machine batched and machine mixed design mix M-25 grade concrete for reinforced concrete work, using cement content as per approved design mix, including priming of concrete on size of laying bed excluding the cost of concreting, shuttering, finishing and including initial setting of concrete, improve workability without impairing strength and adhesion in recommended proportions as per IS 9103 to accelerate, workability, durability as per direction of Engineer-in-charge. Note - Cement content considered in this item is @ 110 kg/cum. Excess of less concrete used as per design mix is payable or recoverable separately. All work above Plinth level upto floor V Level.	97.92	Sqm	5863.4	4,93,808.13	204.56	1,14,699,904	204.56	1,14,699,904	168.64	65,181,776	172.22		
11	Providing and laying in position machine batched and machine mixed design mix M-25 grade concrete for reinforced concrete work, using cement content as per approved design mix, including priming of concrete on size of laying bed excluding the cost of concreting, shuttering, finishing and including initial setting of concrete, improve workability without impairing strength and adhesion in recommended proportions as per IS 9103 to accelerate, workability, durability as per direction of Engineer-in-charge. Note - Cement content considered in this item is @ 110 kg/cum. Excess of less concrete used as per design mix is payable or recoverable separately. All work above Plinth level upto floor V Level.	316	Sqm	5863.2	1,85,271.20	833.43	1,14,699,904	833.43	1,14,699,904	201.2	1,19,697,987	63.72		
12	Reinforcement for R.C.C. work including unslashing, cutting, bending, placing in position and binding all complete.										494,110			

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No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	RMF % QTY	RMF Amount	Percentage
a	Mild steel 8.0 mm dia	10230	KG	97.1	993420	24928.68	2418632.828	46312.40	4498876.465	36132.40437	3528456.465	354.24
b	Thermo-Mechanically Treated bars TMTC-500-12mm dia	40230	KG	90.8	3650160	3416.28	310166.224	4094.03	445285.798	-35295.97159	-3204874.202	-87.80
c	Thermo-Mechanically Treated bars TMTC-500-16mm dia	11400	KG	91.7	1045380	24108.11	2265731.687	24241.91	2232155.415	12941.91292	1186773.415	113.53
d	Thermo-Mechanically Treated bars TMTC-500-20mm dia	11000	KG	91.7	1009210	9551.95	875913.815	9551.95	875913.815	-1748.09255	-160206.4143	-15.47
e	Thermo-Mechanically Treated bars TMTC-500-25mm dia	10200	KG	91.7	1660940	15817.11	1450428.987	15678.22	1451692.55	-2571.76244	-231241.6497	-15.86
13	Centering and shoring including draining, propping etc and removal of form for									0	0	
a	Foundations, footings, bases of columns etc. for main structure	139.5	sqm	211.6	29518.2	144.14	30580.024	144.14	30590.024	4.64	981.824	3.31
b	Columns, Pillars, Piers, Abutments, Piers and Spills	563.6	sqm	494.4	279617.64	841.98	416274.912	841.98	416274.912	276.38	136442.272	48.86
c	Suspended floors, roofs, landings, balconies and access platforms with water proof ply 12 mm thick	1550.87	sqm	544.6	844603.802	1974.13	1075111.198	1974.13	1075111.198	423.26	230507.794	27.29
d	Landings, beams, plinth beams, girders, brunnaceous anti-tiltbeams with water proof ply 12 mm thick	1599.8	sqm	518.9	830116.22	1774.52	920798.428	1774.52	920798.428	174.72	90663.208	10.92
14	Brick work with fly ash bricks as per IS 12894/2002 (M.S. 3405 in foundations and plinth in - Cement mortar 1:6 (1 cement: 6 coarse sand))	1250	cum	4923	1723050	298.31	1468580.13	298.31	1468580.13	-51.69	-254409.87	-14.77
15	Earth for Brick work in superstructure above plinth level upto floor level	350	cum	842.2	294770	298.31	251256.682	298.31	251256.682	-51.69	-43553.318	-14.77
16	15 mm cement plaster on rough side of angle or half brick wall of m/s. 1:4 (1 cement: 4 coarse sand)	3797.63	sqm	176.4	669961.932	4587.38	809249.112	4587.38	809249.112	789.95	139347.18	20.89
17	6 mm cement plaster to ceiling of m/s. 1:3 (1 cement: 3 coarse sand)	1675.34	sqm	131.3	219972.142	2157.26	283548.218	2157.26	283248.238	481.92	63276.096	28.77
18	Applying one coat of cement primer of approved brand and manufacturing on wall surface. Cement primer	5472.97	sqm	38.6	211256.642	0	0	0	0	-5472.97	-211256.642	-100.00
19	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	5472.97	sqm	105.4	575851.058	6744.84	710966.136	6744.84	710966.136	1271.87	134055.098	21.24
20	Wall painting with plastic emulsion paint of approved brand and manufacturer to give an even shade. Two or more coats on new work	5472.97	sqm	86.4	472644.638	0	0	0	0	-5472.97	-472644.638	-100.00
21	Finishing walls with retained exterior paint of required shade. New work (Two or more coats applied @ 1.28 lit/10 sqm) over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm	60	sqm	215.2	12912	0	0	0	0	-60	-12912	-100.00
22	Providing and fixing ISI marked oxidized MS door latches conforming to IS: 5930 with screws etc. complete. 300x25x6 mm	29	Each	76.9	2230.1	84	6459.6	84	6459.6	55	4229.5	189.66
23	Providing and fixing ISI marked oxidized M.S. handles conforming to IS: 4992 with necessary screws etc. complete. 125mm	28	Each	32.4	1879.2	84	2721.6	84	2721.6	26	842.4	44.83
24	Supplying and fixing rolling shutters of approved make made of required size of M.S. laths inter locked together through their main length and joined together at the end by end locks mounted on specially designed shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete including the cost of providing and fixing necessary 27.5 mm long wire springs grade no. 2 and M.S. top cover of required thickness for rolling shutters 80x125mmxM.S. Laths with 1.25mm thick top cover	7.5	sqm	1108.7	8315.25	8.1	8980.47	8.1	8980.47	0.6	667.22	8.00
25	Applying one coat of cement primer of approved brand and manufacturer on wall surface. Cement primer	1436.4	sqm	38.6	55445.04	0	0	0	0	-1436.4	-55445.04	-100.00
26	Applying one coat of cement primer of approved brand and manufacturer on wall surface. Datascape primer	5612.7025	sqm	38.7	217215.0698	5272.8	204057.36	5272.8	204057.36	-339.9925	-13157.7975	-6.06
27	Providing and fixing M.S. fin clamp type 1 or 11 of 16 mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs during laying including painting the exposed portion of top bar as per standard design complete	30	Each	174.6	5238	40	6984	40	6984	10	1746	33.33

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S.No.	DESCRIPTION OF ITEM	QTY	UNIT	DATE	AMOUNT	CITY	AMOUNT	QTY	AMOUNT	DATE	QTY	DATE	AMOUNT	PERCENTAGE
28	Applying priming coat: With ready mixed zinc chromate yellow primer of approved brand and manufacturer on steel galvanized iron steel works	15	sqm	34.6	519	18.23	630.358	1308.89	45287.504	1293.89	1293.89	647048.594	8625.93	
29	Priming with ready mixed paint of approved brand and manufacturer in all shades to give an even shade.	15	sqm	83.5	1252.5	18.23	1522.206	1308.89	109292.315	1293.89	1293.89	108109.815	8625.93	
30	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 1285. Filing with dust fasteners of required size and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be anodized rust free, straight, mixed and joined mechanically wherever required including close angle. Aluminium strip bending for glazing/infilling C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge (Glazing, powdering and dust fasteners to be paid for separately).													
31	For fixed portion: Power coated aluminium (minimum thickness of polyester power coating 50microns)	651.33	K.G	418.4	272516.472	0	0	0	0	451.33	451.33	272516.472	100.00	
32	For shutters of doors, windows & ventilators including providing and fixing wherever required including the cost of EPDM rubber/neoprene gasket required (fasteners shall be paid for separately). Power coated aluminium (minimum thickness of power coating 50 microns)	1226.93	K.G	480.2	589171.786	0	0	0	0	1226.93	1226.93	589171.786	100.00	
33	Providing and fixing glazing in aluminium door, window, ventilator, shutters and partitions etc. with EPDM rubber/neoprene gasket as complete as per the architectural drawings and the directions of Engineer-in-charge (Cost of aluminium strip bending shall be paid in basic rate)	353.17	sqm	1115.1	393819.867	11.95	13325.445	11.95	13325.445	241.22	241.22	380494.422	86.52	
34	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of its quality conforming to IS: 15622 of approved make in colours such shades except white, Ivory, Grey, Fawn Red, Brown, laid on 20 mm thick Cement mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc. complete	1776.3	sqm	862.4	1526819.2	33.21	66585.904	33.21	66585.904	1603.29	1603.29	1460391.286	83.44	
35	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption) less than 0.08 % and conforming to IS: 15622 of approved make in all colours and finishes, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joint with white cement and matching pigment etc., complete. Size of Tile 50x50 cm	458.2	sqm	1354.5	634546.9	0	0	0	0	458.2	458.2	634546.9	100.00	
36	Providing and fixing 18 mm thick gang saw cut, mirror polished, pre-mixed and pre-polished, machine cut for kitchen platforms, vanity counters, window sills, facade and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joint treated with white cement, mixed with matching pigment, approximately 10% including rubbing, curing, mudding and polishing to edges to give high gloss finish etc. complete at all levels. Area of slab upto 0.50 sqm of cut edges etc. complete	9.85	sqm	4242.9	41792.565	43.12	197439.648	43.12	197439.648	35.27	35.27	149647.082	100.00	

S.No	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT	QTY	AMOUNT	QTY	AMOUNT	DIFF. in amount	Percentage
35	50 mm thick cement concrete flooring with metallic reinforcement topping under layer 40 mm thick concrete 1:2:4 (1 cement 2 coarse sand 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick metallic concrete hardener consisting of mix 1:2 (1 cement hardener mix 2 stone aggregate 6 mm nominal size) by volume @ 2 liter per 50 kg of cement or as per manufacturer specification. This includes cost of cement slurry, etc. but excluding the cost of raising of slope etc. complete.	866.54	sqm	472	409326.88	0	0	0	-866.54	-409326.88	-46.01
36	Providing 250mm wide brick drain in cement mortar (1:5) with as 150mm. Clear depth and 250mm apart including cost of E/W involved with 75mm cement concrete (1:1.8) over one brick designation (10-A flat sloping in proper gable and slope at the base the drain duty. Planned in CM (1:3) with panning over exposed surface all complete as per building specification and direction of B/L.	67.8	M	1087.9	73759.62	130	141427	130	141427	67567.38	11.74
37	Neat cement flooring. Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following operations: (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound cleaning the surface before treatment. (b) Laying cement concrete using broken bricks / brick bats 25mm to 100 mm size with 50% of cement mortar 1:3 (1 cement, 5 coarse sand) advised with proprietary water proofing compound conforming to IS 2645 over 20 mm thick layer of cement mortar of mix 1:3 (1 cement, 5 coarse sand) admixed with proprietary water proofing compound conforming to IS 2645 to retained slope and treating auxiliary the adjoining walls upto 300 mm height including rounding of junctions, or walls ad slides. (c) After twodays of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS 2645. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:3 (1 cement, 4 coarse sand) admixed with proprietary water proofing compound conforming to IS 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300 x 300 mm square. (e) The whole terrace finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All dimensions shall be done in accordance with drawings.	1046	sqm	40.5	42363	1046	42363	1046	0	0	0.00
38	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following operations: (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound cleaning the surface before treatment. (b) Laying cement concrete using broken bricks / brick bats 25mm to 100 mm size with 50% of cement mortar 1:3 (1 cement, 5 coarse sand) advised with proprietary water proofing compound conforming to IS 2645 over 20 mm thick layer of cement mortar of mix 1:3 (1 cement, 5 coarse sand) admixed with proprietary water proofing compound conforming to IS 2645 to retained slope and treating auxiliary the adjoining walls upto 300 mm height including rounding of junctions, or walls ad slides. (c) After twodays of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS 2645. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:3 (1 cement, 4 coarse sand) admixed with proprietary water proofing compound conforming to IS 2645 and finally finishing the surface with trowel with neat cement slurry and making of 300 x 300 mm square. (e) The whole terrace finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All dimensions shall be done in accordance with drawings.	930	sqm	850.7	785648	820	697574	820	697574	-85070	-10.47
39	Providing and fixing on wall four unplasticized-PVC (waterproofing) pressure 4 kgf per sqm rain water pipes conforming to IS 4985 including jointing with seal ring conforming to IS 5382 leaving 10 mm gap for thermal expansion. 110 mm diameter.	80	M	257.5	20600	140	36050	140	36050	15450	75.06
40	Providing and fixing on wall four unplasticized-PVC mudded fittings / accessories for unplasticized-PVC rain water pipes conforming to IS 4985 including jointing with seal ring conforming to IS 5382 leaving 10mm gap for thermal expansion. 110mm.	30	Each	120	3600	150	18000	150	18000	14400	96.00
41	Making lead protection 50 mm thick of cement concrete 1:3:6 (1 cement 3 coarse sand 6 graded stone aggregate 20 mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, wall rammed and consolidated and grouted with fine sand, including finishing the top smooth.	162.72	sqm	436.6	71043.552	162.72	71043.552	162.72	71043.552	0	0.00

S. No.	DESCRIPTION OF ITEM	QTY	UNIT	RATE	AMOUNT	QTY	AMOUNT	RATE	QTY	AMOUNT	BILL to amount	Percentage
30	4. Structural Performance Ductility and deformation by static air pressure test (1.5 times design wind pressure without any failure) as per ASTM E-1330-10 testing method for a range upto 30 mm 5. Seismic Movement Test (upto 30 mm) as per AAMA 910, 4-209 testing method for Qualitative test. Tests to be conducted on site. 6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (15psi to 2000mm) Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically sealed 6-12-6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass form thick, of approved colour and shade with reflective soft coating on surface at 2 of approved colour and shade, an inner float strengthened clear float glass 6mm thick, spacer tube 12mm wide, desiccants, including primary seal and secondary seal (optional silicone sealant) etc. all complete for the required performance, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No 28.2) For polytest, only the actual area of glass on face # 1 of the glass panels (including the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.	100	sqm	3375.84	337584	0	0	-100	0	-337584	0.00	
31	(6) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Angkor + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25-0.38) and U-value of 1.0 to 1.3 W/m2 degree K, etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement. Items for operable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardware for the operable panels as specified and of the approved make such as heavy duty stainless steel friction hangers, main 4-point, stainless locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed (from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS- 277 and consisting of angle cleas of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with chain hanger 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of chain fixed to the angle hangers of 25x10x1.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which	3.4	sqm	3309.1	11250.94	0	0	-3.4	-11250.94	0.00		

Handwritten signature and initials.