



U.P. HOUSING & DEVELOPMENT BOARD

Office of The Executive Engineer

Electrical Division-I,

U.P. Avas Evam Vikas Parishad Lucknow

E-TENDER DOCUMENT

Pre-Qualification (Technical) Bid

NAME OF WORK:- Development of Facade Lighting Works at Bharat Mata Mandir, Durga Mandir, Kaal Bhairav Mandir, Sankat Mochan Mandir, Annapurna Mandir, Assi Ghat, Panch Ganga Ghat, Dashashwamedh Ghat And Other Major Tourist Places/Monuments of Varanasi.

Tender Notice No. : 337/M-6 ED-I/63 Dt. 21.04.2026

Estimated Cost : Rs. 1693.19 Lacs

Earnest Money : Rs. 33.86 Lacs

Tender Cost : Rs. 7500+18% GST

Time for Completion : 12 Months

Validity of Tender : 90 Days

Place of Receipt of Tenders : www.etender.up.nic.in

Place of opening of Tenders : Office of the Executive Engineer
Electrical Division-I,
U.P. Avas Evam Vikas Parishad, Lucknow.

Important Dates:-

a) Documents download start date : 30.04.2026

b) Bid submission start date : 30.04.2026

c) Bid submission closing date : 22.05.2026 by 10:30 AM

d) Bid/Technical Bid opening date : 22.05.2026 by 11:00 AM

Executive Engineer
Electrical Division.-I Lucknow.

**CHECK LIST-TECHNICAL OFFER**

NAME OF WORK:- Development of Facade Lighting Works at Yatha-Bharat Mata Mandir, Durga Mandir, Kaal Bhairav Mandir, Sankat Mochan Mandir, Annpurna Mandir, Assi Ghat, Panch Ganga Ghat, Dashashwamedh Ghat And Other Major Tourist Places of Varanasi.

REF. NO. - Tender Notice No. - 337/M-6 ED-I/63 Dt. 21.04.2026

S. No.	Criteria Details	Required Criteria	Signed Document Upload By Firm
1.	Registration Certificate in UPAVP	Document to be Uploaded	
2.	EARNEST MONEY AMOUNT / TENDER FEES	Rs33.86 Lac/ 7500+18% GST	
	RTGS FROM NATIONALISED BANK	Document to be Uploaded	
	BANK NAME	ICICI Bank Gomti Nagar Lucknow	
	A/c No.-	469801000038	
	IFSC Code No.-	ICIC0004698	
3.	EXPERIENCE (APPENDIX "A") OF HAVING SUCCESSFULLY COMPLETED SIMILAR WORKS DURING THE LAST 7 YEARS ENDING LAST DAY OF THE MONTH PREVIOUS TO THE ONE IN WHICH APPLICATIONS ARE INVITED SHOULD BE EITHER OF THE FOLLOWING :-	Document to be Uploaded	
(i)	ONE SIMILAR WORK COSTING NOT LESS THAN	80% of Bid Amount	
(ii)	TWO SIMILAR WORKS EACH COSTING NOT LESS THAN	50% of Bid Amount	
(iii)	THREE SIMILAR WORKS EACH COSTING NOT LESS THAN	40% of Bid Amount	
4.	Liquid Asset Certificate Appendix "B" (Not Older than 06 Months)	Document to be Uploaded	
5.	List of Staff Degree/Diploma Holder on attach format (Affidavit on Rs. 10.00 Stamp) (Appendix-C)	Document to be Uploaded	
6.	List of Machinery, Tools & Plants (Affidavit on Rs. 10.00 Stamp) (APPENDIX "D")	Document to be Uploaded	
7.	"A" Class Approved Electricity Safety License.	Document to be Uploaded	
8.	Warranty on Required Stamp Paper		
(i)	(APPENDIX "E") Warranty of work on Rs. 10 stamp paper	Document to be Uploaded	
(ii)	(APPENDIX "F") Acceptance of Warranty on Rs. 10 stamp paper	Document to be Uploaded	
(iii)	(APPENDIX "G") Warranty Declaration on Rs. 100 stamp paper	Document to be Uploaded	
9.	VALIDITY OF RATES IN AGREEMENT FORM ON Rs. 100.00 STAMP PAPER + Rs. 1.00 Revenue Stamp (APPENDIX "H")	Document to be Uploaded	
10.	(APPENDIX "I") Affidavit on Rs. 100 stamp paper	Document to be Uploaded	
11.	(APPENDIX "J") Affidavit on Rs. 10 stamp paper for Acceptance of all conditions and notice declared in Tender Documents by Contractor	Document to be Uploaded	
12.	Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity for electrical work is equal to or more than the total bid value. The available bid capacity will be calculated as under: Assessed Available Bid capacity = (2*A*N - B) A = Maximum value of electrical engineering works executed in any one year during the last five years (updated to the price level of the last year at the rate of 8 percent a year) taking into account the completed as well as works in progress) N = Number of years prescribed for completion of the works for which bids are invited (period upto 6 months to be taken as half-year and more than 6 months as one year). B = Value, at the current price level, of existing commitments and on-going works to be completed during the period of completion of the works for which bids are invited.	Document to be Uploaded	
i	(APPENDIX "K") Affidavit on Rs. 10 stamp paper for Existing commitments and on-going electrical works. Appendix 'K' में फर्मों द्वारा इंगित किये जाने वाले कार्यों का विवरण संबंधित विभागों से सत्यापित कराते हुए निविदा प्रपत्र के साथ संलग्न करना आवश्यक होगा। उक्त के अभाव में निविदा पर विचार किया जाना संभव नहीं होगा।	Document to be Uploaded	
13.	TURN OVER	Average annual financial turnover during the last three years ending 31 March 2025 should be at least 30% of the estimated cost Document to be Uploaded	
14.	PROOF OF VALID G.S.T. REGISTRATION Copy, Copies of PAN, LABOUR CESS	Document to be Uploaded	
15.	CHARACTER CERTIFICATE (Issued by District Administration)	Document to be Uploaded	
16.	SOLVENCY CERTIFICATE (Issued by District Administration)	Document to be Uploaded	
17.	Item Wise Bar Chart	Document to be Uploaded	

Note: - All Uploaded documents shall be signed, visible and readable.

CONTRACTOR

IS15700:2018



उत्तर प्रदेश आवास एवं विकास
परिषद
विद्युत वृत्त

आफिस काम्पलेक्स, (प्रथम तल)
सेक्टर-9, वृन्दावन योजना, लखनऊ
Email: upavpelect@gmail.com



पत्र सं०-

दिनांक-

ई-निविदा सूचना

अधोहस्ताक्षरी द्वारा निम्नलिखित कार्य हेतु निम्न विवरणानुसार परिषद में विद्युत/यांत्रिक कार्य हेतु अर्ह श्रेणी में पंजीकृत फर्मों से ई-निविदाये आमंत्रित की जाती है जो कि टू-बिड प्रणाली के अन्तर्गत ई-प्रोक्योरमेंट सोल्युशन प्रणाली द्वारा खोली जायेगी।

क्र सं०	कार्य का विवरण	कार्य की अनुमानित लागत (रु० लाख में)	धरोहर धनरा शि (रु० लाख में)	निविदा प्रपत्र मूल्य (रुपये में)	कार्य पूर्ण करने की अवधि	ई निविदा डाउनलोड करने की तिथि	टेक्निकल बिड खुलने की तिथि व समय	विवरण
1.	जनपद वाराणसी के प्रमुख पर्यटन स्थलों/स्मारकों यथा-भारत माता मंदिर, दुर्गा मंदिर, काल भैरव मंदिर, संकट मोचन मंदिर, अन्नपूर्णा मंदिर, अस्ती घाट, पंच गंगा घाट, दसाश्वमेध घाट एवं अन्य पर्यटन स्थलों पर फसाड लाईटिंग का कार्य।	1693.19	33.86	7500.00 + 18% GST	12 माह	29.04.2026	22.05.2026 11.00 बजे पूर्वान्ह	अधिसासी अभियंता, विद्युत खण्ड- प्रथम, आफिस काम्पलेक्स, भूतनाथ मन्दिर मार्ग, इन्दिरा नगर लखनऊ।

नियम व शर्त:-

- निविदा प्रपत्र एवं अन्य नियम व शर्त परिषद की वेबसाइट www.upavp.com के निविदा लिंक पर एवं उ०प्र० इलेक्ट्रॉनिक्स कापरिशन की वेबसाइट <https://etender.up.nic.in> पर देखे जा सकते हैं। इच्छुक ठेकेदारों से अनुरोध है कि वह नियमित रूप से उक्त वेबसाइट पर देखते रहे क्योंकि निविदाओं के सम्बन्ध में कोई बदलाव अथवा सूचना / शुद्धि-पत्र मात्र उक्त वेबसाइट पर ही उपलब्ध करायी जायेगी। डिजिटल सिग्नेचर धारक ठेकेदारों द्वारा ही ऑनलाईन निविदा डाली जा सकती है।
- तकनीकी बिड का परीक्षणोपरांत फाइनेन्सियल बिड खोलने की तिथि उ०प्र० इलेक्ट्रॉनिक्स कापरिशन की वेबसाइट <https://etender.up.nic.in> पर अपलोड की जायेगी।

प्रकाशनार्थ नहीं:-

- निविदा प्रपत्र का उपरोक्तानुसार निर्धारित मूल्य व वांछित धरोहर धनराशि का भुगतान केवल RTGS के माध्यम से अधिसासी अभियन्ता, विद्युत खण्ड-प्रथम, उ०प्र० आवास एवं विकास परिषद, लखनऊ के पक्ष में निम्न विवरण के अनुसार निविदा खुलने की तिथि से एक दिन पूर्व तक निर्धारित समयावधि के भीतर किया जा सकता है। उपरोक्त की स्कैन प्रति तकनीकी बिड के साथ अपलोड करना अनिवार्य है।

Detail of RTGS :-

Name of Holder-Executive Engineer, ED-I, UPVP, Indira Nagar Lucknow.
Name of Bank :-ICICI Bank Gomti Nagar Lucknow.
Account No. :- 469801000038
IFSC Code No. ICIC0004698

2. निविदा दाता द्वारा निविदा प्रपत्र का मूल्य एवं धरोहर धनराशि फर्म के खाते से अथवा फर्म के प्रोपराइटर के खाते से आर0टी0जी0एस0 के माध्यम से प्राप्त होने पर ही निविदा पर विचार किया जायेगा।
3. निर्धारित तिथि के बाद धरोहर धनराशि का भुगतान किया जाना मान्य नहीं होगा।
4. निविदादाता को निविदा स्वीकृति की दशा में अनुबन्ध गठन से पूर्व कार्य की लागत का 10% (दस प्रतिशत) सिक्चोरिटी धनराशि एफ0डी0आर0/सी0डी0आर0 के रूप में जो अधिशासी अभियन्ता, विद्युत खण्ड-प्रथम, उ0प्र0 आवास एवं विकास परिषद, लखनऊ के पक्ष में बन्धक हो, को निविदा स्वीकृति प्रपत्र निर्गत होने के 07 दिन के भीतर कार्यालय में जमा करना होगा अन्यथा धरोहर धनराशि जब्त करते हुए फर्म को काली सूची में डालने की कार्यवाही की जायेगी।
5. फर्म की दरें निविदा की बी.ओ.क्यू. में अंकित दरों से 10 प्रतिशत तक कम होने तक 0.50 प्रतिशत प्रति 1.00 प्रतिशत कम दर पर तथा 10 प्रतिशत से अधिक कम होने पर 1.00 प्रतिशत प्रति 1.00 प्रतिशत कम दर पर अतिरिक्त सिक्चोरिटी/परफार्मेंस गारंटी उ0प्र0 शासन के शासनादेश सं0.622/23-12-2012-2आडिट/08 टी.सी. दिनांक 08 जून 2012 एवं तदक्रम में मुख्य अभियंता (म0) के पत्रांक 4196/निविदा/2018 दिनांक 14-09-2018 के अनुसार निविदा खुलने के एक सप्ताह के अंदर किसी राष्ट्रीयकृत बैंक से निर्गत एफ0डी0आर0/सी0डी0आर0 के रूप में जो अधिशासी अभियंता, विद्युत खण्ड-प्रथम, उ0प्र0 आवास एवं विकास परिषद लखनऊ के पक्ष में बंधक हो, जमा करने के पश्चात् ही निविदा स्वीकृति की कार्यवाही की जायेगी।
6. निविदा की स्वीकृति की दशा में अनुबन्ध के निष्पादन हेतु रु0 100.00 मूल्य का नान जूडिशियल स्टाम्प पेपर प्रस्तुत करना होगा। यदि मा0 उच्चतम न्यायालय/शासन द्वारा स्टाम्प पेपर के मूल्य के सम्बन्ध में अन्य कोई आदेश पारित होते हैं तो तदनुसार कार्यवाही किये जाने के सम्बन्ध में अनुबन्ध के समय रु0 10.00 के नान जूडिशियल स्टाम्प पेपर पर शपथ पत्र देना होगा।
7. चूँकि प्रश्नगत कार्य अतिआवश्यक/समयबद्ध है, को प्रत्येक दशा में कार्य के सम्मुख इंगित अवधि में ही पूर्ण किया जाना अनिवार्य होगा। जिसमें किसी भी प्रकार की शिथिलता अनुमन्य नहीं होगी। कार्य की प्रगति निर्धारित मापदण्डों के अनुसार होनी चाहिए प्रगति का ऑकलन प्रत्येक 15 दिनों पर किया जायेगा विलम्ब की दशा में ठेकेदार को अगले 15 दिनों के अन्त तक निर्धारित क्यूम्प्यूलेटिव प्रगति प्राप्त करनी अनिवार्य होगी, अन्यथा की स्थिति में अनुबंध में निहित शर्तों के अनुसार दंडात्मक कार्यवाही की जा सकती है। जिसके लिए निविदादाता स्वयं उत्तरदायी होगा। उक्त हेतु निविदा दाता को रु0 100.00 के नान जूडिशियल स्टैम्प पेपर पर निविदा प्रपत्र के साथ संलग्न प्रारूप के अनुसार शपथ-पत्र संलग्न करना अनिवार्य होगा। उक्त के अभाव में निविदा पर विचार करना सम्भव नहीं होगा।
8. मुख्य अभियंता (म0), उ0प्र0 आवास एवं विकास परिषद द्वारा कार्यालय आदेश संख्या 2018/ई-31/2020 दिनांक 29-06-2021 के माध्यम से दिये गये निर्देशानुसार " निविदा स्वीकृति के उपरान्त फर्म द्वारा अनुबंध गठन सम्बन्धित कार्यवाही पूर्ण न किये जाने की दशा में फर्म की जमा धरोहर धनराशि के साथ-साथ बी0ओ0क्यू0 से बिलों दरों पर ली जाने वाली अतिरिक्त सिक्चोरिटी / परफार्मेंस गारण्टी भी जब्त कर ली जायेगी।
9. उक्त कार्य उ0प्र0 आवास एवं विकास परिषद, UPPWD / CPWD / पर्यटन विभाग, की अद्यतन विशिष्टियों के अनुसार कराये जायेंगे।
10. कार्य का संचालन एवं कार्य में प्रयुक्त समस्त सामग्रियों का गारण्टी विभाग को हस्तगन की तिथि के उपरान्त 3 वर्षों की होगी। नोट- Facade light कार्य में प्रयुक्त light Fixtures की गारंटी 5 वर्षों की होगी। उक्त समयावधि में कोई भी सामग्री खराब होने पर उसे तत्काल बदलने या सही कराने का पूर्ण उत्तरदायित्व फर्म का होगा। जिसके लिये फर्म का कोई क्लेम मान्य नहीं होगा।
11. ठेकेदारों/श्रमिकों का पंजीकरण श्रम विभाग में होना अनिवार्य है।
12. निविदा से सम्बन्धित अन्य नियम व शर्तों का पूर्ण विवरण निविदा प्रपत्र में उपलब्ध होगा, जिसका ठेकेदार द्वारा अनुपालन किया जाना अनिवार्य होगा। फर्म द्वारा निविदा के साथ संलग्न किये गये समस्त प्रमाण-पत्र निविदा खुलने की तिथि के उपरान्त न्यूनतम 01 माह तक वैध होने चाहिए।
13. कार्य की मात्रा घट-बढ़ सकती है जिसके लिये निविदादाता का कोई भी क्लेम मान्य नहीं होगा।

14. निविदादाता द्वारा दस्तावेजों/प्रमाण पत्रों के गलत पाये जाने पर निविदादाता को अयोग्य समझा जायेगा एवं निविदा पर विचार नहीं किया जायेगा तथा धरोहर धनराशि जब्त करते हुए ठेकेदार को काली सूची में डाल दिया जायेगा। यदि दस्तावेजों के फर्जी या गलत होने की जानकारी अनुबन्ध गठन के पश्चात् होती है तो अनुबन्ध उसी समय निरस्त करते हुए दण्ड के रूप में धरोहर धनराशि जब्त करते हुए ठेकेदार को काली सूची में डाल दिया जायेगा।
15. निविदादाता को GST में पंजीकृत होना अनिवार्य होगा।
16. उक्त कार्य पर्यटन विभाग द्वारा उ0प्र0 आवास एवं विकास परिषद को डिपॉजिट कार्य के रूप में प्राप्त हुआ है। अतः फर्म को कार्यों के विरुद्ध बीजकों का भुगतान विभाग /प्रशासन से उ0प्र0 आवास एवं विकास परिषद को धनराशि उपलब्ध कराने के पश्चात् ही किया जाना संभव होगा। इस सम्बन्ध में फर्म का कोई क्लेम मान्य नहीं होगा।
17. निविदादाता के निविदा स्वीकृत/अनुबन्ध गठित होने के उपरान्त यदि यह संज्ञान में आता है कि सम्बन्धित निविदादाता सक्रिय रूप से माफिया, गतिविधियों, असामाजिक कार्यों एवं संगठित अपराधिक गतिविधियों में लिप्त है, तो उसका अनुबन्ध निरस्त कर दिया जायेगा, जिससे किसी भी क्षति की सम्पूर्ण जिम्मेदारी निविदादाता/ठेकेदार की होगी।
18. बी0ओ0क्यू0 की दरों में जी0एस0टी0 को छोड़कर अन्य समस्तकर सम्मिलित है। जी0एस0टी0नियमानुसार अतिरिक्त देय होगी।
19. सक्षम अधिकारी को कोई भी अथवा समस्त निविदायें बिना कारण बतायें निरस्त करने का अधिकार सुरक्षित है।
20. सशर्त निविदाएं मान्य नहीं होगी।
21. सभी फर्मों से अपेक्षा की जाती है कि निविदा प्रक्रिया में भाग लेने से पूर्व कार्य स्थल का निरीक्षण अवश्य कर लें। उक्त निविदा में उल्लिखित कार्य के सम्मुख अंकित अवधि में किसी भी प्रकार की समयवृद्धि मान्य नहीं होगी।
22. ठेकेदार/फर्म द्वारा स्थाई धरोहर धनराशि (जनरल सिक्योरिटी) एवं कुल धरोहर धनराशि के अन्तर की धनराशि निविदा के साथ उपयुक्त रूप में जमा करनी होगी, अन्तर धनराशि जमा न होने की दशा में निविदा पर विचार नहीं किया जायेगा।
23. निविदा की दर कम या अधिक (Below or Above) अंकित न होने पर (Below) मानी जायेगी।
24. कार्य सम्पादित कराये जाने के दौरान वर्षा या अन्य दैवी आपदा के कारण किसी प्रकार की हुई क्षति हेतु परिषद द्वारा कोई भुगतान नहीं किया जायेगा तथा ठेकेदार का कोई क्लेम मान्य नहीं होगा।
25. ठेकेदार/फर्म की लापरवाही के कारण कार्यस्थल पर हुई क्षति या दुर्घटना हेतु ठेकेदार/फर्म स्वयं की जिम्मेदारी होगी परिषद द्वारा कोई प्रतिपूर्ति देय नहीं होगी।
26. उ0प्र0 शासन/जिला प्रशासन द्वारा निर्माण कार्य से सम्बन्धित कोविड-19 के अंतर्गत दिये गये निर्देशों का अनुपालन सुनिश्चित किया जाना होगा।
27. निविदा खुलने की तिथि को यदि कोई अवकाश पड़ता है तो निविदा अगले कार्य दिवस को निर्धारित समय पर खोली जायेगी।
28. *Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following: -*
 - a. *Three similar completed works costing not less than the amount equal to 40% of the estimated cost.*
 - or*
 - b. *Two similar completed works costing not less than the amount equal to 50% of the estimated cost.*
 - or*
 - c. *One similar completed work costing not less than the amount equal to 80% of the estimated cost समान कार्य (Similar work) अर्थात् Facade lighting के कार्य।*

29. कोई भी निविदादाता जो उ0प्र0 राज्य सरकार अथवा सम्पूर्ण भारत के किसी भी राज्य सरकार द्वारा काली सूची में दर्ज न हो, द्वारा ही निविदा में प्रतिभाग किया जा सकता है।
30. समस्त कार्य संतोषजनक पूर्ण होने के उपरांत स्थानीय निकाय को हस्तगत करने का उत्तरदायित्व फर्म का होगा।

(सी0प्रौ0 सिंह)

अधीक्षण अभियन्ता-वि0

पृ०सं० 337 / M-6 / ED-2/63 दिनांक: 21.4.26
प्रतिलिपि निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

1. निदेशक, ग्लोबल सेल, उ0प्र0 आवास एवं विकास परिषद, लखनऊ।
2. अधिशासी अभियन्ता, विद्युत खण्ड-प्रथम, उ0प्र0 आवास एवं विकास परिषद, इन्दिरा नगर, लखनऊ को इस आशय से प्रेषित कि प्रश्नगत कार्य से सम्बन्धित ई-निविदा प्रपत्र समयानुसार वेबसाइट पर अपलोड कराने का कष्ट करें।
3. अधिशासी अभियन्ता, विद्युत खण्ड-द्वितीय/तृतीय, उ0प्र0 आवास एवं विकास परिषद, गाजियाबाद/कानपुर।
4. इंचार्ज कम्प्यूटर सेल, उ0प्र0 आवास एवं विकास परिषद, 104 महात्मा गांधी मार्ग, लखनऊ को उक्त निविदा सूचना परिषद वेबसाइट www.upavp.com के निविदा लिंक पर एवं उ0प्र0 इलेक्ट्रानिक्स कारपोरेशन की वेबसाइट <https://etender.up.nic.in> पर प्रकाशित कराये।
5. नोटिस बोर्ड, विद्युत वृत्त, लखनऊ।

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	Kumar, Raj Sajeewan Alias Ram Sajeewan, Shyam Bihari, Anil Kumar Kashyap, Represented By Proprietor Rakesh Chandra Kashyap, A/c No.244105001129, Satanpur Mandi, Fatehgarh Farrukhabad - 209625	Ameen Khan, Iensil Sagar, District Farrukhabad, Uttar Pradesh., Owned By Rakesh Chandra Kashyap Alias Rakesh Kumar, Shyam Bihari, Anil Kumar Kashyap, Admeasuring An Area of 68.87 Sq. Mtrs, North:plot of Shyam Babu South: Rasta Gali East:house of Sh. Veerpal West: Plot of Seller		
3.	M/s. Maaz Leathers, Sarfaraj Khan Alias Mohammad Sarafraz Khan., Sufia Bano, Represented By Proprietor Sarfaraj Khan, A/c No. 351705000859 100/95, Gajju Purwa, Jaj Mau, Kanpur Nagar, Kanpur, Uttar Pradesh Kanpur - 208010	Commercial Plot Having Total Plot Area 400.00 Sq. Yrds I.e. 334.57 Sq. Mtrs, Comprised In Land No. 1578 Min Rakba 50.00 Sq. Yrds & Land No. 1580 'Kha' Rakba 350.00 Sq. Yrds, Wake Mauja Katri Pipar Kheda, Paragana Hadha, Tehsil & District Unnao, Uttar Pradesh, 209862., Owned By Sarfaraj Khan Alias Mohammad Sarafraz Khan, (admeasuring An Area of 400.00 Sq. Yrds I.e. 334.57 Sq. Mtrs. North: Rasta 20 Feet Wide, South: Plot of Other's, East: House of Other's, West: Kanpur-Lucknow National Highway	24-03-2026 Rs. 50,33,396.62/-	13-02-2026
4.	M/s. Bajrang Trading Company, Vikash Goyal, Manju Devi Alias Manju Goyal, Represented By Proprietor Vikash Goyal, A/c No.490705500134, Near G.t. Road, Ismailpur, Gurshaiganj, Kannauj, Uttar Pradesh Kannauj - 209722	Residential Property Measuring Area 55.76 Sq. Mtrs, Comprising In Part Of Gata No. 1897, Situated At Village Ismilepur, Kasba Gurusahay Ganj, Pargana Talgram, Tehsil Chhibaramau, District Kannauj, Uttar Pradesh, 209722., Owned By Manju Devi Alias Manju Goyal Admeasuring An Area of 55.76 Sq. Mtrs, North: G.T. Road, South: Plot Amar Singh, East: Plot Nisha Gupta, West: Plot Shahnoor Khan	26-03-2026 Rs. 25,15,222.26/-	17-01-2026

These steps are being taken for substituted service of Notice. The above borrower/s and/or guarantor/s (as applicable) is/are advised to make the outstanding payment within 60 days from the date of publishing this Notice. Else, further steps will be taken as per the provisions of the Securitisation and Re-construction of Financial Assets and Enforcement of Security Interest Act, 2002.

Date: April 22, 2026
Place: Farrukhabad & Banda & Unnao & Kanpur & Kannauj

Sincerely Authorised Officer,
For ICICI Bank Ltd.

ग सावि वृत्त शहर जयपुर
; जयपुर क्लब के सामने, जयपुर
pwd@rediffmail.com
Date- 10/4/2026
11/2026-27
nvited from interested bidders upto 06.00 PM
e bid may be seen on the procurement portal
pp.rajasthan.gov.in) of the state; and
te value of the procurement is Rs. 284.16 laes.
Sd/-
(A.N.Rawat)
Superintending Engineer
PWD City Circle, Jaipur

TechQuest Innovations Pvt. Ltd.
SHORT TERM TENDER NOTICE
Invites sealed tenders for the procurement, supply, installation, and commissioning of Modular OT Works on Turnkey basis for an upcoming **220-Bedded Super Speciality Hospital, Located at Vemagal, Kolar, Karnataka – 563157.**
Date of Publication : 22-04-2026.
Last Date & Time of Submission : 16:00 Hrs and 05-05-2026.
Tender documents can be downloaded from **Techquest Website : https://www.techquestin.com/tenders**

नगर निगम
डि, लखनऊ-226001 (उ.प्र.)
: https://etender.up.nic.in
दिनांक : 21.04.2026
अंतर्गत निविदा सूचना
मुख्यमंत्री वैश्विक नगरोदय योजना
रा संचालित 06 विद्यालयों/डिग्री
लबिना कार्य हेतु ई-निविदा, ई-निविदा
पर आमंत्रित की जाती है, पोर्टल
दा के साथ जमानत धनराशि एवं निविदा
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ct.indusind.com/pay/index.php
। ई-निविदा दिनांक 06.05.2026 को
र्टल पर प्राप्त की जाएगी। जिन्हें दिनांक
समिति के समक्ष खोला जाएगा। किसी भी
ने का अधिकार समक्ष अधिकारी में निहित
थथा कार्य का नाम, आगणन धनराशि,
त धनराशि तथा निविदा प्रपत्र पोर्टल
ब्ध है।
मुख्य अभियन्ता

IS 15700:2018 उत्तर प्रदेश आवास एवं विकास परिषद
विद्युत वृत्त
आफिस काम्प्लेक्स, (प्रथम तल) सेक्टर-9, वृन्दावन योजना, लखनऊ
Email: upavpsect@gmail.com
पत्र सं0-337/M-6/ED-I/63 दिनांक- 21.04.2026
ई-निविदा सूचना
अधोहस्ताक्षरी द्वारा विद्युत खण्ड-प्रथम इन्दिरा नगर लखनऊ के कार्य
क्षेत्र के अन्तर्गत जनपद वाराणसी के प्रमुख पर्यटन स्थलों /स्मारकों यथा-भारत
माता मंदिर, दुर्गा मंदिर, काल भैरव मंदिर, संकट मोचन मंदिर, अन्नपूर्णा मंदिर,
अस्सी घाट, पंच गंगा घाट, दसाश्वमेध घाट एवं अन्य पर्यटन स्थलों पर फसाड
लाईटिंग का कार्य हेतु ई-निविदा दिनांक 22.05.2026 को पूर्वान्ह 11.00 बजे
तक आमंत्रित की गई है जिसकी तकनीकी बिड दिनांक 22.05.2026 को खोली
जायेगी। शेष नियम व शर्तें परिषद की वेबसाइट **www.upavp.com** एवं
एन0आई0सी0 की वेबसाइट **https://etender.up.nic.in** तथा अधिशासी
अभियन्ता विद्युत खण्ड-प्रथम उ0प्र0 आवास एवं विकास परिषद इन्दिरा नगर
लखनऊ के कार्यालय में देखी जा सकती है।
(सी0पी0 सिंह)
अधीक्षण अभियन्ता (वि0याँ0)

Branch Office: ICICI Bank Ltd., Ground Floor, TC-13, V-IV, Vibhuti Khand, Gomti
lagar Lucknow- 226010
UNDER CUM E-AUCTION FOR SALE OF SECURED ASSET
[See proviso to Rule 8(6)]
Notice for sale of immovable asset(s)
mmovable asset(s) under the Securitisation and Reconstruction of Financial
Interest Act, 2002 read with proviso to Rule 8 (6) of the Security Interest
lic in general and in particular to the Borrower(s) and Guarantor(s) that the y
y mortgaged/ charged to the Secured Creditor, the physical possession of
sed Officer of ICICI Bank Limited will be sold on 'As is where is', 'As is what is'
ef particulars given hereunder;

Details of the Secured asset(s) with known encumbrances, if any	Amount Outstanding	Reserve Price Earnest Money Deposit	Date and Time of Property Inspection	Date & Time of E-Auction
(C)	(D)	(E)	(F)	(G)
No. 8 , On Part Of Kh. No 418 rted At Village Amrai, Ward eed Bhagat Singh , Pargana il & Distt Lucknow.UP. Area: l Sq Ft	Rs. 39,07,213/- as on April 11,2026	Rs. 25,50, 000/-	May 05, 2026 From 12:00 Noon – 01:00 PM	May 14, 2026 From 11:00 AM- 12:00 Noon

RAJASTHAN RAJYA VIDYUT PRASARAN NIGAM LIMITED
Corrigendum
"In the NIT published on 21.04.2026 vide
TR No. 7507, the words "Superintending
Engineer (Civil), Bikaner" shall be read as
"Superintending Engineer (Contracts-I),
Jaipur".
Superintending Engineer
(Contracts- I), Jaipur
Raj.Samwad/C/26/1181

SYMBOLIC PC
ICICI Bank Branch Office
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The Authorised ICICI Bank Officer under the

शुद्ध म बस-डपर र में 12 चोटिल

रखौना र मंगलवार री लेकर आ टकरा गई। त्री जख्मी हो गविल लाइन टकराने के गे गई। बस इवे पर एक सांड सामने आ गया। चालक ने बस रोकने की कोशिश की, लेकिन सांड को टक्कर मारते हुए बस डंपर में टकरा गई। बस चालक प्रयागराज निवासी विनोद पटेल और परिचालक प्रयागराज जिले के सिविल लाइन निवासी जितेंद्र, संदीप कुमार, भेलूपुर (वाराणसी) निवासी संतोष साहनी, सहित 12 लोग घायल हो गए।

और रणनीति का संगम

आईसीआईसीआई प्रूडेंशियल एग्रेसिव हाइब्रिड एक्टिव एफओएफ (पूर्व में थीमैटिक एडवांटेज एओएफ) सेक्टरल, थीमैटिक और मार्केट-कैप के रसरों पर 65-80 फीसदी इक्विटी केंद्रित रखता जबकि स्थिरता के लिए 20-35 फीसदी डेट भी मिल करता है। इसने वेल्थ क्रिएशन में लगातार न्गटर्म सफलता का प्रदर्शन किया है। ल फंड डिस्ट्रीब्यूटर, वाराणसी

पीछे का महत्वपूर्ण पोलियो के प्रबंधन बैलेंसिंग है। सामना करने के लिए स्थिरता-केंद्रित एसेट्स (जैसे डेट) को एकीकृत करना और बाजार पूंजीकरण स्पेक्ट्रम में लचीले ढंग से अवसरों की तलाश करना शामिल हो सकता है - यह सब लॉन्गटर्म थीमैटिक रुझानों पर मुख्य ध्यान केंद्रित करते हुए किया जाता है।

शेष रूप दृष्टिकोण अधीकरण के साथ केल्स का इस तरह के स्ट्रक्चर्ड समाधान की तलाश करने वाले निवेशकों के लिए, फंड ऑफ फंड्स दृष्टिकोण पर विचार किया जा सकता है। (वित्तीय निवेश से पूर्व स्वयं समीक्षा अवश्य करें)

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IS 15700:2018



चेखतान प्रमाणित

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विद्युत वृत्त

आफिस काम्प्लेक्स, (प्रथम तल) सेक्टर-9, पुन्दावन योजना, लखनऊ
Email: upavpelect@gmail.com



पत्र सं०-337/M-6/ED-I/63

दिनांक- 21.04.2026

ई-निविदा सूचना

अधोहस्ताक्षरी द्वारा विद्युत खण्ड-प्रथम इन्दिरा नगर लखनऊ के कार्य क्षेत्र के अन्तर्गत जनपद वाराणसी के प्रमुख पर्यटन स्थलों / स्मारकों यथा-भारत माता मंदिर, दुर्गा मंदिर, काल भैरव मंदिर, संकट मोचन मंदिर, अन्नपूर्णा मंदिर, अस्सी घाट, पंच गंगा घाट, दसाश्वमेध घाट एवं अन्य पर्यटन स्थलों पर फसाड लाईटिंग का कार्य हेतु ई-निविदा दिनांक 22.05.2026 को पूर्वाह्न 11.00 बजे तक आमंत्रित की गई है जिसकी तकनीकी बिड दिनांक 22.05.2026 को खोली जायेगी। शेष नियम व शर्तें परिषद की वेबसाइट www.upavp.com एवं एन-ओआई-सी-ओ की वेबसाइट <https://etender.up.nic.in> तथा अधिशासी अभियन्ता विद्युत खण्ड-प्रथम उ0प्र0 आवास एवं विकास परिषद इन्दिरा नगर लखनऊ के कार्यालय में देखी जा सकती है।

(सी0पी0 सिंह)

अधीक्षण अभियन्ता (वि0/यॉ0)

क ऑफ इंडिया

अंचल कार्यालय : बी-38/2 ए महमूरगंज,
वाराणसी, उत्तर प्रदेश-221010
E-mail : varanasi.ard@bankofindia.bank.in

कब्जा नोटिस (अचल सम्पत्ति के लिए)

ने बैंक ऑफ इंडिया, का प्राधिकृत अधिकारी होते हुए वित्तीय आस्तियों का प्रतिभूतिकरण एवं पुनर्गठन और प्रतिभूतिहित प्रवर्तन अधिनियम) एवं प्रतिभूतिहित (प्रवर्तन) अधिनियम 2002 सपटित नियम 3 के तहत प्रदत्त शक्तियों के अनुप्रयोग में मांग सूचना जारी की थी तथा ऋणी को धनराशि जिसका विवरण नीचे दिया है का भुगतान सूचना प्राप्त के 60 दिन के भीतर करने को कहा गया था। ऋणी द्वारा यह राशि लौटाने में र सर्वसाधारण को एतद्वारा सूचना दी जाती है कि अधोहस्ताक्षरकर्ता ने उक्त अधिनियम की धारा 13(4) सपटित उक्त नियम 8 के तहत प्रदत्त नीचे वर्णित संपत्तियों का अधिपत्य कब्जा अधोलिखित तिथियों को ग्रहण कर लिया है।

और सर्वसाधारण को समान्य रूप से एतद्वारा संपत्ति के साथ व्यवहार (क्रय-विक्रय) नहीं करने की चेतावनी दी जाती है और अर्णित संपत्ति का वेक्रय बैंक ऑफ इंडिया के बकाया राशि एवं ब्याज व अन्य व्यय के भार के अधीन होगा जिसका विवरण निम्न प्रकार है। ऋणी/गारंटर का ध्यान धारा त बंधक संपत्ति के मोचन हेतु आकृष्ट किया जाता है।

ऋणकर्ता/जमानतकर्ता का नाम व पता एवं मांग सूचना /कब्जा सूचना की तिथि	बकाया राशि	अचल बंधक सम्पत्ति का विवरण
र्स हेम लाल वर्मा एण्ड सन्स न वर्मा की संपत्ति का प्रतिनिधित्व उनके कानूनी वारिस द्वारा किया जा	₹ 12,47,015.44/- (रु. बारह लाख सैंतालीस हजार पन्ध्र एवं चौवालीस मात्र) w.e.f 30.06.2016 + ब्याज एवं अन्य खर्च	सम्पत्ति के सभी भाग व खण्ड मकान संख्या 30, मोहल्ला सद्दपुर मोहाना, परगना हवेली, तहसील चुनार, जिला मीरजापुर उत्तर प्रदेश 231304 में स्थित है जो कि श्री मुन्ना लाल वर्मा (अब मृतक) के नाम है। क्षेत्रफल : 850 .75 वर्ग फिट चौहद्दी (विक्रय विलेख के अनुसार) - पूरब : शंकर साहू का मकान, पश्चिम : शिवपूजन दास साहू का मकान, उत्तर : ओमप्रकाश जायसवाल का मकान एवं बाड़ा, दक्षिण : खड्गजा नगर पालिका। चौहद्दी (निरीक्षण के अनुसार) -पूरब : शंकर साहू का मकान, पश्चिम : शिवपूजन दास साहू का मकान, उत्तर : विजय जायसवाल का मकान, दक्षिण : रास्ता।
ार वर्मा पुत्र स्व० मुन्ना लाल वर्मा, (ब) श्रीमती चंचला देवी पत्नी स्व० श्री राकेश कुमार वर्मा पुत्र स्व० मुन्ना लाल वर्मा, (द) सुश्री उषा वर्मा ल वर्मा ा का पता : ग्राम सद्दपुर मोहाना, परगना हवेली, नगर पालिका चुनार, ला मीरजापुर, उत्तर प्रदेश 231304 । मुकेश कुमार वर्मा पुत्र स्व० मुन्ना लाल वर्मा मोहाना, परगना हवेली, नगर पालिका चुनार, तहसील चुनार, जिला देश 231304 धे : 22.01.2026 थि : 18.04.2026 ांकैतिक		

फसाड लाईटिंग अन्तर्गत लिए जाने वाले महत्वपूर्ण पर्यटन स्थल:-

1. केदार घाट स्थित भवन/मंदिर
2. पंचरत्नेश्वर मंदिर (पुराना अस्सी घाट)
3. दुर्गा मंदिर, दुर्गाकुण्ड
4. कालभैरव मंदिर
5. दशाश्वमेध घाट स्थित भवन/मंदिर
6. चेतसिंह किला
7. पंचगंगा घाट स्थित भवन/मंदिर
8. अन्नपूर्णा मंदिर
9. वृहस्पतिदेव मंदिर, दशाश्वमेध घाट
10. मानमहल स्मारक
11. मणिकर्णिका घाट स्थित प्रमुख मंदिर:- (क) त्रिपुर सुन्दरी मंदिर (ख) विष्णु चरण पादुका मंदिर
(ग) ब्रजपालदास धर्मशाला (घ) महाकाल मंदिर
(ङ) महा श्मशाननाथ मंदिर
12. आदिकेशव मंदिर
13. पशुपतिनाथ मंदिर (नेपाली मंदिर), ललिता घाट
14. शीतला माता मंदिर
15. भदौनी स्थित पम्पिंग स्टेशन

IS15700:2018



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इन्दिरा नगर, लखनऊ-226016
E-Mail : edilko@upavp.com



पत्र सं०- 738 / A-03 / 59

दिनांक- 30/04/2026

शुद्धि पत्र

अधीक्षण अभियन्ता विद्युत वृत्त कार्यालय के पत्रांक 337/एम0-6/ई0डी0-1/63 दिनांक 21.04.2026 द्वारा ई-निविदा प्रकाशित की गयी थी जिसमें ई-निविदा डाउनलोड करने की तिथि 29.04.2026 अंकित थी। अपरिहार्य कारणवश ई-निविदा डाउनलोड करने की तिथि 29.04.2026 के स्थान पर 30.04.2026 हो गयी है।

शेष नियम व शर्तें पूर्ववत रहेगी।

पत्र सं० - 738 / A-03 / 59

प्रतिलिपि: निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित:-

1. निदेशक ग्लोबल सेल, उ0प्र0 आवास एवं विकास परिषद, लखनऊ ।
2. अधीक्षण अभियन्ता विद्युत वृत्त, उ0प्र0 आवास एवं विकास परिषद लखनऊ के क्रम में।
3. अधिशासी अभियंता, विद्युत खण्ड-द्वितीय/तृतीय, उ0प्र0 आवास एवं विकास परिषद, गाजियाबाद / कानपुर ।
4. इंचार्ज कम्प्यूटर सेल उ0प्र0 आवास एवं विकास परिषद, 104 महात्मा गांधी मार्ग, लखनऊ को उक्त निविदा सूचना परिषद वेबसाइट www.upavp.com के निविदा लिंक पर एवं उ0प्र0 इलेक्ट्रानिक्स कारपोरेशन की वेबसाइट <https://etender.up.nic.in> पर प्रकाशित कराये।

(धीरेन्द्र चन्द्र)
अधिशासी अभियन्ता
दिनांक 30/04/2026

अधिशासी अभियन्ता



1.0 Contractors of UPAVP under the E.E, Electrical Division-I, Lucknow for “Development of Facade Lighting Works at Yatha-Bharat Mata Mandir, Durga Mandir, Kaal Bhairav Mandir, Sankat Mochan Mandir, Annpurna Mandir, Assi Ghat, Panch Ganga Ghat, Dashashwamedh Ghat And Other Major Tourist Places of Varanasi. ”Invited Tender under as per schedule below:-

Tendering Document No/Group No.	S.No.1
Name of Work	Development of Facade Lighting Works at Yatha-Bharat Mata Mandir, Durga Mandir, Kaal Bhairav Mandir, Sankat Mochan Mandir, Annpurna Mandir, Assi Ghat, Panch Ganga Ghat, Dashashwamedh Ghat And Other Major Tourist Places of Varanasi.
Brief Scope of Work	Development of Facade Lighting Works at Yatha-Bharat Mata Mandir, Durga Mandir, Kaal Bhairav Mandir, Sankat Mochan Mandir, Annpurna Mandir, Assi Ghat, Panch Ganga Ghat, Dashashwamedh Ghat And Other Major Tourist Places of Varanasi.
Estimated Cost	Rs.1693.19 Lac
Period of Completion	12 Calendar Months
Earnest Money Deposit	Rs.33.86 Lacs
Last date & time of submission of Online Tender	Upto 22.05.2026 by 10:30 AM.
Date & Time of Opening of Technical Bid of Tender	22.05.2026 by 11:00 AM
Validity of offer	90 days from the date of opening of Financial Bid
Date & Time of Opening of Financial Tender	Kindly check the date of Financial Bid opening on E-Tender Website

- 1- The tender document can be downloaded from website www.etender.up.nic.in and “Corrigendum, if any, would appear only on the above website and not to be published in any News Paper”.
- 2- The intending tenderer must read the terms and conditions of UPAVP carefully. He should only submit his tender if he considers himself eligible and he is in possession of all the documents required.
- 2-(a) Information and Instructions for Tenderers posted on Website(s) shall form part of Tender Document.
- 3- Those intending tenderers/contractors not registered on the website i.e. www.etender.up.nic.in, are required to get registered beforehand. If needed they can be imparted training on online tendering process as per details available on the website i.e. www.etender.up.nic.in.
- 4- The intending tenderer must have digital signature to submit the E-tender
- 5- The Tender Document as uploaded can be viewed and downloaded free of cost by anyone including intending tenderer. But the tender can only be submitted after uploading the mandatory scanned documents such as a UTR No. RTGS/ against EMD & All other documents shall be as per Notice Inviting-tender.
Set of Contract/Tender Documents:
The following documents will constitute set of tender documents:
 - a) Notice Inviting-Tender.
 - b) Quoting Sheet for Tenderer
 - c) Instructions to Tenderers
 - d) Bill of Quantities
 - e) Acceptance of Tender Conditions
 - a) Corrigendum, if any
- 6- The Tenderers are required to Quote Strictly as per terms and conditions, Specifications, Standards given in the tender documents and not to stipulate any deviations.
- 7- After submission of the tender the tenderer can re-submit revised tender any number of times but before last time and date of submission of tender as notified.
- 8- When it is desired by UPAVP to submit revised financial tender then it shall be mandatory to submit revised financial tender. If not submitted then the tender submitted earlier shall become invalid.
- 9- On opening date, the tenderer can login and see the tender opening process.
- 10- Contractor can upload documents in the form of JPG format and PDF format.
- 11- Contractor to upload self-attested scanned copies of all the documents including valid G.S.T. registration copy,

PAN card copy and copy of registration in UPAVP as stipulated in the tender document.



- 12- Tenderer have to provide original document during evaluation of technical bid.
- 13- If the contractor is found ineligible after opening of tenders, his tender shall become invalid and cost of tender document and processing fee shall not be refunded.
- 14- If any discrepancy is noticed between the documents as uploaded at the time of submission of tender and hard copies as submitted physically by the contractor the tender shall become invalid and cost of tender document and processing fee shall not be refunded.
- 15- Not with standing anything stated above, UPAVP reserves the right to assess the capabilities and capacity of the tenderer to perform the contract, in the overall interest of UPAVP. In case, tenderer's capabilities and capacities are not found satisfactory, UPAVP reserves the right to reject the tender.

Certificate of Financial Turn Over: At the time of submission of tender, the tenderer shall upload Affidavit/ Certificate from Chartered Accountant mentioning Financial Turnover of last 3 years or for the period as specified in the tender document and further details if required may be asked from the tenderer after opening of technical tenders. There is no need to upload entire voluminous balance sheet.

In case of Percentage Rate Tender, Contractor must ensure to quote single percentage rate. The column meant for quoting rate in figures appears in pink color and the moment rate is entered, it turns sky blue. The Rate shall be Quoted up to 2 Decimals.

In case of Item Rate Tender, price shall be entered against each item in the Bill of Quantities/ Schedule of Quantities. The cost of item against which the contractor has failed to enter a rate or price shall be deemed to be covered by rates and prices of other items in Bill of Quantities / Schedule of Quantities and no payment shall be made for the quantities executed for items against which rate has not been quoted by the contractor. The column meant for quoting rate in figures appears in pink color and the moment rate is entered, it turns sky blue. The Rate shall be Quoted up to 2 Decimals.

In addition to this, while selecting any of the cells a warning appears that if any cell is left blank the same shall be treated as "0". Therefore, if any cell is left blank and no rate is quoted by the tenderer, rate of such item shall be treated as "0" (ZERO).

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List of Documents to be scanned and uploaded within the period of tender submission:

- a) RTGS in A/c of The Executive Engineer, Electrical Division-I, UP, Avas Evam Vikas Parishad, Lucknow as follows-
 - 1- ICICI BANK Gomti Nagar Lucknow.
 - 2- Account No. 469801000038
 - 3- I.F.S.C.Code-ICIC0004698
 - b) UTR No. of RTGS Amount will be uploaded with Group No. of work.
 - c) Copy of Pre-qualification / Enlistment letter issued by UPAVP.
 - d) Certificate of Financial Turnover duly certified by CA as indicated above.
 - e) Character certificate (Issued by District Administration)
 - f) Solvency certificate (Issued by District Administration)
 - g) All pages in Tendering, Corrigendum (if any) duly signed by the authorized person. In this case decision of Executive Engineer will be the final
 - h) Valid G.S.T. Registration, PAN .
 - i) All documents given in the check list.
- 16- In case of any query, please contact Er.Rahul Kumar Yadav,A.E. And Er. Dhirendra Chandra, E.E.(Ph.No.-8189011363/8795811730)
During Office hours.(10.00 Hrs.to17.00 Hrs)

Contractor

**Executive Engineer
Electrical Division-I
Lucknow**



Instructions to Tenderer (I.T.T.)

1. On Percentage rate from only Registered contractor/firm with the Parishad in relevant category on behalf of Owner are invited for the work of “**Development of Facade Lighting Works at Yatha-Bharat Mata Mandir, Durga Mandir, Kaal Bhairav Mandir, Sankat Mochan Mandir, Annpurna Mandir, Assi Ghat, Panch Ganga Ghat, Dashashwamedh Ghat And Other Major Tourist Places of Varanasi.**” The pre- qualification / enlistment of the contractors should be valid on the last date of submission of tenders. In case the last date of submission of tender is extended, the pre-qualification of contractor should be valid on the original date of submission of tenders.
2. The work is estimated to cost **Rs. 1693.19 Lac (Sixteen Crore Ninety Three Lac Nineteen Thousand Three Hundred and Seventy Seven Only)** This estimate, however, is given merely as a rough guide.
3. The tender document as uploaded can be seen on website www.etender.up.nic.in and can be downloaded free of cost.
4. Mode of Submission: Cost of Tender Document
 Cost of Tender Document as mentioned in NIT required to be submitted along with UTR No. RTGS A/c No.469801000038, IFSC Code No.- ICIC0004698. ICICI Bank Gomti Nagar, Lucknow of Executive Engineer, Electrical Division-I, UP Avas Evam Vikas Parishad, Lucknow. The UTR No. shall be scanned and uploaded to the e-Tendering website within the period of tender submission & The hard Copy of UTR No. Shall be submitted in **The Office of Executive Engineer, Executive Engineer, Electrical Division-I, UP Avas Evam Vikas Parishad, Lucknow upto 21.05.2026**
 Earnest Money Deposit :
 Earnest Money Deposit of amount as mentioned in NIT required to be submitted along with UTR No. RTGS A/c No.469801000038, IFSC Code No.- ICIC0004698. ICICI Bank Gomti Nagar, Lucknow of Executive Engineer, Electrical Division-I, UP Avas Evam Vikas Parishad, Lucknow. The UTR No. shall be scanned and uploaded to the e-Tendering website within the period of tender submission & The hard Copy of UTR No. Shall be submitted in **The Office of Executive Engineer, Executive Engineer, Electrical Division-I, UP Avas Evam Vikas Parishad, Lucknow upto 21.05.2026**
 The EMD of all unsuccessful tenderers will be returned within thirty (30) days of the Award of the contract to successful tenderer. No interest will be payable by the UPAVP on the said amount covered under EMD/Any other Security Deposit.
5. Interested contractor who wish to participate in the tender has also to make following payments in the form of RTGS and uploaded with UTR No to the Tendering website www.etender.up.nic.in within the period of tender submission:
 Cost of Tender Document - **Rs. 7500.00 +18% GST** shall have to be Transferred through RTGS as per tender NIT
 Copy of pre-qualification/enlistment letter and certificate of work experience (if required) and other documents as specified in the tender shall be duly signed scanned and uploaded to the Tendering website within the period of tender submission copy of each shall be deposited in a separate envelope marked as Documents”.
6. The tender submitted shall become invalid if:
 - i. The tenderer is found ineligible.
 - ii. The tenderer does not upload all the documents (including G.S.T. Registration and registration in UPAVP) as stipulated in the tender document.
7. VALIDITY OF TENDER
 The tender for the works shall remain open for acceptance for a period of Ninety (90) days from the date of opening of financial tender. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the UPAVP, then the UPAVP shall, without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money as aforesaid. Further the tenderers shall not be allowed to participate in the retendering process of work. The tenderer has to give the validity of his tender for three months on Rs 100/= non judicial stamp paper & 1/= revenue stamp on it duly signed as per annexure attached.



8. ACCEPTANCE OF TENDER

UPAVP reserves the right to reject any or all the tenders in part or full without assigning any reason whatsoever. UPAVP does not bind itself to accept the lowest tender. The UPAVP reserves the right to award the work to a single party or split the work amongst two or more parties as deemed necessary without assigning any reason thereof. The Contractor is bound to accept the part work as offered by UPAVP after split up at the quoted/negotiated rates.

9. The tenders shall be strictly as per the conditions of contract. Tenders with any additional condition(s)/ modifications shall be rejected.
10. The witnesses to the Tender/Contract Agreement shall be other than the tenderer/tenderers completing for this work and must indicate full name, address, and status/occupation with dated signatures.
11. The acceptance of tender will rest with the UPAVP who does not bind itself to accept the lowest tender and reserves to itself the right to reject any or all the tenders received without assigning any reason thereof. Tenders in which, any of the prescribed conditions are not fulfilled or found incomplete in any respect are liable to be rejected.
12. On acceptance of tender, the name of the accredited representative(s) of the contractor who would be responsible for taking instructions from Engineer-in-Charge or its authorized representative shall be intimated by the contractor within 07 days of issue date of letter of Awards by UPAVP.
13. The tenderer shall not be permitted to tender for works if his near relative is posted in the project office or concerned Office of the UPAVP. The contractor shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any of the officers in UPAVP. Any breach of this condition by the tenderer would render him liable to the withdrawal of the work awarded to him and forfeiture of Earnest Money and Security Deposit. This may also debar the contractor from tendering for future works under UPAVP. For the purpose of operation of this clause a near relative shall mean wife, husband, parents, grandparents, children, grandchildren, brothers, sisters, uncles, aunts, cousins and their corresponding in-laws.
14. The time of completion of the entire work, as contained in contract shall be as mentioned in "Memorandum, which shall be reckoned from the 10th day after issue of the letter of Award by the UPAVP.
15. Canvassing whether directly or indirectly, in connection with tenderers is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable for rejection.
16. The tender award, execution and completion of work shall be governed by tender documents consisting of (but not limited to) Letter of Award/Letter of work order, Bill of Quantities, Special Conditions of Contract, General Conditions of Contract Specifications, The tenderers shall be deemed to have gone through the various conditions related to the execution of work or any other condition which in the opinion of contractor will affect his price/rates before quoting their rates. No claim whatsoever against the foregoing shall be entertained.

17. SCOPE OF WORK

The scope of work covered in this tender shall be as per the Bill of Quantities, specifications instructions, orders issued to the contractor from time to time during the pendency of work. The work will be executed according to the drawings to be released as "GOOD FOR Work" from time to time by the Engineer-in-charge of UPAVP and according to any additions/ modifications/ alterations/ deletions made from time to time, as required by any other drawings that would be issued to the contractor progressively during execution of work. It shall be the responsibility of the contractor to incorporate the changes that may be in this scope of work, envisaged at the time of tendering and as actually required to be executed.

The quantities of various items as entered in the "BILL OF QUANTITIES" are indicative only and may vary depending upon the actual requirement. The contractor shall be bound to carry out and complete the stipulated work irrespective of the variation in individual items specified in the bill of quantities. The variation of quantities will be governed as per clause No. 47 of contract special condition.

**18. CLARIFICATION AFTER TENDERSUBMISSION**

Tenderer's attention is drawn to the fact that during the period, the tenders are under consideration, the tenderers are advised to refrain from contacting by any means, the UPAVP and/or his employees/representatives on matters related to the tender under consideration and that if necessary, UPAVP will obtain clarifications in writing or as may be necessary. The tender evaluation and process of award of works is done by duly authorized Tender Scrutiny Committee and this committee is authorized to discuss and get clarification from the tenderers.

19. ORDER OF PRECEDENCE OF DOCUMENTS

In case of difference, contradiction, discrepancy, with regard to conditions of contract, Specifications, Drawings, Bill of quantities etc. forming part of the contract, the following shall prevail in order of precedence.

- i. Letter of Award, along with statement of agreed variations and its enclosures, if any.
- ii. Description of Bill of Quantity / Schedule of Quantities.
- iii. Special Condition of Contract.
- iv. Technical specifications (General, Additional and Technical Specification) as given in Tender documents.
- v. General Conditions of Contract.
- vi. PWD/CPWD/UPJN specifications (as specified in Technical Specification of the Tender) update with correction slips issued up to last date of receipt of tenders.
- vii. Relevant B.I.S. Codes.



REQUIREMENT FOR PRE-QUALIFICATION OF THE TENDERER

A. EXPERIENCE OF EXECUTION OF SIMILAR WORK:-

The tenderer should have Experience of having successfully completed similar works during last 7 years ending last day of the month previous to the one in which applications are invited should be either of the following in Organized sector :-

Sl.No.	Bid Value	Type of Work Experience	Work done
1	Rs. 1693.19 Lac	External Electrification Work	(i) One similar work costing not less than the amount equal to 80% of Bid Amount. (ii) Two similar Each work costing not less than amount equal to 50% of Bid Amount. (iii) Three similar Each work costing not less than amount equal to 40% of Bid Amount.

Organized sector means Govt./Semi govt. / public sector.

The similar works means commercial work of similar nature as tender being asked for.

Evidence of satisfactory execution of work that have been executed by the tenderer during the last Seven consecutive years in organized sector have to be produced in Appendix "A" enclosed.

The said certificate of experience from the Engineer-in-charge of the work not below than the rank of Executive Engineer or equivalent rank of officers only shall be considered acceptable in Govt. /Semi Govt. / Public Sector organizations.

The Value of executed works shall be brought to the current costing level by enhancing the actual value of work at a simple rate of 7% per annum calculated from the date of completion to the last date of receipt of Bid.

C. Financial Capability: - The cumulative average financial turn over and current liquid assets should be as under for prequalification.

Sl.No.	Bid Value	Average annual financial turnover during the last three years ending 31 March 2025	Liquid Assets
1.	Rs. 1693.19 Lacs	Not Less than 30% of bid value	Not Less Than 15% of bid Value

Proof of liquid asset duly certified from banker shall be uploaded in Appendix B. The certificate issued from Bank shall be current (not older than six months from the date of opening Bid)



**D. TECHNICAL SUPERVISORY STAFF: -
THE TENDERER MUST HAVE THE FOLLOWING STAFF ON THEIR PAY ROLL: -**

Sl.No.	Bid Value	Technical Staff
1.	Rs. 1693.19 Lacs	EXPERT FOR SAME

The declaration for the technical staff by the contractor will be given uploaded in the form attached as appendix „C” (in the presence of Notary public with details of the required staff).

E. MACHINERY TOOLS & PLANTS:-

Tools and Plant: The contractor should have required Tools & Plant for execution of this work. An affidavit on Rs. 10/- Non Judicial stamp paper for availability of these T&P, on this work shall have to be uploaded as per Appendix-D.

F. BID CAPACITY

The bidders who comply with the minimum Qualifying Criteria will be eligible further for consideration of bids (s) only if their available bid capacity is more than the package/ esimated value mentioned in Notice Inviting Prequalification.

The available Bid capacity shall be calculated as under.

Assessed available Bid Capacity= (2*A*N-B) Where

A= Maximum value of electrical engineering works executed in any year during the last five years (updated to the price level of the last year at the rate of 8 percent a year)) taking into account the completed as well as works in progress.

N= Number of years prescribed for completion of the works for which bids are invited. (period up to 6 months to be taken as half-year and more than 6 months as one year)

B= Value, at current* price level, of existing commitments and on-going works to be completed during the next 0.5 Years (period of completion of the works for which bids are invited)

Note : The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Engineer in charge. Not below the rank of an Executive Engineer or equivalent. Calculated available bid capacity statement duly signed by authorized signatory need to be provided by the tenderer.

Notes:

Avarage annual turnover will be considered for Last three financial years taken from audited balance sheet counter signed by C. A.

Proof of liquid asset duly certified from banker shall be submitted (original or attested) on banks. Letter head.

**Executive Engineer
Electrical Division-I
Lucknow**



U.P. Housing and Development Board

Appendix "A"

Experience of Executed Electrical works in Last 07 years

The Following work has been awarded to us (certificate should be submitted by contractor) which was been completed satisfactorily in last seven years on below format .

Sl. No.	Name of Work	Total Value of Work Done (Rs. Lac)	Contract Bond No. and Date of Start	Stipulated Date of Completion	Actual Date of Completion	Whether any compentati on leived for delay
1.						
2.						
3.						
4.						
5.						

The financial position of the firm's is sound and we are capable of executing works in accordance with the specifications and within specified time schedule We have

been cordial, reasonable and are not litigious.

Dated

of Mobile No.

Tel No.

(Office) Fax

No. (Office)

Tel No.

(Resi.)

Fax No. (Resi.)

*Signature of the representative
of firm/contractor*

Dated.....

Signature of Applicant

Seal Notary Public

Name of applicant

(On stamp paper min. Rs. 10.00)



APPENDIX "B"

This is to certify that dealings of M/s.....who have been dealing with us for last years are satisfactory. The balance laying in their various accounts with us amounts to Rs Lac.

The turn over during the year in their accounts have been over Rs. Lacs. on the basis of information available with us . We assess their liquid assets not less than Rs Lacs

Dated.....

Signature of Manager of the Bank

Tel. No.(Office)

Seal of the Bank

OR AS PER BANK'S STANDARD PROFARMA



APPENDIX "C" (Technical Staff)

I/we..... S/o Partners /
 authorized person M/sApplicant of.....
 for prequalification hereby declare that following person(s) is in my/our regular
 employment on the post and from the date mentioned against them.

Sl. No.	Name and Address	Technical Qualification	Post held Regular	Date of Employment	Details of Experience
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					

I/we understand that well experience one graduate and one diploma holder /Electrical Engineering as directed by E/I will have to be deployed by us one the work throughout in case we are entrusted with the execution of the work in question. Details of staff (Like-Aadhar, PAN, Degree/Diploma Certificate etc.) are attached with attested (by Gazetted Officer) latest Photo.

I/We further understand that in the event of non-presence of such engineers the U.P. Housing & Development Board shall deduct @ 25000/(Twenty Five Thousand) or @ 20000/ (Twenty Thousands) as the case may be per months from our bills, which will not be refundable.

I/We further understand that the decision of E/I of the works regard to presence and/or absence of our Engineer from the work shall be final and binding upon us.

Dated.....

Signature of Applicant

Seal Notary Public

Name of applicant

(On stamp paper min. Rs. 10.00)



APPENDIX “D” (Tools & Plant)

I/we.....S/o.....Partners/authorized person m/s
Applicant of above noted work in U.P. Housing & Development
 Board hereby certified that I/We possess the following machinery tools and plants, centering and
 shuttering all in good working conditions

Sl. No.	Particulars of Machinery Tools and Plants, Centering and Shuttering	Estimated Cost (Rs.)	Approximate Age in Years & Months
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

I/we undertake that above machineries and tools & plants will remain in good working condition and in useable form throughout the currency of work.

Dated.....

Signature of Applicant

Seal Notary Public

Name of applicant

(On stamp paper min. Rs. 10.00)



U.P. HOUSING & DEVELOPMENT BOARD

(APPENDIX "E")

कार्य की वारन्टी हेतु शर्त

(दस रुपये के स्टाम्प पेपर पर)

1. निविदादाता द्वारा कार्य पूर्ण होने के उपरान्त हस्तगन की तिथि से 18 माह की अवधि में यदि सम्पादित कराये गये कार्य में कोई भी कमी आती है तो वारन्टी अवधि में उसका निराकरण निविदा दाता द्वारा स्वयं अपने व्यय पर निविदा दाता को सूचना दिये जाने की तिथि से 10 दिन के अन्दर करना होगा। साथ ही परिवर्तक की गारण्टी हस्तगन की तिथि से यू0पी0पी0सी0एल0 द्वारा निर्धारित समय सीमा तक की होगी।
2. कार्य पूर्ण होने के उपरान्त हस्तगन की तिथि से विद्युत विभाग को शर्तानुसार निर्धारित अवधि तक सम्पादित कराये गये कार्य की वार्ड एवं वाच का उत्तरदायित्व फर्म का होगा। जिसके लिए अलग से कोई भुगतान नहीं किया जायेगा।
3. निविदादाता की उपरोक्त वारंटी के विरूद्ध जमानत धनराशि 10 प्रतिशत कार्य पूर्ण होने की अवधि के पश्चात् इंजीनियर इंचार्ज की संस्तुति पर अवमुक्त की जायेगी।
4. यदि निविदादाता द्वारा विभाग द्वारा सूचना देने पर 10 दिनों के अन्दर उक्त कमियों का निराकरण नहीं किया जाता है अथवा निर्धारित अवधि में कार्य पूर्ण नहीं किया जाता है तो विभाग द्वारा नियमानुसार कार्यवाही की जायेगी।
5. निविदादाता द्वारा लेबर वर्कमैन की सुरक्षा हेतु समस्त सावधानियाँ अपने स्वयं के व्यय पर की जायेगी। यदि कार्य के दौरान किसी प्रकार की कोई दुर्घटना / लेबर कैजुयलिटी घटित होती है तो उसके जिम्मेदार स्वयं निविदादाता होगा।

उपरोक्त सभी कथन से मैं सहमत हूँ।

निविदादाता के हस्ताक्षर -----

निविदादाता फर्म का नाम -----

पता -----

दिनांक -----



NIT No.	337/M-6 ED-I/63 Dt. 21.04.2026
NAME OF WORK :	Development of Facade Lighting Works at Yatha-Bharat Mata Mandir, Durga Mandir, Kaal Bhairav Mandir, Sankat Mochan Mandir, Annpurna Mandir, Assi Ghat, Panch Ganga Ghat, Dashashwamedh Ghat And Other Major Tourist Places of Varanasi.

(APPENDIX "F")
ACCEPTANCE OF WARRANTY

(To be given on Rs.10.00 Non Judicial Stamp Paper)

I on Behalf of M/s
..... acce
pt
the following conditions of warranty-

The Contractor shall be liable to rectify the defects in the Above Mentioned Work within 18 Months (for Transformer, as per UPPCL Latest Guidelines) from the date of Handing Over. If the Contractor fails to rectify the defects, his General Security or 1 % of contract Amount Whichever is available shall be forfeited and the contractor shall be blacklisted (As per HQ (CE's) Letter No. 2606/M-42 Dt. 12.07.2003

Signature of Tenderer



(APPENDIX "G")
(100.00 रुपये के स्टाम्प पेपर पर)

समक्ष:- उ० प्र० आवास एवं विकास परिषद

मैं शपथी.....पुत्र.....निवासी.....
निम्न कथन करता हूँ कि

1. यह कि दिनांकको की गयी निविदा के विरुद्ध मेरी फर्म मै०..... द्वारा कार्य में प्रयुक्त सामग्रियों की वारण्टी विद्युत विभाग को हस्तगत के समय हस्तगन मेमो में उल्लिखित शर्तानुसार निर्धारित अवधि तक होगी। (परिवर्तक की यू०पी०पी०सी०एल० द्वारा निर्धारित समय सीमा तक की होगी)

शपथी

सत्यापन

शपथी द्वारा दिये गये कथन क्रम सं०-1 पूर्ण सत्य एवं सही है। आज दिनांक को हस्ताक्षर बनाकर सत्यापित किया।

शपथी



NAME OF WORK : Development of Facade Lighting Works at Yatha-Bharat Mata Mandir, Durga Mandir, Kaal Bhairav Mandir, Sankat Mochan Mandir, Annpurna Mandir, Assi Ghat, Panch Ganga Ghat, Dashashwamedh Ghat And Other Major Tourist Places of Varanasi.

(APPENDIX "H")
AGREEMENT FORM

(For Validity of Rates: To be given on Rs.100.00 Non Judicial Stamp Paper with Rs.1.00 Revenue stamp Affixed on it and Signed)

Name of Tenderer:

In consideration of Housing Commissioner, U. P. Housing and Development Board having treated the tenderer been eligible person whose tender may be considered, the tenderer hereby agree to the conditions that the proposal in response to the above invitation shall not be withdrawn within three months from the date of opening of the tender and also to the condition that if there after the tenderer does withdraw his proposal within the said period, the earnest money deposited by him may be forfeited to the U. P. Housing and Development Board, in discretion of latter.

And the tenderer hereby also agrees that if subsequent to the submission of his tender the tenderer amends, alters or modifies the content of this tender which is not acceptable to the U.P. Housing and Development Board then the tenderer shall be for purpose of the aforesaid conditions, deemed to have drawn his proposal.

Signed thisday of 20.....

Witness :

1.

Signed By

2.



(APPENDIX "I")

(100.00 रुपये के स्टाम्प पेपर पर)

समक्ष:- उ० प्र० आवास एवं विकास परिषद (शपथ पत्र)

- मैंपताउपरोक्त का निवासी हूँ। मैं शपथ पूर्वक निम्न घोषणा करता हूँ-
- मेरे पास पर्याप्त चल व अचल सम्पत्ति है और व्यावसायिक रूप से मैं उ० प्र० आवास एवं विकास परिषद के निम्न कार्य को पूरा करने को सक्षम एवं समर्थ हूँ। मेरे पास आवश्यक मशीने एवं उपकरण आदि भी हैं तथा मुझे इस कार्य का पर्याप्त अनुभव है।
 - उ० प्र० आवास एवं विकास परिषद द्वारा जो (कार्य का विवरण लिखा जाये)..... कराने को निविदा निर्गत की गई है। उसके लिए मैं विभाग द्वारा निर्धारित प्रारूप पर निविदा भर रहा हूँ।
 - मेरे द्वारा दिये जा रहे प्रमाण पत्र में हैसियत प्रमाण पत्र एवं सुसंगत अभिलेख आदि मूलरूप में निविदा पत्र के साथ संलग्न कर दिये गये हैं।
 - मेरा पैन नं०है तथा आयकर विभाग द्वारा प्रदत्त नवीनतम आय प्रमाण संलग्न है।
 - मेरे विरुद्ध आपराधिक मुकदमा नहीं है।
 - मैं उ० प्र० आवास एवं विकास परिषद अथवा राज्य सरकार के अन्य विभागों द्वारा ब्लैक लिस्टेड ठेकेदारों की सूची में नहीं आता हूँ। मैं आपराधिक गतिविधियों माफिया तथा गैंगेस्टर गतिविधियों एवं संगठित अपराध करने की गतिविधियों और असमाजिक कार्य आदि में लिप्त नहीं हूँ। मैं माफिया व अपराधी नहीं हूँ। मेरा चल-अचल कार्य तथा आचरण उत्तम है।
 - मेरे विरुद्ध जनपद में एवं प्रदेश में कोई भी मुकदमा दर्ज नहीं है।
 - यदि ठेका प्राप्त करने के पश्चात मेरे विरुद्ध माफिया गतिविधियों असमाजिक गतिविधियों संगठित आपराधिक गतिविधियों में लिप्त होने के बारे में कोई शिकायत पाई जाती है तो सक्षम अधिकारी को यह अधिकार होगा कि वे मेरा ठेका निरस्त कर दें। इस पर मुझे आपत्ति नहीं होगी। मेरे द्वारा यदि विभाग राज्य सरकार के विरुद्ध कोई आपराधिक कृत्य किया जाता है अथवा सरकारी धन का गबन किया जाता है तो सक्षम अधिकारी को यह अधिकार होगा कि वे मेरे विरुद्ध आपराधिक मुकदमा नियमों के अन्तर्गत दर्ज करायें।
 - मैं अनुबन्ध की शर्त के अनुसार समय से पूरी गुणवत्ता के साथ तथा निर्धारित विशिष्टियों के अन्तर्गत कार्य पूर्ण करूंगा।
 - मेरा कार्य तथा आचरण उत्तम है।
 - स्थाई पूरा पता (पिन कोड एवं दूरभाष सहित).....
 - अस्थाई पूरा पता (पिन कोड एवं दूरभाष सहित).....
 - मैं शपथ पूर्वक घोषणा करता हूँ कि उपरोक्त पते पर रहता हूँ तथा विभाग द्वारा प्रदान किये गये कार्य को पूरा होने तक मेरे पते में सामान्यतः कोई परिवर्तन नहीं होगा यदि अपरिहार्य परिस्थितियों में किसी पते में परिवर्तन होता है तो इसकी सूचना तत्काल अधिशासी अभियन्ता, विद्युत खण्ड-प्रथम को दूंगा।
 - मैं अपनी पूर्ण जानकारी में पूरे होश हवाश में स्वस्थ चित्त में पूरी सत्य निष्ठा से तथा स्वेच्छा से शपथ पत्र लिख कर दे रहा हूँ। ईश्वर मेरी मदद करे।

दिनांक

शपथी के हस्ताक्षर
पूरा नाम
पता



(APPENDIX "J")

उ० प्र० आवास एवं विकास परिषद

नियम/ शर्त को मान्य करने हेतु शपथ पत्र
(दस रुपये के स्टाम्प पेपर पर)

मैंपुत्र..... पताउ० प्र० आवास एवं विकास परिषद के
.....(कार्य का नाम) निविदा में दिये गये समस्त नोटिस/कन्डीशन को ध्यान पूर्वक पढ़ लिया है एवं
प्रत्येक दशा में यथावत रूप में मान्य करने की सहमति प्रदान करता हूँ।

निविदादाता का नाम.....

.....

पता.....

.....

गवाह:

1. हस्ताक्षर.....
नाम.....
पता.....
.....

2. हस्ताक्षर.....
नाम.....
पता.....
.....



U.P. HOUSING & DEVELOPMENT BOARD

Appendix "K"

Existing commitments and on-going works:

Description of work	Place & State	Contract No. & Date	Name & Address of Employer	Value of Contract (Rs. In Lakhs)	Stipulated period of completion	Value of works remaining to be completed (Rs. In Lakhs)	Anticipated Date of completion
1	2	3	4	5	6	7	8

Dated.....

Signature of Applicant

Seal Notary Public

Name of applicant

(On stamp paper min. Rs. 10.00)



U.P. HOUSING & DEVELOPMENT BOARD

SPECIAL CONDITIONS

GENERAL

1. These special conditions shall be read in conjunction with the General Conditions of the contract. Where the provisions of these special conditions are at variance with the provisions of the General Conditions of the contract, the provisions of these special conditions shall take precedence.
2. The contractor is expected to be well conversant with the conditions of GPW Form 9 as applicable to works (General conditions of the contract) which shall be part of the agreement.

REGARDING MATERIALS:

3. All the materials (except supplied by the Department) for the works shall be arranged by the contractor at his own cost.
4. All the material collected by the contractor during execution of work or otherwise shall be properly stacked & arranged as directed by the Engineer-in-charge
5. The contractor is to stack the materials on site which shall be under full watch and ward and responsibility of contractor himself.
6. The Engineer-in-charge shall have the right to take sample for testing as per UPHDB norms or as decided by the Engineer in Charge and get it tested. The contractor shall bear all charges of sampling, carriage and testing etc.
7. (a) The material shall be stored at site of work as per relevant IS Code and shall be kept under the custody of the contractor at his own cost.
8. The material conforming to relevant IS code / Specifications of approved brands by Parishad shall be used by contractor which shall be purchased from authorized dealer / Manufacturer. Contractor will have to submit bills of purchase & quality certificates for verification before use.
9. The contractor shall provide at his own cost proper storage facility for the materials brought by him to prevent any loss, Damage or deterioration of the same.
10. The Contractor shall make arrangement for watch and ward of the material at his own cost.
11. All the materials and workmanship shall be as per specifications described in the contract and in cases not covered in the contract these shall be in accordance with the E/I's instructions those shall be subjected to tests as the E/I may direct at places of manufacture/ at the work site or in the UPHDB laboratory or any recognized Laboratory in or out side UPHDB. The contractor shall supply sample of the materials to get them approved before using in the work. The cost of conveyance, labour and materials for examining the work and for proper completion required for testing purpose, testing charges on the same shall be borne by the contractor and no extra payment shall be made for the same by the department. No testing charge for internal laboratory of UPHDB shall be charged from the contractor.
12. Samples make of materials/equipment and item of work shall have to be approved by the contractor from E/I before execution.

LABOUR REGULATIONS:

13. The contractor will have to follow all existing rules and regulations of the govt. and labour department regarding the labour employed by him without entitling him for any extra claim on this account.
14. The contractor shall be responsible for the damage(s) done to any property or injury to any person whatsoever caused by him or anybody in his employment or caused in consequence of his work. He will indemnify and keep the govt. indemnified against claims demands proceedings charges. Cost charges and expenses whatsoever in respect of or in relation to any such injuries or



damages. The contractor shall take all necessary precautions for the safety of his employees on the work and shall comply with all applicable provision of safety laws and building codes to prevent accident or injuries to persons on the work.

EXECUTION OF WORK:

15. All drawings and designs will be supplies according to the necessity of the particular works and the contractor will not have any claim for compensation in case of late supply of necessary design drawings.
16. For carrying out the work the contractor shall be provided with one set of working drawings. Additional copies if required will be supplied to him on payment of additional charges as decided by Engineer-in-charge.
17. The work shall be executed as per program drawn by contractor and accepted by the E/I.
18. If Engineer-in-charge, UPHDB shall find that the work progress is slow. And feels that the work will not be completed in the time specified, then the engineer-in-charge, shall order the contractor to work day and nights, and/or on holidays and the contractor shall obey these orders without objection or request for compensation. No compensation whatsoever shall be paid on this account.
19. In the event of working at night, the contractor shall provide sufficient lighting, safety arrangements for working staff to the satisfaction of the engineer-in-charge/ Executive Engineer, Electrical Division-I, U.P. Housing & Development Board, Lucknow. Any order or approval issued under this clause by the engineer-in-charge/ Executive Engineer, Electrical Division-I, U.P. Housing & Development Board, Lucknow shall not relieve the contractor from or diminish his obligations under the contract.
20. प्रश्नगत निविदा की बीओ0क्यू0 में प्रयुक्त सामग्रियों में ब्राण्ड का निर्धारण अभियंत्रण अनुभाग के कार्यालय आदेश संख्या-4110/एम-7(4) दिनांक 27.12.2023 के अनुसार किया जायेगा। फर्म / ठेकेदार को सामग्रियों की आपूर्ति से पूर्व इंजीनियर इंचार्ज से अनुमोदन प्राप्त करना अनिवार्य होगा।

Executive Engineer Electrical
Division-I Lucknow



DETAILED SPECIFICATIONS FOR EXTERNAL ELECTRIFICATION WORK

GENERAL

1. These specifications cover the requirement's for installation testing & commissioning of overhead H.T. & L.T. lines.
2. All the work shall be carried out as per detailed specification as under and direction of Engineer-in-charge. Any dispute regarding execution of any item of work shall be decided on the basis of detailed specification and analysis of Parishad schedule of rates.

Specification No.

1. Poles

Overhead lines shall be supported on poles. Normally L.T. line shall be constructed on 8.50 mts. Lone P.C.C. poles or 9.00 mts. Long steel tubular poles. The H.T. line and composite mains shall be erected on 12 mts. Long steel tubular poles SP-61 or 13 mtr. Long steel tubular poles SP-71 or 90/105 lbs. Rails 12 mtr/13 mtr. Considering minimum ground clearance as per I.E.R. 1956 rule 76 and 77 respectively as per requirement of approved design.

8.5 Meter Long P.C.C.Poles

Solid section pre-stressed cement, concrete pole shall be suitable for use in overhead L.T. distribution line & also suitable for a working load of 180 kg applied 300 mm below top. The overall length of pole shall be 8.5 mts having depth of plantations as 1.42 mts. Suitable for plantation direct into ground when used in straight line position. The structural strength of pole in longitudinal direction shall be at least one fourth of the strength in transverse direction. For earthing G.I. Wire No. 8 S.W.G. shall be embedded with projecting length of 150 mm at 300 mm from top and 150 mm at 135 mm from bottom. The pole shall conform to IS 1678-1960, IS 134-1960 and IS 456-1964 (latest addition/Revision.)

Two number holes of 18mm dia for F or L bracket shall be provided at the top of the pole. The centre of first hole shall be at distance of 100 mm from top of the pole. The centre to centre distance of two holes shall be 100 mm. Apart from above necessary lifting hooks may also be provided.

The steel tubular pole will be painted with the black bituminous rust resisting coating upto $(1/6^{\text{th}} + 30 \text{ cm})$ of its length from the bottom inside and outside both. The pole will be having M.S./phinal cap duly fixed on the top of S.T. pole with the help of **three bolts** of 10 mm dia or with some other suitable arrangement as per direction of E/I. The pole will also include the M.S. base plate of 300x300x6 size.



Details of Various Sizes of S.T. Poles Are Give As Under.

Detail	Unit	SP-2	SP-6	SP-18	SP-32	SP-61	SP-71
Over all length	M	7.00	7.5	8.5	9.00	12.00	13.00
Approx Weight	Kg	73	93	104	154	245.00	333.00
Planting depth	M	1.25	1.25	1.50	1.5	2.00	2.00
Load applied from top as a distance of	M	0.30	0.30	0.30	0.30	0.60	0.60
Height above ground	M	5.75	6.25	7.00	7.50	10.00	11.00
Length of bottom section	M	4.00	4.50	5.00	5.00	5.80	5.80
Middle	M	1.50	1.50	1.75	2.00	3.10	3.60
Top	M	1.50	1.50	1.75	2.00	3.10	3.60
Outside dia & thickness of bottom	mm	114.3x 4.5	114.3x 5.4	114.3x 5.4	165.10x 4.85	193.7x 4.85	219.1x 5.60
Middle	mm	88.9x 4.05	88.9x 4.85	88.9x 4.85	139.7x 4.50	165.10x 4.50	193.7x 4.85
Top	M	76.1x 3.25	76.1x 3.25	76.1x 3.25	114.3x 3.65	139.70x 4.50	165.10x 4.50
Breaking load	Kg	316.00	329	301	564	594.00	787.00
Crippling load	Kg	224	241	214	393	422.00	559.00
Load for permanent set not exceeding 13 mm	Kg	154	165	146	269	289.00	382.00
Joint length in Cm.	Cm	25.30	25.30	25.30	25.30	25.35	30.35

NOTE:-

The weight of S.T. poles as provided in IS code may be accepted if it is within the prescribed tolerance limit, but proportionate deduction of rate for poles of lesser weight shall be made @ Rs. 25.00 per Kg. As compare to the prescribed standard weight.

Errection of Supports

Normally 1/6th of the support shall be buried in the ground. The P.C.C. pole shall be fixed on a stone pad of size 300x300x75 mm. In case of rail support the size of stone pad will be of size 400x400x125 mm steel tubular pole shall be fixed on base plate only.

Grouting of Supports

P.C.C and steel tubular supports shall be grouted in cement concrete in the ratio of 1:4:8 (1-cement, 4 fine sand, 8-brick ballast of 40 mm size). The concreting of the poles shall be done around the supports and over all diameter of the grouting



including support will be 45 cm and the grouting height shall be from the bottom supports to a height of 10 cm below the ground level. The plinthing of the pole shall be done from top of base concrete upto to a height of 30 cm above ground level (i.e. 40 cm total) with 1:4:8 cement concrete (1 cement 4 coarse sand and 8 stone grit of 20 mm nominal size) The plastering of plinth shall be done from the top of the plinth upto 10 cm below the ground level in cement and fine sand mortar in a ratio of 1:4 cement (1-cement, 4 fine sand) The excavated portion of the ground should be filled back with earth and consolidated properly and excess earth shall be removed. The proper curing of the plinth shall be done by the contractor. The rail support shall be grouted and plinthed in 1:4:8 cement (1-cement, 4 C-sand, 8-stone grit of 20 mm nominal size) in the same manner as mentioned above.

Painting of Supports

All the supports will be painted with synthetic enamel paint of approved quality as per direction of E/I. With following details.

P.C.C. Pole

These poles will be painted with suitable enamel paints in strips of 20 cm with white and P.O. red enamel paints in alternate layers upto a height of 1.00 mtr. above plinth level. The plinth shall be white washed with two coats of lime colour.

Steel Supports For H.T./Composite Mains

The steel supports will be painted with one coat of red oxide paint of approved quality in entire length above ground level. The whole pole will be painted with two coats of Aluminium paint of approved quality in case of L.T. supports and from the top upto a depth of 45 cm below H.T. cross arm/guarding arm in case of H.T. supports. The rest top part of the H.T. support will be painted in two coats of synthetic enamel P.O. red colour. These poles will be further painted in two coats in strips of 20 cm above plinth level upto a height of 1.00 mtr. With alternate strips of P.O. red enamel paint and white enamel paint. The plinth shall be white washed with two coat of lime colour.

Steel Pole For L.T Line

The supports will be painted in one coat of red oxide paint of approved quality above ground level and will be further painted in two coats of approved quality of aluminium paint. These poles will further be painted with P.O. red enamel paint in two coats of alternative strips of red & white enamel paint of 20 cm above plinth level upto a height of 1.00 mtr. The plinth shall be white washed with two coat of lime colour.

Numbering of Poles

All supports will also be numbered with black synthetic enamel paint of letter size 75x12mm in a circle of 15 cm in a yellow synthetic enamel paint



at a height of
2.0 m from ground level.

2. Pole Clamps

These shall be made of M.S. flat of size not less than 50x6 mm complete with nut bolt of size not less than 16 mm in dia washer and insulator bolt hole etc. Suitable C.I. packing piece as per direction of E/I. Clamps made of 75x10 mm M.S. flat shall be used for H.T. Cross arm and guarding channel in steel tubular pole and rail supports. The clamps shall be painted with red oxide primer before erection and finally painted with two coats of aluminium paint. The earth wire clamp shall be fixed below 75 mm from top and insulator clamp at 200 mm below the earth wire clamp for L.T. lines. The clamps shall be made as per drawing and direction E/I.

3. Cross Arms for H.T. Lines:

The straight cross arms shall be made of M.S. channel of size not less than 100x50 mm. The length of C.A. shall not be less than 1.380 M. The „V“ shape C.A. shall be made of single piece of M.S. channel of size not less than 75x40 mm (5.7kg/m) and shall have provision to accommodate 2 insulators with spacing of 1220 mm between the conductors. The M.S. Channel will be in one length and shall be suitably fabricated and welded at bending points. The sample shall be got approved by E/I. The channel C.A. Moulded at the top for fixing G.I. Pin shall not be less than 150 mm in length. The height of both ends shall be 460 mm from bottom & width of bottom where it is fixed with the pole shall be 350 mm. The guarding channel shall be of 75x40 mm (5.7 kg per meter) size 2240 mm in length for carrying the guard wire so that it runs not less than 480 mm beyond the outer most bare conductor. The size of nut bolt used for fixing the cross arms and guarding channels etc. shall not be less than 16 mm in dia. The arms shall be painted with red oxide primer before erection and finally painted with 2 coats of P.O. red enamel paint.

4. F-Bracket

It shall be made of M.S. flat of size 50x8 mm. The upper portion of F-Bracket shall be bend at right angle upto a length of 60 cm. The lower arm of F-Bracket shall be welded properly at a distance of 75 mm from top arm. Both the arms shall have holes in the centre of 22 mm dia to accommodate 11 KV pin. The vertical length shall be 385 mm with 2 Nos. holes of 18 mm dia and 100 mm apart from 25 mm from bottom.



5. E-Bracket

It shall be made of 50x8 mm M.S. flat of vertical length 200 mm with right angles bend on both sides upto a length of 60 mm. The centre arm shall be welded properly. All the arms three shall have holes in the centre of 22 mm dia to accommodate 11 KV pin.

6. Shackle Strips

It shall be galvanized steel of 230x32x3 mm/355x40x4 mm size with 18 mm dia holes for shackle insulator pins with 155x16 mm or 115x16 mm G.I. bolts nuts and washers as per actual requirement and directions of E/I.

7. L.T. Insulators

The conductor shall be supported on shackle type insulators size 75x90mm or 100x115 mm as required. The insulators shall be fixed directly on clamps. The minimum size of shackle insulator shall be 90/100 mm in dia and 75/115 mm high. The shackle insulator shall be complete with M.S. bolts nuts and washer etc. confirming IS 1445-1966. The size of the insulators to be used shall be as per direction of E/I. The dia of bolt should not be less than 16 mm.

8. 11KV Disc/Pin Insulator

It shall be of standard design as per ISS. The DISC type 11 KV insulator shall be of ball & socket type and of 7000 Kg mechanical strength.

9. Stay Set

Normally the stay set shall be erected 3.50 mtr. away from the pole (as per site requirement this distance may vary) complete with 16mm dia and 1.80 M long

G.I. Stay rod, 152x152x6 mm G.I. anchor plate, G.I. thimble, M.S. stay clamp of 50x6 mm M.S. flat, stay insulator 75x125 mm, 7/10 SWG stay wire on L.T. line supports, H.T. supports and composite main supports as per direction of E/I. The grouting of stay rod shall be done in cement concrete of size 600x600 mm continued upto 300 mm in the ratio of 1:4:8 (1-cement, 4 fine sand, 8- 1st class brick ballast of 40 mm size) including fixing of stay clamp, bolt & nuts of 65x16 mm dia binding nozzling, tensioning of stay wire etc. complete in all respect as per direction of E/I. and drawing.

10. Strut Stay:

A strut shall generally consist of a support of a suitable size and type. It shall be chamfered (in case of P.C.C pole) at the top so as to rest on the pole squarely and shall be



secured through bolt nut of 16 mm dia chuck nut and washers with the help of 2 nos. 50x6 mm M.S.clamp. It shall be buried in ground to a depth not less than $1/6^{\text{th}}$ of length of the strut support in manner as the pole or actual site requirement as per direction of E/I. At the G.L. the strut shall be at a distance not less than 1.8 mtr from the pole or as per site requirement, grouting, plinthing, plastering painting shall be done as being adopted in case of various type of supports.

11. Fly stay:

Fly stay shall consist of a support of suitable size & type and shall be grouted in the same manner as the PCC/Steel pole grouted and specification of pole including stay set (as specified) with fixing of M.S. flat clamp 50x6 mm fly stay wire shall be of size 7/10 SWG, G.S. wire with a turned buckle of 16mm dia and stay insulator of not less than a size of 75x125 mm.

12. Earthing of Poles:

Earthing shall generally be carried out in accordance with the requirement of

I.E. rule-1956 ammended from time to time relevant regulation of the Electricity Supply Authority. The U.P.P.C.L is adopting the following method of pole 3.00 m from support duly joint with 7/16 G.S. wire running horizontally below 60 cm from ground level shall be connected with strip of size 50x6 mm with hole of 14 mm to be welded and will go upto the earth wire of over head line continuously through 15 mm dia (0.961 kg/m) G.I. Pipe 2.00 M long suitably clamped with the support and the clamp will be made of 20x3 mm M.S. flat. The earth wire shall be connected. With rod by nut bolt & washer arrangement.

13. Conductor:

Aluminium conductor steel reinforced (ACSR) as per IS 398-1961 with the latest amendment shall be used. The minimum size of ACSR conductor shall be of code name „WEASEL“ & maximum size of conductor shall be „DOG“ the binding of conductor with insulators shall be done with 12 SWG soft aluminum conductor with 5 rounds of binding in the grooves of insulators and 40 mm on both sides of insulator. The earth/guard wire shall be of G.I. 6SWG and shall have required breaking strength and current carrying capacity to ensure rendering dead the line without risk of fusing of guard wire. It should be connected with earth at each point at which its electrical continuity is broken. The conductor shall be stringed properly and care will be taken to see that there is no kinks in the conductors. Joints in the conductors must be gripped securely. While stringing conductor sufficient length must be kept at shackle termination for making jumpers. The jumpers shall be so made as to prevent occurrence of fault due to winds or birds. The parallel groove clamps may be preferred to binding of conductors at jumpers. Jumpers will normally be of same



materials as the line conductor and be of adequate current carrying capacity. The binding of conductor to the insulator shall be sufficiently firm and tight to ensure that no intermittent contracts develop.

Clearance Above Ground Of The Lowest Conductor

1. No conductor of an over head line including service lines erected across a street shall at any part there of be at a height less than.
 - a. For Low and medium voltage lines 5.485 M (19 ft.)
 - b. For high voltage lines 5.791 M (20 ft.)
2. No conductor of an overhead line or service lines erected along the any street shall at any part there of be at a height less than.
 - a. For Low and medium voltage lines (18 ft.)
 - b. For high voltage lines (19 ft.)
3. No conductor of an overhead line including service lines erected else where (cross country) than along or across any street shall be at a height less than.
 - a. For Low, medium and high voltage lines including 11000 Volts if bare 4.572 M (15 ft.)
 - b. For Low, medium and high voltage lines upto & including 11000 Volts if insulated 3.963 M (13 ft.)

Clearance From Building of Low and Medium Voltage Lines And Service Lines.

1. Where a low or medium voltage overhead line passes and or adjacent to or terminates over any building the following minimum clearance from any accessible point on the basis of maximum sag shall be observed.
 - a. For any flat roof, open balcony, verandah roof and lean to roof.
2. When the line passes above the building a vertical clearance of 2.439 M (8 ft) from the highest point.
3. When the line passes adjacent to the building a horizontal clearance of 1.219 mtr. (4 ft.) from the nearest point.

For Pitched Roof

When the line passes above the building vertical clearance of 2.439 M. (8 ft.) immediately under the lines.

When the line passes adjacent to the building a horizontal clearance of 1.219 M (4 ft.)

NOTE:

Construction of overhead lines may include cutting of branches of tree or clearing of other obstructions that may come in the way of overhead lines. This must be done with the approval of E/I and with the permission of owners concerned.

14. Guarding:

The loop guard for L.T. line and lacing wire for guarding of H.T. lines shall be of 6 SWG, G.I. wire and shall require breaking strength and current carrying capacity to ensure rendering dead the line without risk of fusing of guard wire.



Suitable number of guard wire shall be provided. Hexagonal guarding shall be spaced at distance 1.0 to 1.50 m away from the pole and the cradle guarding shall be spaced across the span at a interval of 3 m from cross lacing or as per direction of E/I, the number bearer wire/earth wire for H.T. line guarding shall be done by 7/16 SWG, GS wire Binding of loop guard and lacings shall be done by 16 S.W.G.G.S. wire spread upto a length of 40 mm both sides.

15. Danger Board

It should be made of 14 S.W.G.M.S. plate size 200x150 mm for 400 voltage and 550 x 200 mm for 11 KV installations as per approved sample including drilling holes of suitable size fixing the plate with 20x3 mm M.S. flat iron clamp by nuts, bolts and washers and shall be fixed wherever specified as per direction of E/I.

16. Double Pole Structure (Section/Dead Type)

Poles shall be at a distance of 1800 mm centre to centre and straight M.S. Channel shall be 100x50 mm (7.9 kg/Per meter) 2.24 meter long for cross arm and for guarding M.S. Channel size not less then 75x40 mm (5.718 kg./m) 2.24 meter long and iron angle 50x50x6 mm (4.5 kg/m.) shall be used for bracing the structure as per drawing. All the clamps suitable for channel and angle iron shall be made of 75x10mm & 50x6 mm flat iron respectively with nut, bolts and washers etc. of 16 mm dia whole of the structure and fitting shall be painted with 1 coat of red oxide primer and 2 coat of aluminium paints and P.O. red namel of approved quality as per direction of E/I.

Suitable for Pole Mounted Transformer:

Three M.S. channels each of size 100x50 mm(7.9 kg/m) length 2240 mm one of D.O fuse set and the other two for transformer bench and ladder stand made of angle iron size 65x65x6 mm with 3 Nos. 250x16 mm M.S. bolts, projected out side about 60 mm from structure duly fabricated will be added with the help of clamp and nuts as required in the above dead and end/section double pole structure, as per drawing and direction of E/I. It will be painted with two coats of post office red colour enamel paint/whole enamel over one coat of red oxide primer. The bolt with nut and washer will be used of suitable size but of dia not less than 16 mm.

Suitable for Plinth Mounted Transformer:

It will be similar to pole mounted type D/P structure but in this case transformer bench will not be constructed but one channel size 100x50 mm of suitable length duly painted at suitable height will be fixed for droppers as per drawing and direction of E/I. The grouting, plinthing, plastering and painting of all



the above structures will be in the same manner as already specified for respective type of supports.

17. Four Poles Structure

The pole will be grouted plinth plastered and painted in the same manner as already specified for respective types of supports at a distance 2050 mm centre to centre. Two Nos. Rails pieces of same section as the supports and approx. 2200 mm will rest on the top of the Rail duly fabricated and bolted with the channel size 100x50 mm (7.9 kg/m.) already fixed. One No. Rail pieces of same section and length 2350 mm will be placed on both the Rail pieces in the centre and fastened by means of 4" type clamps made of 50x6mm M.S. flat for providing chain tackle for loading, unloading of transformer. Two Nos. Rail pieces of same section and length about 1900 mm duly fabricated will be fixed on 75x75x6 mm M.S. angle iron pieces of suitable length already bolted with vertical erected Rails at a height not less than half of the Rail length above ground level and balance 2 Nos. Rails pieces of 2350 mm length will rest on 1900 mm length Rail pieces shall be fixed in the same manner as the top Rail pieces.

18. Transformer Plinth

The outer size of plinth excluding plaster will be 2.0x1.25 mtrs. and 1.00 mts. High above ground level.

The trench will be excavated 30 cm. deep and 65 mm in width plinth will be made of 35 cm thick wall of 1st class brick work in 1:6 (1 cement, 6 fine sand) mortar of height 45.5 cm over 7.5 cm thick cement concrete in the ratio 1:6:12 where 1 cement, 6 part fine sand and 12 parts 40 mm nominal size OBB. super structure of height 57 cm. will be made of 35 cm thick all of 1st Class brick work in the same mortar. The open space (duct) will be filled with brick bats, 8 cm thick cement flooring in the ratio 1:4:8. The whole of the plinth shall be plastered in the mortar of ratio 1:4 cement and fine sand. Two Nos. M.S. Channel (size 75x40 mm) 1.50 meter length duly welded or bolted with 6 Nos. M.S. hold fast will be provided on which transformer will rest. Four Nos. stoppers are to be provided with M.S. Channels to avoid slipping of Transformer. The above construction will be made in accordance with specification of U.P.P.W.D and as per direction of E/I.

19. Fencing Plinth and Providing Flat Bricks Soling

The trench will be excavated 30 cm. deep and 30 cm wide. The plinth will be constructed upto 15 cm above the ground level with 23 cm thick wall in the 1st class brick work in mortar 1:6 (1 cement, 6 fine sand) over 75 mm thick cement concrete in the plastered in the mortar of cement and fine sand in the ratio 1:4 (1 cement, 4 fine



sand). The remaining portion of cage will be covered with flat brick soling over a base concrete of 1:6:12 as mentioned above and cement pointing shall be done in the ratio of 1:2 cement and fine sand.

20. Transformer/Sub-Station Earthing:

Earthing shall generally be carried out in accordance with the requirement of Indian Electricity Rules, 1956 as amended from time to time and relevant regulations of electric supply authority concerned. A.G.I plate of 900x900x6 mm size buried vertically for earthing with its top at least 6 meter below the ground level or water level which ever comes earlier with two nos. G.S. wire of size 7/8 SWG as per direction of E/I connected with plate by means of lugs and G.I. Nut bolts & washer from earth plate to the neutral body of the transformer through G.I. pipes 2.00 mts. in length of 40 mm dia (3.29 kg/m) suitable clamped by M.S. flat of size 20x3 mm at two places with support and the lightning arrestor, distribution board/ L.T. A.C.B. as per direction of E/I. The earth plate shall be covered alround by 150 mm thick alternate layers of salt and charcoal.

21. 11 K.V.T.P.M.O.

The switches are 3 pole hand operated single break without earthing contact plate and suitable for vertical mounting and double pole/four pole structures & are capable of quick, simple, effective and simultaneous operation and comply with ISS-1818-1972.

Specifications:

Nominal system voltage	11 KV
Rated voltage	12 KV
Rated Frequency	50 c/s
Rated current	200 Amp.
Rated max. duration of short ckt.	3 seconds
Rated peak short ckt. Current.	10KV

The T.P.M.O switch should be capable of standing with the mechanical load and electro magnetic forces without effecting the operation and current carrying properties. The switches complete with the operating mechanism should not come out of their own enclosed position due to effect of gravity, vibration, reasonable shocks. Their construction should be such that they do not open under the influence of the short circuit current. It should be provided with locking arrangement at the accessible to operator.



Particulars of the Main Components of 11 KV T.P.M.O

Insulator pins	Mild steel forged (Not welded)
Insulator cap	Cast iron
Jaw (I) strip	Rolled/extruded electrolytic grade copper.
(ii) base	Cast iron
Blade	Part galvanized mild steel and part rolled/extruded electrolytic grade copper flat and duly champhered.
Bushes	Brass
Angle iron base of fixed	
Contacts	75x75x6 mm
Main galvanized iron pipe	
for Phase coupling bar 48 mm inner dia (4.18 kg/m) Operating rod galvanized	
Iron pipel	15 mm inner dia (0.961 kg/m)

22. 11 K.V.D.O. Fuse Set

The fuse set suitable for 11000 volts, 3 phase 50 cycles second A.C. supply are required for the protection of outdoor transformers at heights not exceeding 10 meter. The fuse set is complete with insulators and fuse mounts suitable for being mounted on double pole structure and generally conform to B.S.S. 2692/1956 and have a 3 phase rupturing capacity of not less than 150 MVA at 11 KV. The fuses are suitable for operation under all weather conditions including 100% humidity and maximum ambient temperature of 50⁰C. All the exposed metallic parts of the fuse set is either non ferrous or galvanized steel. Fuses in which fuse elements at side can be replaced at site are mostly preferred.

The fuses are provided with suitable means for the indication of the sound and blown off fuses. The suitable size of fuse elements of pure silver for ensuring a minimum cross section for giving rapid cut-off on high fault current shall be used for different ratings of distribution transformers, and be capable of with standing extreme thermal shocks. The contracts will be fabricated from phosphor bronze and all current carrying parts should be copper/copper alloy heavily tinned. Exposed metallic parts including bolts and nuts should be either non ferrous or heavily coated



hot dip galvanized steel and all the bolts wherever they fall into current carrying path should be of brass with phospher bronze washer.

23. Distribution Boards

The distribution board shall be suitable for out door installation which shall be made of 14 SWG M.S. black sheet duly mounted on angle iron of size 35x35x5 mm to with stand rough usage and weather changes. The size of distribution board shall not be less than 2.00M in height, 1.20 M in width and 0.60 M in depth. Down ward sloping canopy shall be fitted at the top to avoid accumulation of rain water. The board shall employ double hinged doors having locking arrangement as usually provided in the steel cup board at the front and at the rear to provide complete protection from atmospheric conditions and shall be so constructed that they can be removed completely to facilitate cable jointing. A metal sheet shall be easily removable to have access for the cable. The pillar shall have adequate ventilation fitted with wire mesh of suitable size as per direction of E/I at the top and bottom on each wall for inlet and exhaust of air. All the vent holes shall be provided with sloping hoods to prevent the rain water from going inside. The shell section shall be cleaned with H₂SO₄ Acid and coat of phospheting be applied and painted with a coat of anticorrosive primer. The coat of grey synthetic enamel be given duly stoved. The board shall have earthing terminal readily accessible duly identified by earth sign. Danger sign plate shall be accomplished in both the sides. One number lamp holder with plug and fuse in circuit be placed on bottom portion below neutral busbars.

A three pin socket should also be provided to check continuity of each phase. Bus bar of cold rolled copper (Electrolytic) high conductivity duly tinned or silver plated shall be used for phase and neutral and shall be placed in horizontal position in such a way so that in case of break down of any cut out the melted metal does not damage lower bus bars. The bus bar cross sectional area shall be of size 60x10 mm or equivalent for phases in adequate length and the neutral bus bar cross sectional area shall be 50x6 mm or equivalent x-section.

There are three systems of links, which follows:

Solid copper links of suitable and standard size mounted on procelein fuse carries which is easily replaceable from the base contact of incoming circuits.

Solid link bars are mounted on incoming circuit terminals and fitted with nuts & bolts without using any insulating cover but all the copper bar plates are taped by the P.V.C. tape of Red, Yellow, Blue and Black colour totally.

In this system from total number of poles any one pole of two can be used for incoming circuit which is in the middle as and when required Pole indicates circuits.



All the aforesaid three systems of incoming circuits depends on the utility and or nature of distribution system adopted. Each circuit way shall be provided with the porcelain rewirable type Henley pattern confirming to the IS-2086-1983. All the contact parts (male or female) shall be made of cold rolled electrolytic copper and brass alloy and their surface shall be smooth and even, so that there is absolute no air gap between the contacts. The distribution pillar shall be mounted on suitable size of masonry plate-form with the help of Rag bolts of suitable size as per direction of E/I.

24. Distribution Pillar Frame Suitable for Indoor Installation:

The frame shall be size of 2.20x1.25 cm made of 75x75x8 mm angle iron which shall be grouted upto a depth of 20 cm. with the help of horizontal angle iron supports size 75x75x8 mm of 1.20 mtr. length and in the floor also upto a depth of 30 cm with cement, concrete in the ratio of 1:3:6 (1 cement, 3 coarse sand and 6 stone grit of 12 mm size) of size 0.45x0.2x0.2 cum. The vertical angle shall be 1.90 mts above ground level and horizontally it shall be 1.25 mts long and properly fixed with the vertical members at a distance of 1.60 mts. The horizontal angles shall be drilled with six number holes of 18 mm dia at a distance of 180 mm dia apart. Two number holes of 18 mm dia shall also be drilled on vertical angles for earthing purpose at 15 cm. above ground level. The whole structure shall be painted with synthetic enamel grey colour paint over one coat of red oxide primer. The whole structure shall be as per drawing and direction of E/I.

25. Copper Bus Bar for Distribution Pillar Frame:

Three Nos. tinned copper bus bar for phases of size 60x10 mm or of equivalent cross sectional area and one No. tinned copper neutral bus bar of size 50x6 mm or of equivalent cross sectional area shall be fitted through porcelain insulators properly fixed on the frame as per direction of E/I. The copper bus-bar shall have holes of suitable dia as per site requirement for connections and mounting etc. The bus-bar shall be covered with PVC tape or red, yellow, blue and black colour and no part shall be left opened.

26. Henley Type Units:

Henley type vertical tailless units shall be confirming to Henleys standard specifications of 650 volt grade. All electrical components will be made of best quality electrolytic copper and brass and also all parts will be of high class electro plated. All bolts & nuts, screws plain and spring washers and all other steel parts shall be galvanized. The porcelain of fuse unit shall be best quality and got approved by Engineer-In-Charge before installation.



27. 11 KV Lightning Arrestor:

This is used for protection of transformers and sub-station equipments on 11 KV, 3 Phase 50 c/s solidly grounded neutral A.C. system suitable for out door installation. The lightning arrestors should conform to IS-3070 (Part-1) 1965 and any amendments thereof. The lightning arrestors should be modern design of type in cooperating non liner resistors and spark gaps in series and voltage grading resistors. The arrestors should be designed to provide maximum possible protection against lightning and switching surges. Terminal and grounded connectors should be supplied with arrestors. The nominal and highest voltage of the system should be 11 KV and 12 KV respectively and rated arrestors voltage should be 9 KV. The arrestors shall have a nominal discharge current of 5 KV. Distribution type arrestors are needed for 11 KV lightning arrestors should be suitable for mounting on steel structure/P.C.C. poles. The necessary flanges nuts etc. for the base of lightning arrestors should be supplied and these should be galvanized. 11 KV lightning arrestors should be provided with line side terminal connectors suitable for vertical as well as horizontal entry of the conductor. The base of lightning arrestors shall be short circuited through a G.I. strip size 35x5 mm or of equivalent cross sectional area and both ends of strips shall be connected to well type earthing provided for this purpose.



UNDER GROUND CABLES

Specification No. 28

GENERAL

These specification cover the requirement for selection and installation for low medium and upto 11 KV application.

Testing:

The cable shall be tested for continuity and installation between conductors & conductors and earth before and after installation. Test should confirm provision of relevant ISS.

L.T. Cable:

The cable shall be 1.1 KV grade (3 ½ core) having high conductivity stranded aluminum conductors PVC insulated. The PVC inner sheathed extruded galvanized steel strip armoured and PVC Black overall sheathed in case of Armoured cable and PVC insulated PVC inner sheathed extruded and PVC black over all sheathed in case of 3 ½ core unarmoured cable both confirming to ISS: 1554 (Part-I) 1976 with the latest amendments. The cable conductor shall be made from stranded aluminum to form compact shaped conductor having resistance within limit specified in IS : 8130 - 1976 with latest amendments there of.

11 KV XLPE Cables:

The power cable shall be 11 KV grade conductivity stranded compacted aluminum shaped conductor 3 core XLPE insulated extruded inner, PVC sheathed galvanized steel wire armoured with separate extruded PVC out sheathed overall, confirming to IS 7098 (Part-II) 1973 or any latest amendment thereof suitable for 11 KV 3 Phase 50 cycle earthed system. The cable conductor shall be made from stranded aluminum to form compact shaped conductor having resistance within limit specified in IS : 8130 - 1976 with latest amendments thereof.

Selection of Cables:

The final current carrying capacity of the cable after allowing for derating shall not be less than the current it is required to carry. The cables should be able to with stand the maximum short circuit current for the period of short circuit. Cables insulated with P.V.C. or any thermo plastic material should not be over loaded even for a short period.



Handing of Cables:

The cable should be handled carefully so as to avoid formation of kinks, any injury to conductor, insulation, sheathing etc. which may result in earth fault or discontinuity of conductor or both. Damaged cables, cables with kinks and straight end kinks or with similar apparent defects shall not be installed.

The cables drums shall not be stored on water logged and loose surface. Both the ends should be sealed to prevent ingress or absorption of moisture by insulation. The cable drum shall be rested on flanges. The drums should either be rolled in direction of arrow or mounted on cable drum wheels and pulled by means of ropes. The cable shall not be bent to a radius of less than 12 times the overall diameter of cable.

Cable Route:

The cable shall be run, as far as possible, parallel to roads, footpaths or other fixed developments, cross country runs to shorten the route length should be avoided. The cable shall be laid away from drains storm water drains, kerb lines, existing cables private property etc. The cable shall not be laid in corrosive soil. Cables of different voltage rating shall be laid in different trenches with adequate separation, Cables of higher voltage shall be laid at a lower level than the cable of lower voltage. The alignment of the cable route should take into consideration the interest of other authorities and also future extension like widening of roads etc.

Laying of Cables:

Cables shall be laid directly in ground in pipes, in open/closed ducts or on surface or in air as per requirement at site. Joints in cables shall not be provided. When the distance exceeds the standard length supplied by manufacture Kiosks/straight through jointing kit as per direction of E/I. shall be provided. The location of the Kiosks/straight through jointing kit shall be decided before laying the cables. The Kiosks/straight through jointing kit shall not be provided in water logged locations, carriage ways, pavements, proximity of telephone cable, gas and water mains, inaccessible places, ducts pipes, rocks etc.

Laying Direct into Ground:

This method shall be adopted where frequent excavation are not encountered and re-excavations is easily possible without effecting other services. The cables shall be laid in reasonably straight trench such that its top is at a depth of 75 cm. from ground level in case of L.T. & medium voltage cable and 1.20 meter in case of 11 KV cables. For laying single cable, the trench shall be 45 cm. wide for laying two or more cables in one trench the width of the trench shall be so increased as to provide an inter axial distance of at least 30 cm. and clearance of 15 cm. from the side walls, the distance may vary in cae of 11 KV cables and as per site requirement. The bottom of cables trench shall be leveled and cleared of all



rubbish, tone and hard materials etc. and covered with 7.5 cm. thick layer of clean dry sand panned smoothly with hand throughout. The cables shall be laid on the layers of sand and covered with at least 7.5 cm. thick layer of clean dry sand and covered on the sides and top with well burnt bricks to provide protection, precast cement, concrete slabs can be laid at the top of sand instead of bricks as per direction of E/I. In case of vertical tier formation a sand cushion of 30 cm. shall be provided between each tier. In addition a partition layer of bricks shall be laid between layers. Extra length of cable in the shape of open mounted loop shall be left at each termination and kiosk/straight through jointing kit. In case of long runs of cables, loops cable may be left at suitable interval also. The trench shall be back filled with soft earth rammed solidly and dressed properly to the satisfaction of E/I.

Route Markers:

If desired cable route markers „CABLE“ shall be provided along route of the cable and location of loops. The route markers may be 100x100x5 mm. C.I. plate welded or bolted on to 15 mm M.S. rod or of 600x600x100 mm, block of 1:2:4 cement concrete plate marker should be mounted parallel to end 50 cm away from the edge of the trench. The concrete marker shall be laid flat over the cable trench projecting over the surrounding surface.

Laying in Pipes/Closed ducts:

In locations such as road crossing entry to building, paved areas, on poles etc. the cable shall be laid in G.I./cast iron or spun reinforced concrete pipe as specified. For a single cable the minimum size of the pipe shall be double the over all diameter of cable or 100 mm in diameter which ever is more, for more than one cable, the size of the pipe shall be increased accordingly and shall be not less than 150 mm in diameter, Separate pipe for each cable shall be provided in case of 11 KV cables. Unless specified otherwise the pipe shall be laid directly in ground without any bed such that its top is at a depth of at least 0.75 meter in case of LT. and 1.20 Mts. in case of H.T. cables from the ground level. The pipes on road crossing shall be laid on the skew. The pipes shall be continuous and shall be cleared of debris or concrete before the cable is drawn. If specified, manholes of adequate size shall be provided to facilitate drawing in of cables. The mouth of the pipe entering building shall be sealed to avoid entry of the water and the pipe shall slope down wards outside.

Laying in Open Ducts.

In location such as sub-station switch room workshop, plant rooms etc. the cables shall be drawn in open ducts of suitable dimensions, with removable covers of cement concrete or chequered plates. The cables shall not cross each other, unless unavoidable. The cables shall have no joints or splice inside the ducts. The cable shall be fixed with clamps on the wall of the duct taken in through in duct supported on racks in the duct or laid direct in



trench over suitable spacers as directed to site. The dust may be filled with dry sand, covered with easily removable covers of cement concrete or chequered plates or finally finished in cement plaster.

Laying on Surface:

The cables may be laid on surface in switching stations, factory, tunnels, rising mains overhead bus bar etc. The cable shall be laid in through or on bracket or fixed with mild steel clamps, such that there is no undue sagging in cable. The cables shall be laid at least 25 mm clear of the wall. In case of unarmored cables, suitable non corrosive packing shall be provided to prevent damage to the cablesheath.

Laying in Air:

The cable may also be laid in air along with the bearer G.S. wire of suitable size duly clipped at reasonable distance and clamped properly as per direction of E/I.

Cable Identification Tag:

Whenever more than one cable existing, suitable marker tag described with cable identification details shall be permanently attached to all cables in the manhole pull pits joints, open ducts, underground cable etc. at suitable intervals.

Completion Report:

After completion test results on the prescribed proforma and cable route duly marked in the site plan shall be submitted. The portion of the building road, drain, sewer or water line or any other structure etc. damaged during erection or installation shall be repaired properly to original finish and colour as per direction of E/I.

J.E.

A.E.

E.E.

CHAPTER – VII

Earthing

1- **General:** - Earthing shall conform to the following specifications. For other details not covered in these specifications, relevant Indian Standards shall be referred to I.S.: 3043, 1965 (Code of practice for earthing)

Earthing shall generally be carried out in accordance with the requirements of Indian Electricity Rules, 1956 as amended from time to time and the relevant Regulations of the Electricity Supply Authority concerned. The following clauses of the Indian Electricity Rules, 1956 are particularly applicable.

32, 51, 61, 61A, 62, 67, 69, 88 (2) and 90.

All earth connections shall be visible for inspection. All medium voltage equipments shall be earthed by two separate and distinct connections with earth through an earth electrode. In case of high and extra high voltages the neutral points shall be earthed by not less than two separate and distinct connections with earth, each having its own electrode. Each electrode shall be provided at consumer premises and substations according to the requirement.

All materials and fittings etc used in earthing shall conform to the Indian Standards Specifications wherever these exist. In the case of materials for which I.S.S. do not exist, the same will be approved by the competent authority.

No earth electrode shall have an ohmic resistance greater than five ohms as measured by an approved earth testing apparatus. In rocky soils, the resistance may be up to eight ohms.

Use of plate electrode is recommended only where the current carrying capacity is prime consideration, for example, higher capacity main switches, panel boards, and sub-stations etc.

Normally, an earth electrode shall not be situated less than 1.5 m away from any building. Care shall be taken that the excavations for earth electrode may not affect the column footings or foundations of the building; in such cases electrodes may be fixed further away from the building.

The location of the earth electrode will be such where the soil has reasonable chance of remaining moist, as far as possible. Entrances, pavements and roadways, are to be definitely avoided for location of the earth electrode.

- 2- **Type of earth electrodes**
- (a) Pipe earth electrodes.
 - (b) Plate earth electrodes.

G.I. pipe or G.I. plate earth electrodes shall be used except when it is unavoidable to use copper plate earth electrode due to corrosive soil conditions. For D.C. system or for large capacity sub stations, where soil contains sulphur, copper electrode shall be adequately tinned.

3- **Pipe Earth Electrodes:** - G.I. Pipe shall be of 40 mm dia 4.5 meters in length. Galvanizing of the pipe shall conform to relevant Indian Standards. The pipe shall have a clean surface, not covered by paint, enamel, or poorly conducting material. The pipe shall be of one piece. G.I. pipe electrode shall be cut tapered at the bottom and provided with holes of 12 mm dia. drilled and spaced 75 mm from each other up to 2 meters of length from bottom. The electrodes shall be buried in the ground vertically with its top not less than 20 cm below ground level. (Details shown in the drawing No. 1)

4- **Plate Earth Electrodes:** - For plate electrodes minimum dimension of the electrode shall be as under: -

- (a) G.I. plate electrodes- 60 cm x 60 cm x 6 mm thick
- (b) Copper plate electrodes-60 cm x 60 cm x 3 mm thick

The electrodes shall be buried in ground with its face vertical and top not less than 3 meters below ground level (details shown in the drawing no. 2)

5- **Watering Arrangement:** - In the case of plate earth electrode, a watering pipe of 20 mm dia of G.I. pipe shall be provided and attached to the electrode as shown in the drawing. A funnel with mesh shall be provided on the top of the pipe for watering the earth. In the case of pipe electrode a 40 mm x 20 mm reducer shall be used for fixing the funnel. The watering funnel attachment (in both the above cases) shall be housed in masonry enclosure not less than 300 mm deep. A 300 mm x 300 mm cast iron cover frame with hinged cover having locking arrangement shall suitably embedded in the masonry enclosure.

6- **Artificial Treatment of Soil:** - The electrode shall be surrounded by charcoal/ coke and salt in alternate layers not less than 150 mm thick as indicated in the drawing.

7- **Earthing Lead**

(a) **Main earthing Lead:** - The main earthing lead shall be of G.I. wire or G. I. strip in case of G.I. plate earth electrode.

For all electrical installations, except sub-stations and generating stations, the earthing lead shall be not less than one-half of cross-sectional area of the largest conductor to be protected. A conductor larger than 100 sq mm nominal cross-sectional area (2/0 SWG) in case of copper conductor and 150 sq mm in case of G.I. conductor need not be used.

The minimum size of main earthing lead shall not be less than 8 SWG copper or G.I. wire, or 12 mm x 3 mm copper or G.I. strip.

(b) **Earth Continuity Conductor:** - The nominal cross sectional area of an earth continuity conductor not contained within a cable or flexible cord shall be 14 SWG copper or 12 SWG G.I. or 4 sq. mm. aluminium wire.

In the case of G.I. plate earth electrode, the earthing lead shall be securely bolted to the plate with two G.I. bolts, nuts, check-nuts, and washers. In the case of pipe earth electrode, it shall be connected by means of through G.I. bolts, nuts, and washers and cable sockets as indicated in the drawing. All material used for connection the earth lead with electrode shall be G.I. in case of G.I. pipe and G.I. plate earth electrodes and tinned brass in case of copper plate electrode. The earthing lead shall be securely connected at the other end to the main board.

Loop earthing shall be provided for all mountings.

8- **Protection of Earthing Lead:** - The earthing lead of main board and other metal clad switches and distribution fuse boards will not be less than 14 SWG copper or 12 SWG G.I. or 4 sq mm aluminium wire. Lead from electrode onwards shall be suitably protected from mechanical injury by a 15 dia. G.I. pipe in case of wire and by 40 mm dia G.I. pipe in case of strip. Portion of the protection pipe within ground shall be buried at least 30 cm. deep and shall be increased to 60 cm. in case of road crossing and pavements. The portion within the building shall be recessed in walls and floors to adequate depth.

9. **Completion Report:** - The completion of the installation the test results and completion report or the installation work shall be submitted in the form given in **Appendix 3**.

Protection of Building Against Lightning: -

10- **General:** - The protection of buildings against lightning shall generally and those of special structures like livestock in fields, structures for highly combustible materials etc. shall strictly be done in accordance with IS: 2309 -1969. For the purpose of protection of buildings against lightning both the vertical and horizontal conductors may be used as air terminations,

depending upon the type of the building to be protected. Horizontal air terminations may be used in buildings with flat roof extending over large area such as R.C.C. framed structure, multistoried buildings etc. Vertical air termination may be used in buildings having towers and domes etc. A system of both vertical and horizontal conductors might be necessary for protection of bigger buildings. The materials of lightning protective system shall be copper or galvanized steel as specified.

Brief Specifications are described here below: -

11- Zone of Protection: - The zone of protection of a lightning conductor denotes the space within which a lightning conductor provides protection against a direct lightning stroke by diverting the stroke to itself. For a single vertical conductor, this zone is described as a cone with apex at the highest point of the conductor and with an angle, called as protective angle, between the side of the cone and the conductor, normally this angle may be taken to be 45 degree.

12- Component Parts and Their Installation: - The principal components of a lightning protective system are:

- (i) Air Terminations
- (ii) Down Conductors
- (iii) Earth Terminations & Testing Points
- (iv) Earth Electrodes.

13- Air Termination: - Air termination may consist of a vertical conductor or a horizontal conductor, or a system of both horizontal & vertical conductors, depending upon the type of building as mentioned above. In case of a vertical termination, it needs not have more than one point and shall project at least 30 cm above the object on which it is fixed. Horizontal air terminations should be so inter-connected that no part of the roof is more than 9 meters away from the nearest horizontal conductor. For flat roof horizontal air-terminations along the outer perimeter of the ridge, parapet etc. shall be used. The air-terminations shall be joined with each other so as to form a closed network and should cover all salient points of the structure. The air termination should be fixed permanently so as to avoid overturning due to any reason.

14- Down Conductors: - The number and spacing of down conductor shall largely depend upon the size and shape of the building and upon aesthetic considerations. The minimum number of down conductors may, however, be decided on the following consideration:

(a) A structure having a base area not exceeding 100 sq m. may have one down conductor only, if the height of air termination provides sufficient protection. However, It is advisable to have at least two down conductors except for very small buildings.

(b) For structures having a base area exceeding 100 sq m. the number of down conductors required should be worked out as follows:

- (1) One for the first 100 sq m. plus one more for every additional 300 sq. m. or part thereof.
- (2) One for every 30 meters of perimeter.

The smaller of the two shall apply.

Down conductors should be described round the outside walls of the structure, preferably, along the corners and other projections. Lifts shafts shall not be used for fixing down conductors. The down conductors shall follow the most direct path between the air terminations and the earth terminations. Sharp bends, upturns, and kinks should not be provided. The down conductors should be protected against mechanical damage. Metal pipes should not be used as protection for the conductors; in buildings of cantilever construction the down conductor shall be taken straight down

to ground. All metallic items extending beyond the top of the structure and running vertically through the structure should be bonded to the lightning conductor at the top and at the bottom.

The lightning protection system shall have as few joints in it as possible. Where joints in the down conductor above ground level are necessary, they shall be mechanically and electrically effective. In the down conductor below ground level, there shall be no joints. The joints may be clamped, screwed, or welded as may be necessary. External metal on or forming part of a structure may have to discharge the full lightning current, therefore, the bond to the lightning protection system shall have a cross-sectional area of not less than that employed for the main conductors. Bonds shall be as short as possible.

Conductors shall be securely attached to the building or other objects to be protected by fasteners, which shall be substantial in construction, not subject to breakage and shall be of galvanized steel or other suitable material to avoid corrosion. The lightning conductors shall be secured at not more than 1.20 meter apart for horizontal run and 1.00 meters for vertical run.

The shape and minimum sizes of conductors for use above ground and below ground shall be as per Appendix 11.

15- Earth Termination: - Each down conductor shall have an independent earth termination. The interconnection of all the earth terminations is preferable. It should have combined resistance to the earth not exceeding 10 ohms before any bonding has been affected to metal in or on a structure or to surface below ground.

16- Earth Electrodes: - Earth electrodes shall be constructed and installed in accordance with IS 3043-1966 (Code of Practice for Earthing)

G.I. plate shall be used as earth electrode except where it is unavoidable to use copper plate earth electrode due to corrosive soil conditions. When soil contains sulphur, copper electrode shall be adequately tinned.

The earth electrode should be installed at places where best contacts with earth are obtainable. These should be spread out and not squeezed together.

The minimum dimensions of the electrode shall be as under:

- (a) G.I. plate electrode- 60 cm x 60 cm x 6 mm
- (b) Copper plate electrode- 60 cm x 60 cm x 3 mm
- (c) The electrode shall be buried in ground with its face vertical and top not less than 3 meters from ground level or not less than 60 cm below summer water level whichever is more. Medium class, G.I. pipe of 20 mm diameter, with a funnel with mesh, at the top of the pipe, shall be provided from ground to electrode for watering the earth. The watering funnel attachment shall be housed in a masonry enclosure of not less than 30 cm x 30 cm x 30 cm size.

A cast Iron frame with hinged cover having locking arrangements shall be suitably embedded in the masonry enclosures. For artificial chemical treatment of soil, the electrode shall be surrounded charcoal/coke and salt in alternative layers to a thickness of not less than 15 cm on all the sides.

The down conductor shall be securely bolted to the plate (earth electrode) with two G.I. or copper bolts, nuts, check nuts, and washers. The down conductor from the electrode onwards up to the building shall be suitably protected from mechanical injury by 40 mm diameter medium class G.I. pipe. The portion of the protective pipe within ground shall be buried at least 30 cm deep and shall be increased to 60 cm in case of road crossing and pavements.

No earth electrode shall have greater ohmic resistance than 5 ohms as measured by an approved earth testing apparatus. In rocky soils, the resistance may be up to 8 ohms.

17- **Completion Report:** - After completion of the installation, test results on the prescribed proforma (Appendix 3) and layout of the different components duly marked on the building plan shall be submitted . The portion of the building etc. damaged during erection of installation shall be repaired properly to original finish and colour of the building etc.

G.P.W. FORM-9

General Conditions of Contract :

(1) The 'Contract' means the documents forming the tender and acceptance thereof and the formal agreement executed between the Housing Commissioner, U.P. Avas Evam Vikas Parishad and the Contractor, together with the documents referred to therein, including these conditions, the specifications, designs, drawings and instructions issued from time to time by the Engineer-in-Charge and all these documents taken together shall be deemed from one contract and shall be complimentary another.

(2) In the contract the following expressions shall, unless the context otherwise requires, have the meanings herewith respectively assigned to them :-

(a) the 'Works' or 'Work' unless there be something either in the subject or context repugnant to such construction, shall be continued and taken to mean the works by, or by virtue of the contract, contracted to be executed, whether, temporary or permanent and whether original, altered substituted or additional.

(b) the 'Site' shall mean the land and/or other places on, into or through which work is to be executed under the contract, or any adjacent land, path or street through which work is to be executed under the contract, or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.

(c) the 'Contractor' shall mean the individual or firm or company whether incorporated or not, undertaking the works and shall include the legal personal representatives of such individuals or the persons composing such firm or company or the successors of such firm or company and the permitted assigns of such individual or firm or company.

(d) the 'Housing Commissioner' shall mean the 'Housing Commissioner' Avas Evam Vikas Parishad, of Uttar Pradesh, his successors or assigns.

(e) the 'Engineer in-charge' shall mean the Divisional Officer the executive Engineer/Superintendent of Works, the Sub-Divisional Officer the Assistant Engineer, as the case may be, who shall supervise and be in-charge of the work.

(f) the 'Chief Engineer' shall mean the Chief Engineer/Director of Works U.P. Avas Evam Vikas Parishad.

(g) the 'Estimated Cost' shall mean the cost of the work or works as estimated on the basis of the tendered rate or rates agreed to between the parties to the contract.

(h) the 'Parishad' shall mean the U.P. Avas Evam Vikash Parishad constituted under Act No. 1 of 1966.

Words importing the singular number include the plural number & vice versa.

Security Deposit :

Clause (1) — The Contractor shall permit the Parishad at the time of making any payment to him for work done under the contract to deduct ten percent of all moneys so payable

untill such deductions along with the sum already deposited as earnest money to be adjusted in last deduction will amount.

Security amount of 10% at the bonded cost, must be deposited by the contractor at the time of the execution of contract bond, which shall be with contractor is unable to deposit the 10% security amount at the time of execution of Bond, It will be deducted from payment from the running bills to be paid time to time during the execution of work. Earnest money will be adjusted in the security.

The Security may be in cash or such other from as may be prescribed by the parishad, such as Fixed Deposit Receipts of any Scheduled Bank, Nationalised Bank or Government Securities.

If the Security is furnished and accepted in the form of Guarantee Bonds, the Contractor shall undertake to renew or to furnish fresh guarantee to cover the period of time extensions, if any failure on his part to do so shall be contrued as a breach of this contract and without prejudice to any other remedy provided in these conditions, the Engineer-in-Charge shall have the right to withhold payment and deduct the entire Security amount from any moneys becoming payable to the contractor.

The amount of the Security money shall if not withheld on account of breach of conct, be refunded after six months of the date of the completion of the work or after payment of the final bill whichever is later.

Provided that in case the payment of the final bill is not made within six months of the completion of the work, 75% of the amount of the Security money can be refunded with the prior approval of the authority next higher to the person accepting the contract on behalf of the Parishad.

"All compensation or other sums of money payable by the contractor to the Parishad under the terms of this contract may be deducted from realised by the sale of a sufficient part of his security deposit or from the interest arising therefrom or from any sums which may be due or may become due to the contractor by the Parishad of any account whatsoever, and in the event of his security deposit being reduced by reason of any such deduction or sale as aforesaid, the contractor shall within ten days thereafter make good in cash or Government Securities endorsed any sum or sums which may have been deducted, from, or raised by sale of his security deposit or any part thereof".

Compensation for Delay :

Clause (2) — The time allowed for carrying out the work as entered in the tender shall be strictly observed by the Contractor and shall be recknoed from the date on which the order to commence work is given to the Contractor. The work shall throughout the stipulated period of the contract be proceeded with all due diligence (time being deemed to be of the essence of the contract on the part of Contractor) and the Contractor shall pay as compensation an amount equal to one percent or such smaller amount of the estimated cost of the whole work shown by the tender for every day that the work remains uncommenced or unfinished after the proper dates. And further, to ensure good progress during the execution of the work, the Contractor shall be bound, all cases in which the time allowed for any work exceeds one month, to complete one-fourth the value of the whole of the work within..... months from the date of written order to commence the work; one-half the value of the work within months from such date and 3/4 the value of the work within months form such

(3)

date. In the event of the Contractor failing or comply with this condition he shall be liable to pay as compensation and amount equal to 1%, or such smaller amount as the authority next higher to the officer accepting the Contract on behalf of the Parishad (whose decision in writing shall be final) may decide on the said estimated cost of the whole work for every day that the due quantity of work remains incomplete. Provided that before taking action under this clause the officer accepting the contract on behalf of the Parishad, shall give a notice of 15 days in writing to the Contractor and provided always that the entire amount of compensation to be paid under the provisions of this clause shall not exceed the maximum amount of security as specified in Clause 1.

**To be struck off in all cases when the time allowed for completion does not exceed one month.

Action when whole of Security deposit is forfeited.

CLASUE 3 (1) The officer accepting the contract on behalf of the Parishad or the Engineer-in-Charge shall have the power without prejudice to have right against the contractor in any respect of any delay or interior workmanship or otherwise or to any claims for damage in respect of any breaches of the contract and without prejudice to any rights or remedies under any of the provisions of this contract or otherwise and whether the date for completion has or has not elapsed by notice in writing, to determine the contract in any of the following cases.

(a) If the contractor having been given by the Engineer-in-charge a notice in writing (which notice under the hand of the Engineer-in-charge or communicated through the Executive Engineer Superintendent of works/Sub Divisional Officer/Assistant Engineer shall be conclusive evidence) to rectify, reconstruct or replace any defective work or any defective work or any work damage by any reason whatsoever or that the work is being performed, in any inefficient or otherwise improper or unworkmanlike manner shall omit to comply with the requirements or such notice for a period of seven days of such notice or if the contractor shall delay or suspend the execution of the work so that either in the judgement of the Engineer-in-charge (which shall be final and binding) he will be unable to secure completion of the work by the date of completion or he has already failed to complete the work by that date.

(b) If the contractor being a company shall pass a resolution or the Court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or creditor to appoint a receiver or manager or which entitle the court to make a winding up order.

(c) If the contractor, commits breach of any of the terms and condition of this contract other than those mentioned in clause (a) above.

(d) If the contractor commits any acts mentioned in clause 2 here of.

(2) When the contractor has made himself liable for action under any of the cases aforesaid, the Officer accepting the contract on behalf of the Parishad or the Engineer-in-charge shall have powers to adopt any one or more of following course as he may deem best suited to the interest of Parishad.

(i) To determine or rescind the contract as aforesaid (of which termination or rescission notice in writing to the contractor under the hand of the Engineer-in-charge or communicated through the Executive Engineer/Superintendent of Works/Sub-Divisional Officer/Assistant Engineer, shall be conclusive evidence). Upon such

determination or rescission the security deposit of the contractor shall be liable to be forfeited and shall be absolutely at the disposal of the Parishad.

(ii) To employ labour paid by the Department and to supply materials to carry out the works or any part of the work debiting the contractor with the cost of the labour and price of the materials (of the amount of which cost and price the certificate under the hand of the Engineer incharge or communicated through the Executive Engineer/ Superintendent of Works/Sub-Divisional Officer/Assistant Engineer shall be final and conclusive against the Contractor) and crediting him with value of the work done all respects in the same manner and at the same rate as if it had been carried out by the contractor to the value of the work done shall be final and conclusive against the contractor, provided always that action under this sub-Clause shall only be taken after giving notice in writing to the Contractor provided also that if the expenses incurred by the Department are less than the amount payable to the contractor at his agreement rates, difference shall not be paid to the contractor.

(iii) After giving notice to the contractor to measure up the work of the contractor and to take such part thereof as shall be unexecuted out of his hands and to give it to another contractor to complete in which case any expenses which may be incurred in excess of the sum which would have been paid to the original contractor if the whole work had been executed by him (of the amount of which excess the certificate in writing or the Engineer-in-charge shall be final and conclusive) shall be borne and paid by the original contractor and may be deducted from any money due to him by the Parishad under this contract or on any other account whatsoever or from his Security Deposit or the proceeds of sales thereof or a sufficient part thereof as the case may be.

(3) In the event of any one or more of the courses mentioned in Sub-Clause (2) above being adopted by the Engineer-in-charge the Contractor shall have no claim to compensation for any loss sustained by him reason of his having purchased or procured any materials or entered into any engagements or made any advances on account of with a view, to the execution of the work or the performance of contract and in case action is taken under any of the provisions aforesaid, the Contractor shall not be entitled to recover or be paid any sum for any work thereof actually performed under this contract unless and until the Engineer-in-Charge has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

Clause 4-In any case in which any of the powers conferred upon the officer accepting the contract on behalf of the Parishad or the Engineer-in-Charge by Clause 3 here to shall have become exercisable and the same are not exercised, the non-exercise thereof shall not constitute a waiver of any of the Conditions hereof, and such power shall notwithstanding be exercisable in the event of any future case of default by the Contractor for which by any clause or clauses hereof he is declared liable to pay compensation and the liability of the contractor for past and future compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding Clause, the Engineer-in-Charge may if he so desires take possession of all or any tools plant materials or and Stores, in or upon the works or the sites thereof or belonging to contractor or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account, at the contract rates or in the case of these not being applicable, at current market, rates to be certified by the Engineer-in-Charge whose certificate thereof shall be final, otherwise the Engineer-in-Charge may by notice in writing to the contractor or his clerk of the works, foreman or other authorised agent require him to remove such

Contractor remains liable to pay compensation if action not taken under Clause - 3.

Power to take possession of, require removal of or sell contractor's Plant. tools, plant materials or Stores from the premises (within a time to be specified in such notice); and in the event of the Contractor failing to comply with any such requisition, the Engineer-in-Charge may remove at the Contractor's expense or sell them by auction or private sale on the account of the contractor and at his risk in all respects, and the certificate of the Engineer-in-Charge as to the expense of any such removal and the amount of the proceeds and expense of any sale shall be final and conclusive against the contractor.

Extension of Time. Clause 5-If the Contractor shall desire an extension of the time for completion of the work on the grounds of his having been unavoidably hindered in its execution or any other ground he shall apply in writing to the officer accepting the contract on behalf of the Parishad through the Engineer-in-Charge and a copy thereof is sent to the Engineer-in-Charge within 30 days of the date of the hindrance on account of which he desires such extension as aforesaid, and the officer accepting the contract on behalf of the Parishad shall, if in his opinion (which shall be final) reasonable grounds be shown therefore, authorise such extension of time, if any, as may in his opinion be necessary or proper, provided that the extension of time should be limited to 50% of the total period or the contract but in no case exceeding six months. The cases of the extension of time beyond such period shall be submitted to the authority next higher to the officer accepting the contract continues to perform the work beyond the date of completion or the extended date as the case may, without obtaining approval for extension as aforesaid the right of the Parishad to claim compensation under clause 3 shall not be deemed to have been waived.

Final Certificate Clause 6 - On completion of the works the contractor shall send a registered notice to the Engineer-in-Charge giving the date of completion and sending a copy of it to the officer accepting the contract on behalf of the Parishad and shall request the Engineer-in-Charge to give him a certificate of completion but on such certificate shall be given not shall the work be considered to be complete until the contractor shall have removed from the site on which the work shall be executed all scaffolding, surplus materials and rubbish and cleared off the dirt from all wood work, door, windows, walls floors or other parts of any building in, upon or about which the work is to be executed, or of which he may have had possession for the purpose of the execution, thereof, and he has filled up the pits. If the contractor shall fail to comply with requirement of this clause as to removal of scaffolding, surplus materials, and rubbish and cleaning of dirt and filling of pits on or before the date fixed for completion of the work the Engineer-in-Charge may at the expense of the contractor remove such scaffolding, surplus materials, and the rubbish and dispose of the same as he thinks fit, and clean off such dirt and fill the pits as aforesaid, and the contractor shall forthwith pay the amount of all expenses so incurred and shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any sum actually realized by the sale thereof. On completion the work shall be measured by the Engineer-in-Charge himself or through his sub-ordinates, whose measurements shall be binding and Conclusive against the contractor. Provided that if subsequent to the taking or measurements by the subordinates as aforesaid the Engineer-in-Charge had reason to believe that the measurements taken by his subordinates are the measurement already taken by his subordinates and acknowledged by the contractor and to take measurements again after giving reasonable notice to the Contractor and such re-measurements shall be binding on the contractor "Delete whichever is not applicable" (Ten days will apply to works at the head quarters of Engineer-in-Charge and thirty days for works at other places).

Within ten/thirty days of the receipt of the notice the Engineer-in-Charge shall in respect the work and if there is visibly no defect on the face of the work, shall give the contractor a certificate of completion. If the Engineer-in-Charge finds that the work has been in full completion, it shall be mentioned in the certificate so granted. If on the other hand it is found that there are certain visible defects to be removed the certificate to be granted by Engineer-in-Charge shall specifically mention the details of the visible defects along with the estimate of the cost for removing these defects. The final certificate of completion or work shall be given after the visible defects pointed out above have been removed.

Clause 7 - No Payments shall be made for works estimated to cost less than rupees one thousand till after the whole of the works shall have been completed and a Certificate of completion given. But in the case of works estimated to cost more than rupees one thousand, the contractor shall, on submitting the bill there of be entitled to receive a monthly payment proportionate to the part thereof then approved and passed by the Engineer-in-charge whose certificate of such approval and passing of the sum so payable shall be final and conclusive against the contractor. But all such intermediate payments shall be regarded as payments for works actually done and completed and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be removed and take away and re-constructed, or re-erected or it shall not be considered as an admission of the due performance of the contract or any part thereof in any respect or the accruing of any claim nor shall it conclude determine or affect in any way the powers of the Engineer-in-Charge under these conditions or any of the as to the final settlement and adjustment of the accounts or otherwise or in any other way vary or affect the contract.

Payments on intermediate Certificate to be regarded advances.

The final bill shall be submitted by the contractor within one month of the date fixed for completion of the work or of the date of the certificate of completion furnished by the Engineer-in-Charge and payment shall be made within three months of the submission of such bills, if the amount of the contract plus that of the additional items is up to Rs. 2 lacs and in six months if the same exceed Rs. 2 Lacs. If there shall be any dispute about any item or items of the work then the undisputed item or items only shall be paid within the said period of three months or six months as the case may be. The contractor shall submit a list of the disputed items within 30 days from the disallowance thereof and if he fails to do so, this claim shall be deemed to have been fully waived and absolutely extinguished.

Clause 8 - A bill shall be submitted by the contractor each month on or before the date fixed by the Engineer-in-Charge for all work executed in the previous month and the Engineer-in-Charge shall take or cause to be taken the requisite measurement for the purposes of having the same verified and the claim, as far as admissible, adjusted, is possible before the expiry of ten days from the presentation of the bill. If the contractor does not submit the bill within the time fixed as aforesaid, the Engineer-in-Charge may get the said work measured up in the presence of the contractor whose counter-signature to the measurement list will be sufficient warrant, and the Engineer-in-Charge may prepare a bill from such list which shall be binding on the contractor in all respects.

Bills to be submitted monthly

Clause 9 - Before taking any measurement of any work as has been referred to in clause 6, 7 and 8, hereof the Engineer-in-Charge or a subordinate deputed by him shall give reasonable notice to the Contractor. If the contractor fails to attend at the time of measurements after such notice or fails to countersign or to record the difference within a week from the date of measurement in the manner required by the Engineer-in-Charge then and in any such event the measurements taken by the Engineer-in-Charge or by

Contractor to be given a week to file objection to the measurements recorded by the U.P. Avas Evam Vikas Parishad.

the subordinate deputed by him as the case may be shall not with-standing the provision in clause 8 be final and binding on the contractor and the contractor shall have no right to dispute the same.

Bills to be on Printed forms. Clause 10 - The contractor shall submit all bills on the printed forms to be had on application at the office of the Engineer-in-Charge and the charges in bills shall always be entered at the rates specified in the tender or in the case of any extra work ordered in pursuance of these conditions and not mentioned or provided for in the tender, at the rates specified in the tender or in the case of any extra work ordered in pursuance of these conditions and not mentioned or provided for in the tender, at the rates here in after provided for such work.

Stores supplied by U.P. Avas Evam Vikas Parishad. Clause 11 - If the specification or estimate of the work provided for the use of any special description of materials to be supplied from the Engineer-in-Charge's store or if it is required that the contractor shall use certain stores to be provided by the Engineer-in-Charge (such materials and stores and the prices to be charged therefore as herein after mentioned being so far as practicable for convenience of the contractor but not so as in any way to control the meaning or effect of this contract, specified in the schedule or memorandum here to annexed) the Contractor shall be supplied with such materials and store as are required from time to time to be used by him for the purpose of the contract only and the value of the full quantity of materials and stores so supplied at the rates specified in the said shedule of memorandum may be set off or deducted as provided in clause 32. It shall be the responsibility of the contractor to ascertain from time to time from the Engineer-in-Charge about the position of availity of the materials as aforementioned and any delay on the part of the Engineer-in-Charge to arrange supplies of the same shall not entitle the contractor shall be granted reasonable extension of time. All materials supplied to the contractor are the property of the contractor, but shall not on any account be removed from the site of the work, except with the written permission of the Engineer-in-Charge or under his orders and shall at the times be open to inspection by the Engineer-in-Charge. Any such materials unused and in perfectly good condition may, be special arrangement, be taken over by Parishad at the prevailling market rates, if required for use on other works in progress provided that the price allowed shall not exceed the amount charged to the contractor.

Works to be executed in accordance with specifications, drawings, orders, etc. Clause 12 - The contractor shall execute the whole and every part of the work in the most substantial and work man like manner and both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly full and faithfully to the design, drawings and instructions in writing relating to the work signed by the Engineer-in-Charge and lodged in his office, and to which the contractor shall be entitled to have access to such office for the purpose of inspecting during office hours, and the contractor shall be furnished free of charge one copy of the specification and of all such designs drawings and instructions as are not included in the detailed P.W.D. specifications for buildings and roads enforced from time to time or any other printed publications on general specifications referred to elsewhere in the contract.

Alterations in specifications and designs. Clause 13 - The Engineer-in-Charge shall have power to make any alteration in, omissions from additions to or substitutions for, original specifications, drawings designs, and instructions that may appear to him to be necessary during the progress of the work and the contractor shall carry out the work in accordance with any instructions which may be given to him in writing signed by the Engineer-in-Charge and such alterations, omissions, additions, or substitution, shall not invalidate the work which the contractor may be directed to do in the manner above specified as part of the work shall be carried

out by the contractor on the same conditions in all respects on which he agreed to do the main work. The time for the completion of the work shall be extended proportioning that the altered additional or substituted work bears to the original contract work, and the certificate of the Engineer-in-Charge shall be conclusive as to such proportion. Over and above this, a further period as may be deemed necessary not exceeding 25 percent of the time so extended may be allowed to the contractor. The rates for such additional, altered or substituted work under this clause shall be worked out in accordance with the following provisions in their respective order :

Do not invalidate Contract.

Extension of time in Consequence of alterations.

(i) If the rates for the additional, altered or substituted work are specified in the contract for the work, the contractor is bound to carry out the additional, altered or substituted work at the same rates as are specified in the contract for the work, the contractor is bound to carry out the additional, altered or substituted work at the same rates as are specified in the contract for the work.

(ii) If the rates for the additional altered or substituted work or not specifically provided in the contract for the work, the rates will be derived from the rates for similar class of work as are specified in the contract for the work.

(iii) If the altered, additional or substituted work includes any work for which no rates are specified in the contract for the work or can not be derived from the similar class of work in the contract then such work shall be carried out at the rates entered in the schedule of Rates for District/minus/plus per-centage which the total tendered amount bears to the estimated cost of the entire work put to tender.

(iv) If the rates for the altered, additional or substituted work can not be determined in the manner specified in sub-clauses (i) to (iii) above, then the rates for such work shall be worked out on the basis of the Schedule of rates of the District specified above minus/plus the percentage which the total tendered amount bears to the estimated cost of the entire work put to tender provided always that if the rate for a Particular part or parts of the item is not in the Schedule of Rates, the rates for such parts or parts will be determined by the officer accepting the contract on behalf of the Parishad on the basis of the prevailing market rate when the work was done.

(v) If the rates for the altered, additional or substituted work can not be determined in the manner specified in sub-Clauses (i) to (iv) above, then the contractor shall within 7 days of the date of receipt of order to carry out the work inform the officer accepting the contract on behalf of the Parishad of the rate which it is his intention to charge for such class of work, supported by analysis of the rate or rates claimed and the Superintending Engineer shall determine the rate or rates on the basis of the prevailing market rates and pay the contractor accordingly. However, the officer accepting the contract on behalf of the Parishad by notice in writing, will be at liberty to cancel his order to carry out such class, of work and arrange to carry it out in such manner as he may consider advisable. But no circumstances, the contractor shall suspend the work on the plea of nonsettlement of rates of items, failing under this clause.

The rates under sub-clauses (i), (ii) and (iii) shall be worked out by the officer accepting the contract on behalf of Parishad.

Clause 14 - If any time after the commencement of the work the Parishad shall for reason whatsoever not require the whole thereof as specified in the tender to be carried out through the contractor the Engineer-in-Charge shall give notice in writing of the fact to the contractor who shall have no claim to any payment compensation what so ever

No compensation for alteration in or restriction of work to be carried out.

on account or any profit or advantage, which he might have derived from the execution of the work in full, but which he did not derive consequence of the full amount of the work not having been carried out, neither shall he have any claim for compensation by reason of any alterations having been made in the original specification drawings, design and instructions which shall involve any curtailment of the work as originally contemplated not shall he have any claim to compensation by reason of his having purchased or procured materials with a view to the execution of the work or the performance of the contract. But the Engineer-in-Charge shall have the opinion either to take over the materials at site, if of approved quality and not in excess of the requirements of the work and pay to the contractor the actual cost thereof (of the amount of which cost, a certificate by the Engineer-in-Charge shall be binding on the contractor in the event of this option not being exercised, the contractor may submit to the Engineer-in-Charge, within one month of the date of the order closing down sustain by removing selling or otherwise disposing, of the materials, sustain by removing selling or otherwise disposing, of the materials. The estimate will be forwarded to the Housing Commissioner who will decide what sum if any, should as matter of grace be paid to the contractor to compensate him for the loss suffered by him, and the decision of the Housing Commissioner shall be final and binding on the contractor.

Action and compensation Payable in case of bad work.

Clause 15 - If it shall appear to the Engineer-in-Charge or his subordinate in charge of the work, that any work has been executed with unsound imperfect or unskilful workmanship, or work materials of any inferior description or that any materials or articles provided by him for the execution of the work are unsound or of a quality inferior to that contracted for or otherwise not in accordance with the contract, the contractor shall, on demand in writing from the Engineer-in-Charge specifying the work materials or articles or articles complained of notwithstanding that the same may have been inadvertently passed certified and paid for forth with rectify or remove and reconstruct the work so specified in whole or in part as the case may require or as the case may, remove the materials or articles so specified and provide other proper and suitable materials or articles, at his own proper charge and cost, and in the event of his failing to do so within a period to be specified by the Engineer-in-Charge in his demand aforesaid the contractor shall be liable to pay compensation at the rate of one percent on the amount of the estimate for every day not exceeding ten days while his failure to do so shall continue, and in the case of any such failure the Engineer-in-Charge may rectify or remove and re-execute the work or remove and replace with others the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.

Acceptance of sub-Standard work and Causing Technical Examination of work.

Clause 16 - Parishad shall have the right accept at reduced rate. Sub-standard or defective work and to cause an audit and technical examination of the works, and the running and final bills of the contractor including all supporting vouchers, abstracts etc., to be made before or after the payment of the final bills and if as a result of such acceptance of sub-standard or defective work, audit and technical examination, any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract but found not to have been actually executed, the contractor shall be liable to refund to amount of the over payment and it shall be lawful for the Parishad to recover the same from him in the manner prescribed in Clause 32 or in any other manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment may be duly paid by Parishad to the contractor.

Provided that the Sub-Standard or defective work accepted is not considered to be seriously defective by the Engineer-in-Charge and the rate of the work so accepted is suitably reduced by him to compensate the Parishad and such reduction is binding on the contractor.

Clause 17 - All Works under or in the course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Engineer-in-Charge and his subordinates, and the contractor shall at all times during the usual working hours, and at all other time, at which reasonable notice of intention of the Engineer-in-Charge or his subordinate to visit the work shall have been given to the contractor, either himself be present to receive orders and instructions, or have a responsible agent duly accredited in writing present for that purpose, Orders given to the contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

Work to be open to inspection

Contractor or responsible Agent to be present.

Clause 18 - The contractor shall give not less then five days notice in writing to the Engineer-in-Charge or his subordinate in charge of the work before covering up or otherwise placing beyond the each of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is so covered up or placed beyond the reach of measurement, and shall not cover up or place beyond the reach of measurement, any work without the consent in writing of the Engineer-in-Charge o his subordinate in charge of the work; and if any work shall be covered up or placed beyond the reach of measurement without such notice having been given or consent obtained the same shall be uncovered at the contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Notice to be given before work is covered up.

Clause 19 - If the contractor or his work people or servants shall break, deface, injure or destory any part of a building on or in which they may be working, or any building road, fence enclasure or grass land or cultivate ground contiguous to the premises on which the work or any part of is being executed, or if any damage shall happen to the work while in progress from any. cause whatever, or any defect shrinkage or other faults apper in it with six months after a certificate final or otherwise of its completion shall have been given by the Engineer-in-Charge as aforesaid, the contractor shall make the same good at his own expense, or in default, the Engineer-in-Charge may cause the same to be made good by other workman and deduct the expense (or which the certificate of the Engineer-in-Charge shall be final) as provided in Clause 32.

Contractor liable for damage done and for imperfections for six months after certificates.

Clause 20 - The contractor shall supply at his own cost all materials (except such special materials if any, as may in accordance with the contract be supplied from the Engineer-in-Charge's stores). plant, tools, appliances, implements, ladders, cordage tackle scaffolding and temporary works requisite or proper for the proper execution of the work, whether original, altered or substituted nad whether included in the specifications or other documents forming part of the contract or referred to in these conditions or not, which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge as to any matter as to which under these conditions he is entitled to be satisfied or which he is entitled to require together with carriage therefore to and form the the work.

Contractor to supply plant, ladders scaffolding etc.

The contractor shall also supply without charge the requisite number of persons with the means and materials necessary for the purpose of setting out works and counting weighing and assisting in the measurement or examination at any time and from time to time of the work or materials. Failing his so doing the same may be provided by the

Damages arising from nonprovision of light, fencing, etc.

Engineer-in-Charge at the expense of the contractor and the expenses may be deducted as provided in clause 32. The contractor shall also provide all necessary fencing and lights required to protect the public from accident, and shall be bound to bear the expenses of defence of every suit, action or other, proceedings at law that may be brought by any person for injury sustained owing to neglect of the above precautions, and to pay any damages and costs which may be awarded in any such suit, action or proceeding to any such person, or which may with the contract of the contractor be paid to compromise any claim by any such person, if any equipment is issued departmentally rent will be recovered from the contractor's bills at current rates fixed by the parishad, the terms of such issue to be ascertained by the contractor from the Engineer-in-Charge in writing in advance.

Work not to be Sublet.

Clause 21 - The contract shall not be assigned or sublet without the written approval of the officer accepting the contract on behalf of the Parishad. And if the contractor shall assign or sublet his contract, or attempt so to do, or become insolvent or commence any insolvency proceeding or make any composition with his creditors, or attempts so to do, or if any bribe, gratuity, gift, loan perquisite reward or advantage pecuniary or other-wise shall either directly or indirectly, be given, promised or offered by the contractor, or any of his servants or agents, to any public officer person in the employ of parishad in any way relating to his office or employment or if any such officer or person shall become in any way directly or indirectly interested in the contract, the officer accepting the contract on behalf of the Parishad may thereupon by notice in writing rescind the contract, and the security deposit of the contractor shall thereupon stand forfeited and be absolutely at the disposal of Parishad and the under clause 3 hereof, and in addition the contractor shall not be entitled to recover or be paid for any work there to or for actually, performed under the contract.

Contract may be rescinded & security deposit forfeited for subletting, bribing or if contractor becomes insolvent

Clause 22 - The contractor shall not for the execution of the work employ and labour under 12 years of age and, with the limits of any contonment, any female labourer. For every breach of this covenant the contractor shall be liable to pay by way of liquidated damages such sum not exceeding fifty rupees as the Engineer-in-Charge may fix and the Engineer-in-Charge may recover such sum as provided in clause 32.

Clause 23 - (a) The contractor shall pay to his labourers a fair wage and shall supply every labourer employed by him with a wage-card on which the rate of wages the attendance and payments will be entered.

Clause 23 - (b) The Contractor before the commences work shall paste in a conspicuous place of work a notice giving the rates of wages which shall not be less than the minimum wages applicable and where no minimum wages are applicable the wages will be such as may be certified as fair wages by the Engineer-in-Charge and shall send a copy of the notice to the Engineer-in-Charge.

Clause 24 - The contractor shall be bound by all Statutory provisions with regard to the period for which wages shall be paid and deduction from wages.

Clause 25 - The contractor shall comply with all labour laws as applicable at the site of the work.

Clause 26 - In respect of all labour directly or indirectly employed in the work for the performance of the contractors part of this agreement, the contractor shall comply with or cause to be complied with all the directives issued by Parishad from time to time for the protection of health and sanitary arrangements for workers employed by the Department and its contractors.

Clause 27 - Leave and pay during leave of all labour employed by the contractor shall be regulated as follows :

Maternity benefit rules for female Workers employed by contractors.

(1) LEAVE :

(i) In case of delivery, maternity leave not exceeding & weeks, 4 weeks upto and including the day of delivery and weeks following that day.

(ii) In the case of miscarriage upto 30 weeks from the date of miscarriage.

(2) PAY :

(i) In case of delivery leave pay during maternity leave will be at the rate of the women's average daily earnings, calculated on the total wages earned on the days when full time work was done during a period of 3 months immediately preceding the date on which she gives notice that she expects to be confined or at the rate of seventy five paise a day whichever is greater.

(ii) In case of miscarriage-leave pay at the rates of average daily earning calculated on the total wages earned on the days when full time work was done during a period of three months immediately preceding date of such miscarriage.

(3) Conditions for the grant of maternity leave :

No maternity leave benefit shall be admissible to a woman unless she has been employed for a total period not less than 6 months immediately preceding the date on which she proceeds on leave.

In the event of the contractor committing a default or breach of any of the provisions of the Parishad's directions to contractor's for the protection of health and sanitary arrangements for the workers or furnishing any information or submitting or filing any statement under the provisions of the above directions which is materially incorrect, the contractor shall without prejudice to any other liability pay to the Parishad, a sum not exceeding Rs. 50/- for every default or breach, and in the event of the contractor defaulting continuously in this respect, the penalty may be enhanced to Rs. 50/- per day for each day of default subject to a maximum of 5% of the estimated cost of the work put to the tender. The decisions of the Engineer-in-Charge shall be final and binding on the parties.

Should it appear to the Engineer-in-Charge that the contractor is not properly observing and complying with the said directions for the protection of health and sanitary arrangements for work people employed by the contractor (herein referred as the said directions), the Engineer-in-Charge shall have power to give him notice in writing to the contractor requiring that the said directions be complied with and the amenities prescribed herein be provided to the work people shall fail within the period specified in the notice. If the contractor shall fail within the period specified in the notice to comply with and observe the said directions and to provide the amenities to the work-people as aforesaid, the Engineer-in-Charge shall have the power to provide the amenities here in before mentioned at the cost of the contractor. The contractor shall erect, make and maintain at his expense, and at approved standards all necessary huts and sanitary arrangements required for his work-people on the site in connection with the execution of the Works and if the same shall not have been erected or constructed, according to

the approved standards, the Engineer-in-Charge shall have power to give notice in writing to the contractor enquiring that the said huts and sanitary arrangements be remodelled and/or reconstructed according to approved standard and if the contractor shall fail to remodel or reconstruct such huts and sanitary arrangements according to the approved standards within the period specified in the notice, the Engineer-in-Charge shall have the power to remodel or reconstruct such huts and sanitary arrangements according to approved standards at the cost of the contractor, and to recover the same as provided in clause 32.

Clause 28 - The contractor shall at his own cost provide his labour with a sufficient number of huts (herein after referred to as the camp) of the following specifications on suitable plot of land to be approved by the Engineer-in-Charge 1 (a) The minimum height of each hut at the eye level shall be 7 feet for each number of the workers, family staying with the labourer.

(b) The contractor shall in addition contract suitable cooking places having a minimum area 6' x 5' adjacent to hut for each family.

(c) The contractor shall also construct temporary latrines and urinals for the use of the labourers each on the scale of not less than four per each one hundred of the total strength latrines and urinals being provided for women.

(d) The contractor shall construct sufficient number of bathing and washing places, one unit for every 25 persons residing in the camp. These bathing and washing places shall be suitably screened.

2 (a) All the huts shall have walls of sun-dried or burnt bricks laid in mud mortar or other suitable local materials as may be approved by the Engineer-in-Charge. In case of sun-dried bricks, the wall should be plastered with mudgobri on both sides. the floor may be kacha but plastered with mudgobri and shall be at least 6" above the surrounding ground. The roofs shall be laid with thatched or any other materials as may be approved by the Engineer-in-charge and the contractor shall ensure that throughout the period of their occupation roofs remain water-right.

(b) The contractor shall provide each hut proper ventilation.

(c) All doors windows and ventilators shall be provided with suitable leaves for security purposes.

(d) There shall be kept as open space of atleast 8 feet between the rows of huts which may be reduced to 2 ft. according to the availability of site with the approval of the Engineer-in-Charge Back to back construction will be allowed.

(3) Water supply - The contractor shall provide adequate supply of water for the use of labourers. The provisions shall not be less than 2 gallons of pure and wholesome water per head per day for drinking purposes and 3 gallons of clean water per head for bathing and washing purposes. Where pipe water supply is available, the supply shall be at stand posts and where the supply is from wells or river, tanks which may be of metal or masonry shall be provided, The contractor shall also at his own cost make arrangements for laying pipe lines for water supply to his labour camp from the existing main where ever available and shall pay all fees and charges therefore.

(4) The site selected for the camp shall be high ground, removed from jungle.

(5) Disposal of Excreta-The contractor shall make necessary arrangements for the disposal of excreta from the latrines by trenching or incineration. Which shall be according to the requirements laid down by the Local Health Authorities. If trenching or incineration is not allowed the contractor shall make arrangement for the removal of exetera through the Municipal Committee/authority and inform it be made by such Committee/authority for the removal of the excreta. All charges on this account shall be borne by the contractor and paid direct by him to the municipality/authority. The contractor shall provide one sweeper for every eight seats in case of dry system.

(6) Drainage The contractor shall provide efficient arrangements for draining away suilage water so as to keep the came neat and tidy.

(7) LIGHTING The contractor shall make necessary arrangements for keeping the camp area sufficiently lighted to avoid any accidents to the workers.

(8) SANITATION. Contractor shall make arrangements for conservancy and sanitation in the labour camps according to the rules of the Local Public Health and Medical Authorities.

Clause 29 - All sums payable by way of compensation under any of these conditions shall be considered as reasonable compensation to be applied to the use of Parishad without reference to the actual loss or damages sustained, and whether or not any damage shall have been sustained.

Sum payable by way of compensation to be considered as reasonable compensation without reference to actual loss

Clause 30 -In the case of tender by partners any change in the constitution of the firm shall be forthwith notified by the contractor to the Engineer-in-Charge for his information.

Change in constitution of firm.

Clause 31- All works to be executed under the contract shall be executed under he direction and subject to the approval in all respects of the Engineer-in-Charge for the time being who shall be entitled to direct at what point or points and in what manner they are to be commenced and form time to time carried on.

Works to be under direction of Engineer-in-Charge

Clause 32-(a) If the contractor considers any work demanded of him to be outside the requirements of contract, or considers any record or ruling of the Engineer-in-Charge of his subordinates to be unfair, he shall immediately upon such work being demanded or such record or ruling being made, ask in writing for written instructions or decisions, whereupon he shall proceed without delay to perform the work or conform to the record or ruling and within twenty days after date of receipt of the written instructions or decisions he shall file a written protest with the Engineer-in-Charge stating clearly and in detail the basis of his objections Except for such protests or objections, as are made on record in the manner herein specified, and within the time limit stated, the records, instructions, or decisions of the Engineer-in-Charge shall be final and conclusive. Instructions and/ or decisions of the Engineer-in-Charge contained in letters transmitting drawings to the contractor shall be considered as written instructions or decisions, subject to protests or objections as wherein provided.

Protests

(b) If the contractor is dissatisfied with the final decision of the Engineer-in-Charge in pursuance of clause 32 (a), the contractor may within twenty-eight days after receiving notice of such decision give notice in writing requiring that the matter be submitted to

arbitration and furnishing detailed particulars of the dispute or difference specifying clearly the point at issue. If the contractor fails to give such notice within the period of twenty days as stipulated above, the decision of the Engineer-in-Charge shall be conclusive and binding on the contractor.

Sub-Clause (c) of Clause 32 :

"Except where otherwise provided in the contract every dispute, difference or question which may at any time arise between the parties hereto or any Person claiming under them, touching or arising out of or in respect of this deed or the subject matter thereof shall be referred to the sole arbitration of the person appointed by the Housing Commissioner of the Parishad. It will be no objection to any such appointment that the arbitrator so appointed is a servant of the parishad, that he had to deal with the matters to which the contract relates and that in the course of his duties as a servant of the parishad he had expressed views on all or any of the matters in dispute or difference. In the event of the arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason he said Housing Commissioner shall appoint another person to act as arbitrator. Such person shall be entitled to proceed with the reference for the stage it was left by his predecessor. It is also a term of this contract that no person other than a person appointed as aforesaid should act as arbitrator and if for any reason that is not possible the matter is not to be referred to the arbitration at all. In all cases where the amount of the claim in dispute is Rs. 50,000/- (Rupees fifty thousand) and above the arbitrator shall give reasons for the award.

It is a term of the contract that the parties invoking the arbitration shall specify the dispute or disputes to be referred to arbitration together with the amount or amounts claimed in respect of each such dispute.

Subject as aforesaid, the provisions of the Arbitration Act 1940, or any statutory modification or re-enactment thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings.

The arbitrator may from time to time with the consent of the parties enlarge the time for making and publishing the award.

Stores imported from Europe to be obtained from Parishad

Clause 33 - The contractor shall obtain from the Stores of the Engineer-in-Charge all stores and all imported materials, if required to any considerable extent for the work of any part thereof or in making article required there for or in connection therewith. The value of such stores and articles as may be supplied to the contractor by the Engineer-in-Charge will be debited to the contract and if they are not entered in the Schedule, they will be debited at cost price, which for the purpose of this contract shall include the cost of carriage and all other expenses whatsoever which shall have been incurred in obtaining delivery of the same at the stores aforesaid. The Engineer-in-Charge may issue materials contractor from existing stock if he asks for in excess of those entered in the Schedule. In such cases the price charged must be stock rate or market, rate, whichever is greater.

Arbitrator.

Clause 34 - "All moneys or compensation payable by the contractor to the Parishad under the terms of this contract may be deducted from or realised by the sale of sufficient part of the security deposit of the contractor under this or any other contract

with the Parishad or from interest arising there from or from any sums which may be due or may become due to the contractor by the Parishad under this or any other account."

Clause 35 - In the case of any class of work for which there is no specification in the contract such work shall be carried out in accordance with the detailed P.W.D., specification and in the event of there being no detailed specifications for the same the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.

Action where no specification is given.

Clause 36 - The additions and deduction on account of the Percentage referred to at page 3 of the accepted tender will be calculated on the gross, and not the net, amounts of the bills for the work done.

Clause 37 (i) In every case in which by virtue of the provisions of section 12 sub-Section (i) of the Workmen's Compensation Act, 1923. Parishad obliged to pay compensation to a workman employed by the contractor or by any sub-contractor from him in the execution of the said work, Parishad will/recover from the contractor the amount of the compensation so paid, and without prejudice to the rights of Parishad under Section 12, Sub-Section (2) of the said Act, Parishad shall be at liberty to recover such amount or any part there of by deducting in either from the security deposited by the contractor or deducting in either from the security deposited by the contractor or his credit under Clause of these conditions or from any other sum due to Parishad from the Contractor whether under this contract or otherwise.

Contractor's Percentage whether applied to net or gross amount of bills (Strike out this clause in the case of an item rate contract)

(2) Parishad shall not be bound to contest any claim made against it under Section 112. Sub-section (1) of the said Act, Except on the written request of the contractor and upon his giving to Parishad full security for all costs for which Parishad might become liable in consequence of contesting the claim.

Clause 38 - No bricks for use on the work shall be manufactured within the limits of a municipality, cantonment or notified area or within half a mile of the site of work. Any bricks so manufactured may be rejected by the Engineer-in-Charge.

Clause 39 - No earth for filling, or for any other purpose, shall be excavated within half a mile of the site of work except with the written permission of the Engineer-in-Charge and then only on condition that the area, in which such excavation in made shall be levelled and derssed by the contractor at his own expese in accordance with the instructions of the Engineer-in-Charge and in such a manner as to provent the formation of stagnant water.

If the contractor fails to comply with this condition the Engineer-in-Charge may cause the ground to the levelled and dressed by other workman and deduct the expenses (of which the certificate of the Engineer-in-Charge shall be final) from any sums which may be due, or may at any time there after become due, to the contractor or from his security deposit, on from the proceeds or sale thereof.

Clause 40 - The contractor shall be liable to rectify the defects in the building on account of leakage or seepage from the roof and /or depressed floors of toilets, inferior wood of doors and window, structure, unsoundness of R.C.C. work. Sinking of floors and/or electrical wiring within 3 years of completion of work. If the contractor fails to rectify the defects, his general security or 1% of contract amount whichever is available shall be forfeited and the contractor shall be black listed (As per HQ (CE'S) Letter No. 2606/M-42 dt. 12.07.03).