

NATIONAL INSTITUTE OF RURAL DEVELOPMENT & PANCHAYATI RAJ

(Ministry of Rural Development, Government of India)

Rajendranagar – Hyderabad 500 030

e-tender for

Renovation and Roof Treatment in H-3 Quarter including Internal and external painting and laying of vitrified tiles in Ground Floor and internal electrification @ NIRD&PR Campus

Online bids are invited by the Executive Engineer, National Institute of Rural Development, Panchayati Raj Rajendranagar, Hyderabad 500 030 on behalf of Director General, NIRD&PR from approved and eligible contractors of CPWD and those on appropriate list of P&T, MES, Railways and State PWD.

Bidding document No:EE/CMU/20-21/05	EMD for Rs 19,100/-
Bid document download/sale start date & time 21-12-2020 at 10.00 AM	Bid submission due date and time 28-12-2020 at 3.00 PM
Publishing date:	21/12/2020 at 10.00 AM

2. Completion period is 3 months Bidders are requested to update themselves before quoting for the tender.
3. The detailed NIT along with qualification criteria, EMD bidding document etc can be viewed /Downloaded from any of the given website:
<http://eprocure.gov.in/eprocure/app>. Bidders are required to upload and submit their E-bid on Central Public Procurement Portal only. All amendments, time extension, clarification etc., will be uploaded in the website only and will not be published in newspapers. Bidders should regularly visit website to keep themselves updated.

F.No: No:EE/CMU/20-21/05

Dated:17.12.2020.

Sd/-

Executive Engineer

NIRD&PR Hyderabad-30

NATIONAL INSTITUTE OF RURAL DEVELOPMENT & PANCHAYATI RAJ

(Ministry of Rural Development, Government of India)

Rajendranagar – Hyderabad 500 030

Online bids are invited under stage two bid system for the

Renovation and Roof Treatment in H-3 Quarter including Internal and external painting and laying of vitrified tiles in Ground Floor and internal electrification @ NIRD&PR Campus

Tender documents may be downloaded from NIRD&PR website <http://eprocure.gov.in/eprocure/app> as per the schedule as given in Critical date sheet as under

CRITICAL DATE SHEET

Published date	21-12-2020 at 10.00 AM
Bid document download/ sale start date	21-12-2020 at 10.00 AM
Clarification start date	21-12-2020 at 10.00 AM
Clarification end date	28-12-2020 at 3.00 PM
Bid submission start date	21-12-2020 at 10.00 AM
Bid submission end date	28-12-2020 at 3.00 PM
Technical Bid opening date	29-12-2020 at 3.00 PM

2. Bids shall be submitted online only at CPPP website <http://eprocure.gov.in/eprocure/app>.
3. Not more than one tender shall be submitted by one contractor or contractors having business relationship. Under no circumstance will father and his son(s) or other close relations who have business relationship with one another (i.e. when one or more partner(s) / director(s) are common be allowed to tender for the same contract as separate competitors. A breach of this condition will render the tenders of both parties liable to rejection.
4. **Applicant contractor must provide demand draft for Rs. 19,100 (Rupees Nineteen thousand one hundred only) (to be purchased on or after publication date of this tender) in favour of NIRDPR, Rajendranagar, Hyderabad 500 030 and payable at Hyderabad obtained from any Nationalized/ scheduled bank downloaded tenders towards Earnest Money Deposit. All applicable bank charges shall be borne by the applicant and he shall not have any claim what so ever on this account on government.**

5. The Hard Copy of original instruments i.e. Demand Draft in respect of Earnest Money Deposit, other documents must be delivered to the Executive Engineer, NIRDPR, Rajendranagar, Hyderabad 500 030 on or before bid opening date/ time as mentioned in critical date sheet Tenderer shall likely to be liable for legal action for non-submission of original payment instrument like DD etc. against the submitted bid.
6. Bids will be opened online as per date/ time as mentioned in the Notice Inviting Tender at Central Public Procurement Portal (<http://eprocure.gov.in/eprocure/app>.) after online opening of Technical-Bid the results of their qualification as well price bid opening will be intimated later.

Submission of Tender:

The tender shall be submitted online in two parts viz., technical bid and financial bid. The offers submitted by telegram/ Fax/ email shall not be considered. No correspondence will be entertained in this matter.

Instructions for Online Bid Submission:

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL <http://eprocure.gov.in/eprocure/app>). The bidders are required to submit soft copies of their bids electronically on the CPP portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <http://eprocure.gov.in/eprocure/app>.

Registration:

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL <http://eprocure.gov.in/eprocure/app>.) by clicking on the link” **Online Bidder Enrollment**” on the CPP Portal is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid e-mail address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile.
5. Only one valid DSC should be registered by the a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC”s to others which may lead to misuse.
6. Bidder then logs in to the site through the secured log-in by entering their user ID/ password and the password of the DSC/ e-Token.

Contractor

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Searching for Tender Documents:

1. There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date value etc. there is also an option of advanced search for tenders wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date other keywords etc to search for a tender published on the CCP Portal.
2. Once the bidders have selected the tenders they are interested in they may download the required documents / tender schedules. These tenders can be moved to the respective "My Tenders" folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the helpdesk

Preparation of Bids

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
3. Bidder, in advance should get ready the bid documents to be submitted as indicated in the tender document/ schedule and generally, they can be in PDF/ XLS / RAR / DWF formats. Bid documents may be scanned with 300 dpi with black and white option.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (i.e. PAN Card copy, annual reports, auditor certificates etc) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Spare" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process

Submission of Bids:

1. Bidder should log into the site well in advance for bid submission so that he / she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidder as to select the payment option as "offline" to pay the tender fee / EMD as applicable and enter details of the instrument

4. Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/ couriered/ given in person to the Tender Processing section, latest by the last date of bid submission. The details of the DD/ any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
5. A standard price bid format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the file and quote the amount on hard copy. Once the details have been completed, the bidder should submit it online in form of soft copy, if the file is found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should flow this time during bid submission.
7. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive field is done.
8. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
9. Upon the successful and timely submission of bids, the portal will give a successful bid submission message and a bid summary will be displayed with the bid no and the data and time of the bid with all other relevant details.
10. The bid summary has to be printed and kept at an acknowledgement of the submission of the bid opening meetings.

Assistance to Bidders:

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person. contact details for tender related queries: Executive Engineer CMU., NIRD&PR in office hours from 10:30 am to 5:30 pm on PH:040- 24008555 ,Hyderabad.

2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24 x 7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 73

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Part 1 : (Technical Bid)

The following documents are to be furnished by the Contactor in 1st Cover as per the tender document.

scanned copies of the following

1. Scanned copy of Contractor Registration Certificate
2. Scanned copies of Income Tax/ PAN card/
3. Scanned copy of GST Registration
4. The Demand Draft for **Rs.19,100/-** towards Earnest Money Deposit (EMD).
5. Scanned copy undertaking given by the electrical contractor that the electrical work will be executed by him

Note: The original demand draft towards Earnest Money Deposit and hard copies of the above documents should be submitted on or before bid submission closing date and time to **Executive Engineer, NIRD&PR, Hyderabad.**

Contractor

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Estimate

PART-A

Name of the work: Internal and external painting and G.F vitrified tiles flooring in H- 3 Quarter.

SNo	Description of items	Qty	Per	Rate	Amount
1.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : a . (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size) (DSR-2018, code No. 4.1+4.1.10 P. No. 86)	1.5	cum	5520.30	8280
2.	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). a. Size of Tile 600x600 mm (DSR-2018, code No. 11.49+11.49.2 P. No. 200)	120	sqm	1609.95	193194
3.	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand). a. Dark shade pigment using ordinary cement (DSR-2018, code No. 11.20+11.20.3. P. No. 196)	15	sqm	928/-	13920
4.	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : a. W.C. pan with ISI marked white solid plastic seat and lid (DSR-2018, code No. 17.2+17.2.1. P. No. 299)	1	each	5260.95	5260
5.	Providing and fixing wash basin with C.I.	1	each	2510.45	2510

	brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: a. White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap. (DSR-2018, code No. 17.7+17.7.4 P. No. 300)				
6.	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : a. Water thinnable cement primer (DSR-2018, code No. 13.43+13.43.1 P. No. 231)	600	sqm	60	36000
7.	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. a. Two coats (DSR-2018, code No. 13.83+13.83.2 P. No. 236)	600	sqm	113.90	68340
8.	Providing and fixing G.I. chain link fabric fencing of required width in mesh size 50x50 mm including strengthening with 2 mm dia wire or nuts, bolts and washers as required complete as per the direction of Engineer-in-charge. a. Made of G.I. wire of dia 4 mm (DSR-2018, code No. 16.70+16.70.1 P. No. 284)	15	sqm	797.20	11958
9.	12 mm cement plaster of mix : a. 1:4 (1 cement: 4 coarse sand) (DSR-2018, code No. 13.4.+13.4.1 P. No. 228)	40	sqm	276.15	11046
10.	Finishing walls with Acrylic Smooth exterior paint of required shade : a. Old work (One or more coat applied @ 0.90 ltr/10 sqm). (DSR-2018, code No. 13.111+13.111.2 P. No. 238)	600	sqm	67.35	40410
11.	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : a. One or more coats on old work (DSR-2018, code No. 13.99+13.99.1 P. No. 239)	250	sqm	79.95	19987
12.	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :	0.25	cum	7590.45	1898

	a. Cement mortar 1:6 (1 cement : 6 coarse sand) (DSR-2018, code No. 6.4+69.4.2 P. No. 108)				
13.	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. a. In cement mortar (DSR-2018, code No. 15.7+15.7.4 P. No. 258)	1	cum	1469.90	1470
14.	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge (DSR-2018, code No. 15.3 P. No. 258)	1	cum	2534.70	2535
15.	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) : 3 graded stone aggregate 20 mm nominal size). (DSR-2018, code No. 5.3 P. No. 95)	1.5	cum	9763.80	14646
16.	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. a. Mild steel and Medium Tensile steel bars (DSR-2018, code No. 5.22A P. No. 98)	100	kg	82.10	8210
17.	Centering and shuttering including strutting, propping etc. and removal of form for : a. 13Suspended floors, roofs, landings, balconies and access platform. (DSR-2018, code No. 5.9+5.9.3 P. No. 96)	13	sqm	693.05	9010
18.	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. (DSR-2018, code No. 18.48 P. No. 342)	1000	ltrs	8.80	8800
					4,57,475
Cost index 5.93% Rs.					27,128
					4,84,603

(Rupees four lakh eighty four thousand six hundred and three only)

Estimate

PART-B

Name of the work: Roof Treatment to H-3 Quarter.

SNo	Description of items	Qty	Per	Rate	Amount
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead. (DSR-2018, Code No. 15.56, P.No. 263)	120	sqm	39/-	4680
2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing: a. 1:1½:3 (1 cement : 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size). (DSR-2018, Code No. 4.2 + 4.2.2, P.No. 86)	2.18	cum	8,976.45	19,569
3	Cement plaster 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement. (Impervious coat) a. 20 mm cement plaster sqm (DSR-2018, Code No 13.9+13.9.2, P.No. 228)	120	sqm	460.7	55,284.00
4	SPECIALISED POLYURETHANE SEALANT TREATMENT TO THE TERRACE CRACKS 1). Making 'V' Groove with pneumatic machinery. 2). Cleaning of the surface. 3). Application of one coat crystalline waterproof coating with ROOFEX XL / ZORICOAT XL / POWER n CRYSTAL 2K- (Armstrong / PMCC / EBT) 4). Filling of the groove with polyurethane sealant - ROOFSEAL PU / ZORISEAL PU /POWER n SEAL PU (ARMSTRONG / PMCC/EBT)	110	R.M	220/-	24,200.00

5	<p>GROUTING WITH SPECIALISED GROUT ADDITIVES TO THE TERRACE : [a]. Drilling of holes with power drilling machine to the required depth [12mm to 14mm dia sized holes]</p> <p>[b]. Fixing of Rubber nozzles with quick setting, rapid hardening compound- RAPIDSTRONG QS /ZORIRAPIDR / POWER n QK Set (Armstrong / PMCC / EBT) cement putty.</p> <p>[c]. Grouting of holes with 140 PSI Grout pump with Cement slurry and mixing with Specialised non-shrink, free flow Grout additives – RAPIDSTRONG GROUT ADMIX / ZORIGROUT GP1/ POWER n GROUT ADMIX (Armstrong / PMCC / EBT).</p> <p>[d]. Sealing of the nozzle with Acrylic Polymer Sealing Compound – ROOFCRETE AR / ZORICRETE CMG / POWER n GUARD AR (Armstrong / PMCC / EBT)+ Cement.</p> <p>NOTE : RECOMMENDED IN GENERAL 1 GROUT POINT PER EVERY SQM AREA</p>	100	nos	125/-	12,500
6	<p>SPECIALISED ACRYLIC POLYMER CEMENT MORTAR TREATMENT TO THE TERRACE : [a]. Cleaning of the surface from dirt, dust and other contaminations.</p> <p>[b]. Application of one coat of Latex based Acrylic polymer bonding agent–ROOFBOND SBR / ZORIBOND SBR / POWER n BOND SBR (Armstrong / PMCC/ EBT) mixing with cement as per manufacturers specifications.</p> <p>[c]. After the bond coat application, Providing and Laying of Polymer cement mortar at 1:4 ratio mixing with Acrylic polymer modified reinstatement mortar – ROOFCRETE AR 576 / ZORICRETE CMG 476 / POWER n GUARD AR (Armstrong/PMCC / EBT) @ 2 Ltrs per Bag of 50 Kgs Cement at an average thickness of 12mm with neat finish.</p>	15	sqm	460/-	6,900
					1,23,133
	Add cost index 5.93% for item No. 1,2,&3 i.e for Rs.79,533/-.				4716
					Rs. 1,27,849

Schedule of work

Name of work : Providing of electrification for H-3 quarters at NIRD PR campus, Rajendernagar, Hyderabad,

Sl. No.	Code No.	Description of items	Quantity		Rate	Unit	Amount
1	1.10.	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
1.1	1.10.3	Group -C	72	Pts.	990	Point	71280.00
1.2	1.10.3	Group -B	18	Pts.	783	Point	14094.00
2	1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	12	Pts.	1057	Point	12684.00
3	1.14	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
3.1	1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	200	Mtrs.	167	Metre	33400.00
3.2	1.14.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	150	Mtrs.	200	Metre	30000.00
3.3	1.14.9	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	150	Mtrs.	394	Metre	59100.00
3.4	1.14.10	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	20	Mtrs.	543	Metre	10860.00
4	1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
4.1	1.24.1	5/6 A switch	40	Nos.	85	Each	3400.00
4.2	1.24.4	3 pin 5/6 A socket outlet	40	Nos.	111	Each	4440.00
4.3	1.24.6	Telephone socket outlet	4	Nos.	119	Each	476.00
4.4	1.24.7	TV antenna socket outlet	4	Nos.	119	Each	476.00
5	1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	12	Nos.	401	Each	4812.00
6	1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	16	Nos.	495	Each	7920.00

Sl. No.	Code No.	Description of items	Quantity		Rate	Unit	Amount
7	1.27	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.					
7.1	1.27.6	12 Module (200mmX150mm)	4	Nos.	434	Each	1736.00
8	1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	12	Nos.	342	Each	4104.00
9	2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)					
9.1	2.4.2	6 way (4 + 18), Double door	2	Nos.	3693	Each	7386.00
10	2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
10.1	2.10.1	Single pole	36	Nos.	199	Each	7164.00
11	2.18	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	4	Nos.	1232	Each	4928.00
12	MR	Supplying, Installtion, testing and commissioning of metallic body Heavy duty Exhaust fan of size 300 mm sweep suitable operation on 240V single phase A/C 1400 mm R.P.M in the existing opening along with Supply & fixing of G.I louvres / shutters on the existing wall, including making good the damage, connections etc., as required.	6	Nos.	3180	Each	19080.00
13	1.44	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	12	Nos.	171	Each	2052.00
14	1.34	Supplying and fixing brass batten/ angle holder including connection etc. as required.	36	Nos.	117	Each	4212.00
15	1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting / LED fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	22	Nos.	168	Each	3696.00

Sl. No.	Code No.	Description of items	Quantity		Rate	Unit	Amount
16	MR	Supplying and fixing prewired 3 modular indirect LED type skirting / foot light luminarie on existing GI metal box suitable for operation 230Volts, single phase, 50Hz, AC supply including LED lamp connection, testing and commissioning etc, as required.	9	Nos.	767	Each	6903.00
17	MR	Supply, Installation, testing and commissioning of Surface mounted batten type, mirror LED light, high efficiency performance LED luminaire with lumens not less than 700 lumens and wattage not more than 10Watts, having inbuilt surge protection not less than 2 KV, colour temperature 5000-6500K, non - yellowing diffuser complete with constant driver unit duly wired and as per specifications of LED fittings attached, fixing on surface with suitable clamps, including dismantling of the existing fittings, connections with 3 core 1.5 sq. mm FRLS PVC insulated, copper conductor cable and earthing etc. as required.	4	Nos.	1014	Each	4056.00
18	1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	100	Nos.	32	Each	3200.00
19	1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
19.1	1.21.2	25mm	25	Mtrs.	90	Metre	2250.00
					TOTAL	Rs.	323709.00
		Add cost index @ 5.93% on SR items i.e. on Rs.			293670		17414.63
							341123.63

NATIONAL INSTITUTE OF RURAL DEVELOPMENT & PANCHAYATI RAJ**Proforma for Quoting the Rates****NIT No. /EE/ 2020-21****(EE's Office NIT No.)**

Name of the work: Renovation and Roof Treatment in H-3 Quarter including Internal and external painting and laying of vitrified tiles in Ground Floor and internal electrification @ NIRD&PR Campus

Estimated Cost Put to Tender Rs.

Name of the Contractor					
S.No	Name of component	Estimated cost	Percentage above or below the estimated cost	% in Figures	Total Cost
1.	Civil Work	Rs. 6,12,452/-			
2.	Electrical Work	Rs. 3,41,124/-			
	Grand Total Rs.	9,53,576.00			

IMPORTANT NOTE:

1. The Estimated Cost Put to Tender has been worked out by taking into consideration the Cost Index of Hyderabad thereby enhancing by DSR 2018 items only in Civil & Electrical component items and considering the Market Rates for NSR items.
2. The tenderer is required to quote the percentage specifying above /below or at par accurate to two places of decimal or zero percentage on the Estimated cost to cover the rates of all the items under the Schedules of Composite Tender for Civil and Electrical work separately. This column should not be left blank, otherwise the tender shall be treated as INVALID.
3. The tender shall be finalised based on over all percentage quoted by the agency to determine the 'L1'
4. However the agency shall be paid for the Civil and Electrical items based on the percentages quoted by the agency for the respective components of work.
5. The Percentage shall be typed only in figures upto 2 (two) places of decimal along with algebraic sign.
6. The tenderer shall enable the macros before entering the figures, to be see the quoted percentage and amount in words.
7. If the Percentage quoted both in words and figures are not clear, or if the rate is not quoted in Percentage, the offer will be treated as INVALID.

Signature of Contractor

Name:

Date:

Postal; Address:

Hyderabad

E-Mail ID

EXECUTIVE ENGINEER
CMU, NIRD&PR,

Renovation and Roof Treatment in H-3 Quarter including Internal and external painting and laying of vitrified tiles in Ground Floor and internal electrification @ NIRD&PR Campus

Copies of other drawings and documents pertaining to the works will be open for inspection by the tenderers at the office of the above mentioned officer.

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far as is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided for in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work

- 2) The competent authority on behalf of does not bind himself to accept the lowest or any other tender, and reserves to himself the authority to reject any or all of the tenders received without the assignment of a reason. All tenders, in which any of the prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by the tenderer shall be summarily rejected.
- 3) Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing will be liable to rejection.
- 4) The competent authority on behalf of Director General, NIRD reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
- 5) The contractor shall not be permitted to tender for works in the NIRD (responsible for ward and execution of contracts) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He 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 Gazetted officer in the National Institute of Rural Development or in the Ministry of Rural Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
- 6) No Engineer of Gazetted rank or other Gazetteer officer employed in Engineering or Administrative duties in an Engineering Department of the is allowed to work as a contractor for a period of two years after his retirement from Government service, without the previous permission of the in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the as aforesaid before submission of the tender or engagement in the contractors service.
- 7) The tender for the works shall remain open for acceptance for a period of sixty days

from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance which ever is earlier or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit 50% of the said earnest money as aforesaid.

This Notice Inviting Tender shall form a part of the contract document. The successful tenderer / contractor, on acceptance of his tender by the Accepting Authority, shall, within 60 days from the stipulated date of start of the work sign the contract consisting of: -

- a) The notice inviting tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
- b) Standard C.P.W.D. Form – 8

9 For composite tenders

Contractor

Executive Engineer

1. The tenderer must associate with himself agencies of the appropriate class eligible to tender for the other components individually.

It will be obligatory on the part of the tenderer to sign the tender document for all the components (The schedule of quantities, conditions and special conditions etc.)

After the work is awarded, the contractor will have to enter into separate agreement for each component with the officer concerned.

The Executive Engineer in charge of the major component will call tenders for the composite work. The cost of tender document and earnest money will be fixed with respect to the combined estimated cost put to tender for the composite tender. Security deposit will be worked out separately for each component corresponding to the estimated cost put to tender for the composite tender. The earnest money will become part of the security deposit of the major component of work.

On acceptance of the composite tender by the competent authority, the letter of award will be issued by the Executive Engineer-in-charge of the major component on behalf of the DG, NIRD, making it clear in the letter of award that the contractor will have to execute separate agreements for different components of work with the concerned officers of the respective discipline (Designation to be given).

Contractor

Executive Engineer

General rules and directions:

1. All work proposed for execution by contract will be notified in a form of invitation to tender pasted in public places and signed by the officer inviting tender or by publication in News papers as the case may be.

This form will state the work to be carried out, as well as the date for submitting and opening tenders and the time allowed for carrying out the work, also the amount of earnest money to be deposited with the tender, and the amount of the security deposit to be deposited by the successful tenderer and the percentage, if any, to be deducted from bills. Copies of the specifications, designs and drawings and any other documents required in connection with the work signed for the purpose of identification by the officer, inviting tender shall also be open for inspection by the contractor at the office of officer inviting tender during office hours.

2. In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power of attorney authorising him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act, 1952.
3. Receipts for payment made on account of work, when executed by a firm, must also be signed by all the partners, except where contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by one of the partners, or by some other person having due authority to give effectual receipts for the firm.
4. Any person who submits a tender shall fill up the usual printed form, stating at what rate he is willing to undertake each item of the work. Tenders, which propose any alteration in the work specified in the said form of invitation of tender, or in the time allowed for carrying out the work, or which contain any other condition of any sort including conditional rebates, will be summarily rejected. No single tender shall include more than one work, but contractors who wish to tender for two or more works shall submit separate tender for each. Tender shall have the name and number of the works to which they refer, written on the envelopes.

The rate[s] must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.

5. The officer inviting tender or his duly authorized assistant, will open tenders in the presence of any intending contractors who may be present at the time, and will enter the amounts of the several tenders in a comparative statement in a suitable form. In the event of a tender being accepted, a receipt for the earnest money forwarded therewith shall thereupon be given to the contractor who shall thereupon for the purpose of identification sign copies of the specifications and other documents mentioned in Rule-1. In the event of a tender being rejected, the earnest money forwarded with such unaccepted tender shall thereupon be returned to the contractor remitting the same, without any interest.
6. The officer inviting tenders shall have the right of rejecting all or any of the tenders and will not be bound to accept the lowest or any other tender.
7. The receipt of an accountant or clerk for any money paid by the contractor will not be considered as any acknowledgement or payment to the officer inviting tender and the contractors shall be responsible for seeing that he procures a receipt signed by the officer inviting tender or a duly authorised Cashier.
8. The memorandum of work tendered for and the schedule of materials to be supplied

by the department and their issue-rates, shall be filled and completed in the office of the officer-inviting tender before the tender form is issued. If a form is issued to an intending tenderer without having been so filled in and incomplete, he shall request the officer to have this done before he completes and delivers his tender.

9. The tenderers shall sign a declaration under the officials Secret Act, 1923, for maintaining secrecy of the tender documents drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
10. In the case of item Rate Tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise proved be taken as correct. If the amount of an item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise proved be taken as correct and not the amount.
11. In the case of any tender where unit rate of any item/items appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation such a tender is liable to be disqualified and rejected.
12. All rates shall be quoted on the tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in words. In case of figures, the word "Rs" should be written before the figure of rupees and word "P" after the decimal figures, e.g. "Rs.2.20P" and in case of words, the word, "Rupees" should precede and the word "Paise" should be written at the end. Unless the rate is in whole rupees and followed by the word "only" it should invariable be up to two decimal places. While quoting the rate in schedule of quantities, the work "only" should be written closely following the amount and it should not be written in the next line.
13. The contractor shall submit an irrevocable performance guarantee of 5% (five percent) of the tendered amount in addition to the other deposits mentioned elsewhere in the contract for proper performance of the agreement (not withstanding and / or without prejudice to any other provisions in the contract) within 60 days of issue of letter of intent. This guarantee shall be in the form of government securities or fixed deposit receipts or guarantee bonds of any scheduled bank or the state bank of India, in accordance with the form annexed hereto.
14. The contractor whose tender is accepted, will be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 5 % of the tendered value of the work. The Security deposit will be collected by deductions from the running bills of the contractor at 10% of the gross amount of each running bill till the sum along with sum already deposited as earnest money will amount to security deposit equal to 5% of the tendered value of the work [Bank Guarantee, is not to be accepted as Security deposit.]
15. On acceptance of the tender, the name of the accredited representative[s] of the contractor who would be responsible for taking instructions from the Engineer- in-Charge shall be communicated in writing to the Engineer-in-Charge.

16. Sales-tax, purchase tax, turnover tax or any other tax on material in respect of this contract shall be payable by the contractor and Government will not entertain any claim whatsoever in respect of the same.
17. The contractor shall give a list of both gazetted and non-gazetted C.P.W.D.&NIRD employees related to him.
18. The tender for the work shall not be witnessed by a contractor or contractors who himself/themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe this condition would render, tenders of the contractors tendering, as well as witnessing the tender, liable to summary rejection.
19. The tender for composite work includes in addition to building work all other works such as sanitary and water supply installations drainage installation, electrical work, horticulture work, roads and paths etc. The tenderer apart from being a registered contractor [B & R] of appropriate class, must associate himself with agencies of appropriate class which are eligible to tender for sanitary and water supply drainage, electrical and horticulture works in the composite tender.
20. The contractor shall submit list of works, which are in hand [progress] in the following form :-

Name of work	Name & particulars of Division where work is being executed	Value of work	Position of works in progress	Remarks
1	2	3	4	5

21. The contractor shall comply with the provisions of the Apprentices Act 1961, and the rules and orders issued there under from time to time. If he fails to do so, his failure will be a breach of the contract and the Superintending Engineer/Executive Engineer may in his discretion without prejudice to any other right for remedy available in law cancel the contract. The contractor shall also be liable for any pecuniary liability arising on account of any violation by him of the provisions of the said Act.

Contractor

Executive Engineer

CPWD – 7.

National Institute of Rural Development and Panchayati Raj

State: Telangana

Division: CMU, NIRDPR

Percentage Tender & Contract for the work

Tender for the work of: Renovation and Roof Treatment in H-3 Quarter including
Internal and external painting and laying of vitrified tiles in
Ground Floor and internal electrification @ NIRD&PR
Campus

PART-A

To be submitted by **3.00 PM.** on **28-12-2020** to The Executive Engineer, Maintenance Unit
NIRDPR, Hyderabad.

- i) To be opened in presence of tenderers who may be present at **3:00
PM** on **date 29-12-2020** in the office of the Executive Engineer,
CMU, NIRD, Hyderabad..

Issued to _____
(Contractor)

Signature of the issuing authority

**Executive Engineer
CMU,NIRDPR
Hyderabad.**

Date of issue:

Contractor

Executive Engineer

T E N D E R

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, and E & F. Specifications applicable, Drawings & Designs, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the Director General ,NIRD within the time specified in Schedule „F“, viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

We agree to keep the tender open for Sixty (60) days from the due date of submission thereof and not to make any modifications in its terms and conditions.

A sum of **Rs.19,100/-** demand draft of a scheduled bank as Earnest Money Deposit. If I / we fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the said Director General ,NIRDPR or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further if I/ we fail commence work as specified, I/we agree that the Director General , NIRD or his successor in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in Schedule „F“ and those in excess of that limit at the rates to be determined in accordance with the provision contained in Clause 12.2 and 12.3 of the tender form.

I/We hereby declare that I/we shall treat the tender documents drawings and other records connected with the work as secret/confidential documents and shall not communicate information/derived there from to any person other than a person to whom I/we am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the state.

Dated:

Signature of Contractor

Postal Address

Witness:

Address:

Occupation:

Contractor

Executive Engineer

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the Director General, NIRDPR for a sum of Rs.

_____ (Rupees _____)

The letters referred to below shall form part of this contract Agreement: -

i)

ii)

For & on behalf of DG, NIRDPR.

Signature

Designation.....

Dated

Reference to General Conditions of contract.

Name of work: Renovation and Roof Treatment in H-3 Quarter including
Internal and external painting and laying of vitrified tiles in
Ground Floor and internal electrification @ NIRD&PR
Campus

PART-A

Estimated cost put to tender

Rs,9,53,576/-

Earnest money:	Rs. 19,100/-
Performance Guarantee:-	5% of Tendered value
Security	
Deposit:	5% of Tendered value.
General Rules and Directions:	
Officer inviting tender:	E.E., CMU, NIRDPR, Hyderabad.
Definitions:	

Schedules

Schedule 'A'

Schedule of quantities (Enclosed)

Schedule 'B'

Schedule of materials to be issued to the contractor:

Sl. no	Description Of Item	Quantity	Rates in figures words at Which the material will be Charged to the contractor	Place Of Issue
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N I L. All materials Shall be arranged by the contractor in accordance with the special conditions.

**Executive Engineer
CMU,NIRDPR
Hyderabad**

Schedule 'C'

Tools and plants to be hired to the contractor

Sl.no.	Description	Hire charges per day	Place of Issue
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N I L.

Schedule 'D'

Extra schedule for specific requirements/documents for the work, if any : NIL

Schedule 'E'

CLAUSE 10 CC : **Not Applicable.**

Schedule 'F'

Reference to General Conditions of contract.

Name of work: Renovation and Roof Treatment in H-3 Quarter including Internal and external painting and laying of vitrified tiles in Ground Floor and internal electrification @ NIRD&PR Campus

PART-A

ECPT : -----

Earnest money: -----

Performance Guarantee: 5% of tendered value

Security Deposit: 5% of tendered value.

General Rules and Directions:

Officer inviting tender: E.E., CMU,NIRD&PR, Hyderabad.

Definitions:

2 (v)	Engineer-in-Charge	Executive Engineer CMU, NIRD&PR., Hyderabad.
2 (viii)	Accepting Authority	Executive Engineer CMU.,NIRDPR, Hyderabad
2 (x)	Percentage on cost of materials and labour to cover all overheads and profits.	15%

Corrections

Interpolations

Over writing

E.E

2 (xi)	Standard Schedule of Rates:	Delhi Schedule of Rates 2014 with up to date Correction slips
2 (xii)	Department:	NIRDPR
9 (ii)	Standard CPWD contract Form:	CPWD form 8 (2005) as notified & corrected up to Date
Clause 1	i) Time allowed for submission of performance guarantee from the date of issue of letter of acceptance, in days	7 days
	ii) Maximum allowable extension beyond the period in i) above, in days	7 Days
Clause 2	(i) Authority for fixing Compensation under clause 2	Technical Committee , NIRDPR. Hyderabad.
Clause 2 A	Whether the clause 2 A shall be applicable	No
Clause 5	No of days from the date of issue of tender acceptance for reckoning the date of start.	10 days
	(ii) Mile stone(s)	As per the table given below.

Table of Mile stone(s)

Sl. no.	Financial Progress	Time allowed (from date of	Amount to be with-held in case of non achievement of mile stone
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		start)	
1	1/8 th (of the whole work)	¼ th (of the whole work)	In the event of not-achieving the necessary progress as assessed from the running payment, 1% of the tendered value of work will be withheld for failure of each milestone.
2	3/8 th (of the whole work)	½ th (of the whole work)	
3	¾ th (of the whole work)	¾ th (of the whole work)	
4	Full	Full	

Time allowed for execution of work:

**90
days**

Authority to give fair and reasonable
Extensions of time for completion of work

Executive Engineer, **CMU**., NIRD&PR.,
Hyderabad

Clause 7 Gross work to be done together with net
payment / adjustment of advances
for material collected, if
any, since the last such payment for
being eligible to interim payment

Corrections

Interpolations

Over
writing

E.E

Clause 11	Specifications to be followed for execution of work	C.P.W.D. Specifications 1996, Vol-I to VI with up to date correction slips, Revised specification. 2002 for RCC and cement mortar and relevant
		I.S.Codes and enclosed Specifications.
Clause 12	Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3.	See below.
12.2 & 12.3	Deviation Limit beyond which Clauses 12.2 & 12.3 shall apply for building works	30%
12.5	Deviation Limit beyond which Clauses 12.2 & 12.3 shall apply for foundation work	100%
Clause 16	Competent Authority for deciding Reduced rates.	EXECUTIVE ENGINEER CMU, NIRD&PR.
Clause 36 (i)	Minimum Qualifications & experience required for Principal Technical representative.	Diploma in Civil Engineering.
	ii) Discipline to which the Principal Technical Representative should belong	Bachelor of Civil Engineering
	iii) Minimum experience of works.	02 years
	iv) Recovery to be effected from the Contractor in the event of not fulfilling provision of clause 36(i)	Rs. 18,000/- p.m.

Clause 42	i)	Schedule/statement for determining theoretical quantity of cement & bitumen on the basis of Delhi Schedule of Rates 2002 printed by C.P.W.D.	-----
	ii)	Variations permissible on theoretical quantities.	-----
	a)	Cement: For works with estimated cost put to tender not more than Rs.5 Lakhs	3% (Plus / minus) 2% (Plus / minus)
		For works with estimated cost put to tender more than Rs.5 Lakhs	
			Corrections Interpolations Over writing E.E
	b)	Bitumen for all works	2.5 % plus only and nil on minus side.
	c)	Steel Reinforcement and structural steel Sections for each diameter, section and Category.	2% (Plus / minus)
	d)	All other materials	Nil

Recovery rate for quantities beyond permissible variation:

Sl.No	Description of item	Rates in figures and words at which recovery shall be made from the contractor.	
		Excess beyond permissible variation.	Less use beyond the permissible variation
1	Cement (43 grade OPC ISI marked)	NA	As per DSR 2018
2	Steel reinforcement (TMT bars)	NA	As per DSR 2018
		Corrections Interpolations Over writing E.E	

Conditions for Cement :

1. The contractor shall procure 43 grade (confirming to IS8112) ordinary Portland cement as required in the work from reputed manufacturers of cement having production capacity of one million tone per annum or more such as ACC, L&T, J.P.Rowa, Vikram Shree cement, Birla jute and Cement Corporation India etc, i.e agencies approved by the ministry of Industry, and holding license to use ISI certification mark for their product. The tenderers a my also submit a list of names of cement manufacturers which they propose to use in the work. The tender accepting authority reserves right to accept or reject name(s) of cement manufacture(s) which the tenderer proposes to use in the work. No change in the tendered rates will be accepted if the tender accepting authority does not accept the list of cement manufacturers, given by the tenderer, fully or partially. Supply of cement shall betaken 50 Kg bags bearing manufacturers name and IS marking Samples of cement arranged by the contractor shall be taken by the Engineer – in Charge and got tested in accordance with provisions of relevant BIS Codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS Code, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week"s time of written order from the Engineer-in-Charge, to do so.
2. The cement shall be brought at site in bulk supply of approximately 10 tones or as decided by the Engineer in Charge.
3. The cement godown of the capacity to store in a minimum of 600 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provision shall be made, to the door of cement godown. The keys of one lock shall remain with the Engineer-in Charge or his authorized representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at anytime.
4. The contractor shall supply free of charge the cement required for testing. The cost of test will be borne by the contractor/Department in the manner indicated below.
 - (i) By the contractor if the result shows that the cement does not conform to relevant BIS code.
 - (ii) By the Department if the results show that the cement confirms to relevant BIS Code.
5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid there in.
6. Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-Charge.

Conditions for Steel:

1. The contractor shall procure steel reinforcement bars conforming to relevant BIS codes from main producers such as VSP SAIL TATA as approved by the Ministry of Steel. The contractor shall have to obtain and furnish test certificates to the Engineer- in-Charge I respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel

arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer-in-Charge

2. The steel reinforcement shall be brought to the site in bulk supply of 10 tones or more or as decided by the Engineer-in-Charge.
3. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent distortion & corrosion and nothing extra shall be paid on this account. Bars of different sizes and length shall be stored separately to facilitate easy counting and checking.
4. For checking nominal mass tensile strength bend test, re bend test etc., specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than specified below.

Size of bar	For consignment below 300 tones.	For consignment over 300 tones.
Under 10mm dia	One sample for each 25 tones or Part thereof.	one sample for each 40 tones or Part thereof
10 to 16 mm dia	One sample for each 35 tones or Part thereof.	one sample for each 45tonnes or Part thereof.
Over 16mm dia	One sample for each 45 tones or Part thereof.	one sample for each 50 tones or Part thereof.

5. The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor/Department in the manner indicated below :
By the contractor, if the results show that the steel does not conform to relevant BIS codes.

By the Department, if the results show that the steel conforms to relevant BIS codes.

6. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.
7. Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

SPECIAL CONDITIONS:

1. Unless otherwise provided in the Schedule of Quantities of CPWD Specifications the rates tendered by the Contractor shall be inclusive and shall apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account.
2. The contractors shall make their own arrangements for obtaining electric connections if required and make necessary payments directly to the department concerned.
3. Other agencies doing works related with this project may also simultaneously execute their works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc., for laying/burying in the work pipes, cables, conduits, clamps, boxes, and hooks for fan clamps etc., as may be required for other agencies. Conduits for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreements rates shall be paid for the same.
4. Some restrictions may be imposed by the security staff etc., on the working and for movement of labour, materials etc., The contractor shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account.
5.
 - a) The work shall be carried out in a manner complying in all respects with the requirements of relevant by laws of the local body under the jurisdiction of which the work is to be executed and/or as directed by the Engineer –in-Charge. And nothing extra will be paid on this account.
 - b) If as per municipal rules the huts for labour are not to be erected at the site of work by the contractors. The contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.
 - c) The contractor shall comply with proper legal orders and directions of local or public authority or municipality and abide by their rules and regulations and pay all fees and charges, which he may be liable to pay

6. Mines & Quarries recovery of seignior-age charges from the bills of the contractors royalty at the prevalent rates shall be deducted from the bills of the contractor on the material (where royalty is payable on materials like boulders, sand etc.) as per Govt of A.P. G.O. No. 217 dated 29/09/2004 (Copy enclosed) if the contractor fails to produce the documentary evidence having paid the seignior-age charges to the government. The quoted rate of the contractor shall be inclusive of all such royalty and taxes etc. and nothing extra shall be payable on this account.
- 7) The Contractor will have to work according to the program for work approved by the Engineer-in-Charge. The contractor shall construct a sample unit wherever applicable complete in all respect within time specified by the Engineer-in-Charge.
- 8) The contractor shall take instructions from the Engineer-in-Charge for stacking of material in any place. No excavated earth or building material shall be stacked on areas where other buildings roads, services or compound walls are to be constructed.
- 9) Cement godown shall be provided with a single door with two locks. The keys of one locks shall remain with Engineer-in-Charge of work or his authorized representative and that of the other lock with the authorized agent of the contractor at the site of work so that the cement is removed from the godown according to the daily requirement with the knowledge of both the parties and proper account maintained in standard proforma.
- 10) The contractor shall be fully responsible for the safe custody of the materials issued to him even if the materials are under double lock system.
- 11) The contractor shall construct suitable godowns yards at the site of work for storing all other materials so as to be safe against damage by sun, rain, fire, theft etc., at his own cost and also employ necessary watch and ward establishments for the purpose at his cost.
- 12) The steel doors windows, ventilators and composite units shall be got fabricated in works shop duly approved by the Engineer-in-Charge.
- 13) The proof of execution certificate should be signed/countersigned by an officer not below the rank of Executive Engineer. The tender should be able to arrange steel centering and shuttering with steel propping for an area of up to 800 Sqm at a time for concrete work.
- 14) The contractor has to submit bar chart for the execution of the work duly signed by the contractor so as to complete the work stipulated time period.
- 15) Intending tenderers are advised to visit the site and get acquainted with site conditions before tendering.
- 16) Any delay / failure on the part of the tenderer to arrange for men and materials at required time shall not be considered as valid hindrance.
- 17) The contractor has to furnish monthly progress report indicating both physical and financial status of the work.
- 18) Water charges: Clause 31 A of P W D - 8 for unfiltered water supply is not applicable since the contractor has to arrange water for construction purposes and this water shall be tested from a recognized laboratory periodically as directed by the Engineer-in-Charge. Testing charges will be borne by the contractor.
- 19) The contractor shall supply free of charge the steel required for testing. The cost of test shall be borne by the contractor /Department in the manner indicated below:
 - (i) By the contractor if the results show that the steel does not conform to relevant BIS codes.

- (ii) By the Department if the results show that the steel conforms to relevant BIS codes

20) The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed in clause 42 of the contract and shall be governed by conditions laid therein.

21) Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-Charge.

22) The contractor shall furnish to the Department all the purchase invoices both for cement and steel for every consignment.

23) Weight being calculated with the help of table-IV in Para 5.3.3. Of CPWD specifications 1996 however for bars M S /cold twisted up to and including 10 mm the following procedure shall be adopted. The average sectional weight for each diameter shall be arrived at from samples for each lot of steel received at site. The actual weight of steel issued shall be modified to take into account the variation between the actual and the standard co-efficient given in table IV and the contractors accounts will be debited by the cost modified quantity only. The decision to be followed for determining the average sectional weight of each lot Quantity of each diameter of steel received at site of work each lot. Quantity of each diameter of steel received at site if work each day will constitute one single lot for this purpose.

24) All materials obtained from Government stores or otherwise shall be got checked by the Junior Engineer in-Charge of the works on receipt of the same at site before use.

25) The contractor should also dismantle the entire structure along with the foundations of the existing buildings and refill with earth in the dismantled foundations wherever necessary. The contractor should not use any serviceable /unserviceable materials obtained from the dismantlement in the construction of new buildings.

26) The contractor should use factory made round type cover blocks for all R C C works to avoid displacement of bars in any directions and to ensure proper cover.

27) Sometimes it shall not be possible to pay monthly bills on account of non-availability of LOC/Budget/Deposit. No claim shall be entertained for slow progress stoppage of work on this account.

28) Materials having BIS marking shall be used on work. In case any materials where the BIS marking is not available such materials should be got from the firms approved by the Chief Engineer (SZ) II Where no such approval exists then the shall be got approved from the Engineer in charge. The materials procured without such approval will not be allowed for use in the work.

29) All aluminium extruded doors and windows shall be manufactured from standard extruded aluminium section manufactured by JINDAL INDAL or the firms approved by CE SZII.

30) Terrazzo tiles to be used shall be got from firm as approved by the CE SZII.

31) Before use in work samples of granite and marble slabs, shade of laminated particleboards and samples of manufactured items/fittings have to be got approved from the Engineer in charge.

32) Steel windows shall be manufactured in the workshop duly approved by CE SZII from standard sections having BIS marking from approved manufacturers like Sen Harvicks/Metal Window Corporation/Madhu Industries or from the firms approved by the EE., Maintenance Unit- - NIRD., Rajendranagar, Hyderabad.

GOVERNMENT OF
TELANGANA ABSTRACT

Mines and Minerals – Revision of Rates of Seignorage Fee and Dead Rent - Orders
– Issued.

INDUSTRIES

AND COMMERCE (MINES.I) DEPARTMENT

G.O.MS.No. 67

Dated: 26/09/2015
Read the following

- 1) G.O.Ms.No.198, Industries & Commerce (M.I) Dept., dt:13.08.2009 2)
Government Memo No.418/M.I(1)/2015,dated:08.07.2015.
3) From the Director of Mines and Geology, Hyderabad Letter
No.3305/MR/2014, dated:08.07.2015.

ORDER:

The following notification will be published in the Extra-Ordinary Issue of the
Telangana Gazettee dated:the 26th September, 2015.

NOTIFICATION

In exercise of the powers conferred by Section Sub-Section (1) of 15 of the Mines
& Minerals (Development & Regulation) At, 1957 (Central Act No.67 of 1957), the
Government of Telangana hereby issue the following amendments to the
A.P. Minor Mineral Concession Rules, 1966 issued in G.O.Ms.No.1172, Industries &
Commerce (Mines-I) Department, dated:04-09-1967 and as amended subsequently from
time to time and as adapted vide G.O.Ms.No.55, Industries & Commerce (Mines.I)
Department, dated:26.08.2015 as A.P. Minor Mineral Concession Rules, 1966
(Telangana Adaptation) order, 2015.

AMENDMENTS

In the said rules, under rule 10 for Schedules I and II the following shall be
substituted, namely:

SCHEDULE-I

RATES OF SEIGNIORAGE FEE

Sl. No.	Name of the Minor Mineral	Unit	Rate of Seigniorage fee (In Rupees)
1	Building Stone, Rough Stone/ Boulders, Road Metal and Ballast	M3/MT	75/50
2	Dimensional Stone used for Kerbs & Cubes	MT	100/MT
3	Lime Kankar/ Limestone	MT	The rate of royalty as applicable to Limestone (other than LD Grade) in respect of major Minerals as per the 2 nd Schedule of the Mines & Minerals (D&R) Act, 1957.
4	Marble	M3/MT	32 250/100
5	Mosaic chips	MT	45
6	Morrum/Gravel & Ordinary Earth	M3/MT	30/20
7	Ordinary Sand	M3/MT	40/27
8	Shingle	M3/MT	25/17
9	Chalcedony Pebbles	M3/MT	75/50
10	Fullers Earth/ Bentonite	MT	150
11	Shale/Slate	MT	150
12	Rehmatti	MT	25
13	Limestone slabs	M2/MT	8/100

14	Brick Earth used in the manufacture of Bricks including Mangalore Tiles.	-	Rs.6000/- per kiln per annum	
15	Granite useful for cutting and polishing	Gangsaw above 270 x above 150	Below 270 X below 150	Equal and below 70
a	Black Granite	3000	2300	1200
b	Colour Granite	2300	2000	1000

The rates shown at Sl.No.15 shall come into force w.e.f., two years from the date of this G.O. until then the rates ordered in G.O.Ms.No.198, Industries & Commerce (M.I) Dept., dt:13.08.2009 shall continue to be inforce.

SCHEDULE-II

Rates of Dead Rent

Sl. No.	Name of the mineral	Rate of Dead Rent per hectare per Annuam (in Rs.)
1	Black Granite	1,00,000
2	Colour Granite	80,000
3	Limestone other than classified as Major Minerals used for Lime burning or building construction purposes, Marble, Boulders, Building Stone including Stone used for Road Metal, Fullers Earth, Ballast Concrete and other Constructions purposes, Slate and Pyllites.	50,000
4	Gravel Morrum, Shingle, Limestone Slabs, used for Flooring purposes, Chalcedony Pebbles used in the building purposes, Limeshell for burning used for building purposes and Rehmatti.	40,000

2. The rate of royalty revised by Government of India with effect from 01.09.2014 in respect of (31) Major Minerals now declared as Minor Minerals and transferred to the State Government in the extra-ordinary issue of the Gazette Government of India Notification No.423(E) dated:10.02.2015 shall be continued, until further orders.

3. This order issues with the concurrence of Finance Department vide their U.O.No.11350/292/EBS-VII/I&C/2015, dated:18-09-2015.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF TELANGANA)

ARVIND KUMAR SECRETARY TO GOVERNMENT &
CIP

To,
The Commissioner of Printing, Stationary & Stores Purchase (Ptg. Wing) Hyderabad. (He is requested to publish the above Notification in the Extra-Ordinary issue of Telangana Gazette, and arrange to send 1000 copies of the same to Government in Industries & Commerce (M.I) Department).

The Director of Mines and Geology, Telangana State, Hyderabad The Vice
Chairman & Managing Director, Telangana State Mineral
Development Corporation Ltd., Hyderabad.

All the Joint Director/Deputy Director/Assistant Directors of Mines and Geology

through the Director of Mines and Geology, Hyderabad

Copy to:

The Secretary to Government, Ministry of Mines, GoI The Law (A) Department.

The Finance Department.

The Industries and Commerce (Mines.II) Department. The P.S. to Hon'ble Minister for Mines and Geology.

The P.S. to Secretary to Government & CIP, Ind. & Com. Dept., SF/Sc.(C.No.418/M.I(1)/2015)

//Forwarded::By order//

SECTION OFFICER

Form Of Performance Security Bank Guarantee Bond

In consideration of the Director General ,NIRD(hereinafter called "The Government") having agreed under the terms and conditions of agreement No._____Dated._____made between_____and _____(hereinafter called "the said contractor(s)") for the work

_____ (herein after called "the said Agreement") having agreed to production of a irrevocable Bank Guarantee for Rs._____
(Rupees_____

_____only) as security/guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement,

We,_____hereinafter referred to as "the Bank") (Indicate the name of the Bank)

hereby undertake to pay to the Government an amount not exceeding Rs._____

(Rupees_____Only) on demand by the Government.

2. We_____do hereby undertake to pay the amounts
(Indicate the name of the Bank)

due and payable under this Guarantee without any demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs._____(Rupees_____only).

3. We, the said Bank further undertake to pay to the Government any money so demanded notwithstanding my dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be valid discharge of our liability for payment there under and the contractor(s) shall

have no claim against us for making such payment.

4. We_____further agree that the guarantee herein
(Indicate the name of the Bank)

contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the government certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

5. We _____ further agree
with the Government
(Indicate the name of the Bank)

that the Government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) and to for-bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said

contractor(s) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We _____ lastly
undertake not
to revoke this
(Indicate the name of the Bank)
guarantee except with the previous consent of the Government in writing.

8. This guarantee shall be valid up to _____ unless extended on demand by Government. Notwithstanding any mentioned above, our liability against this guarantee is restricted to

Rs. _____ (Rupees _____)

_____ only) and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the _____ day of _____
for _____ (Indicate the name of the
Bank)

Contractor

Executive Engineer

GENERAL TERMS AND CONDITIONS:

1. The work in general shall confirm to CPWD specifications Vol.-I, Vol.-VI/ electrical specifications with up to date correction slips and as directed by the Engineer-in-charge.
2. The rate shall be mentioned both in figures and words, the rates mentioned in words will be taken as correct rates.
3. The rates are net and inclusive of all taxes transport royalty, GST., octroi etc., and nothing extra to be paid on any account.
4. No T & P will be issued by NIRDPR.
5. A variation of 10% is allowed in quantities for all the times.
6. The contractor should make his own arrangements for all the materials including cement, steel etc., and shall be kept under the control of the Executive Engineer, NIRD., ISI., approved products only shall be used.
7. The water is to be arranged by the contractor at his own cost, if any time the water is supplied by NIRD a deduction of 1% of the bill amount will be deducted from the bill.
8. The payment will be made as per actual measurements.
9. Any damage to the adjacent structure shall be made good by the contractor at his own cost.
10. The right to reject any or all the tenders reserve with the EE NIRD.
11. The contractor shall clear the site properly after completion of the work.
12. The income tax and other statutory recoveries will be recovered from the gross amount of the bills as per rules.
13. The time limit for the completion of the work is as mentioned in tender notice and any delay beyond the stipulated time period compensation will be levied from the contractor as per CPWD rules.
14. No labour will be allowed to stay in the campus in nights however the chowkidar who looks after the materials of the contractor will be allowed to stay.
15. The contractor should procure cement (OPC) from the reputed companies such as CORAMANDEL, KCP., ACC., AMBUJA, ULTRA TEK etc., as directed by Engineer-in-charge.
16. The contractor should procure steel from the reputed firms.
17. The contractor has to submit the GST Registration certificate before recording Running Account bill.

Contractor

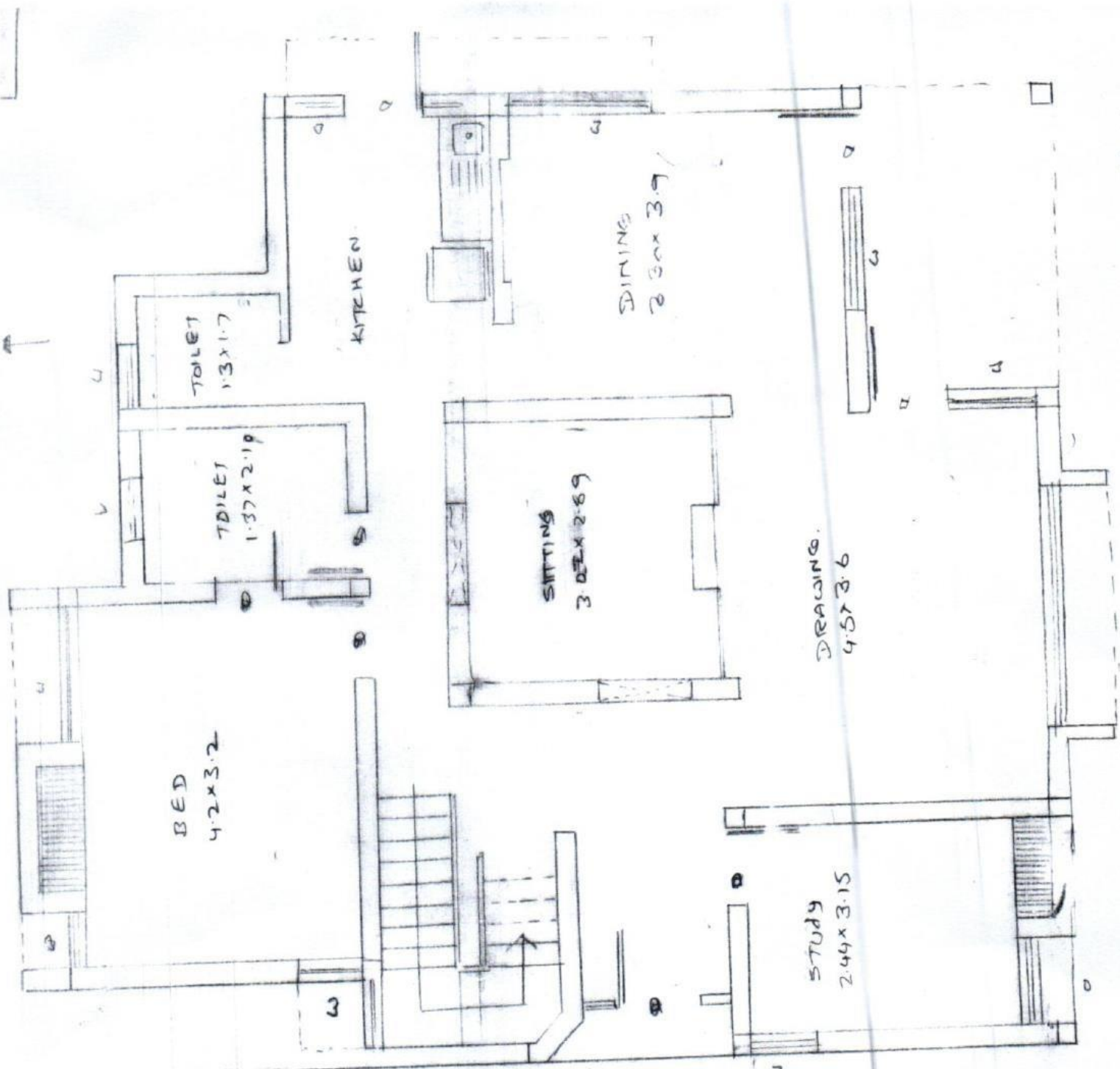
EXECUTIVE ENGINEER

LIST OF ACCEPTED MAKES FOR ELECTRICAL WORKS AS PER CPWD

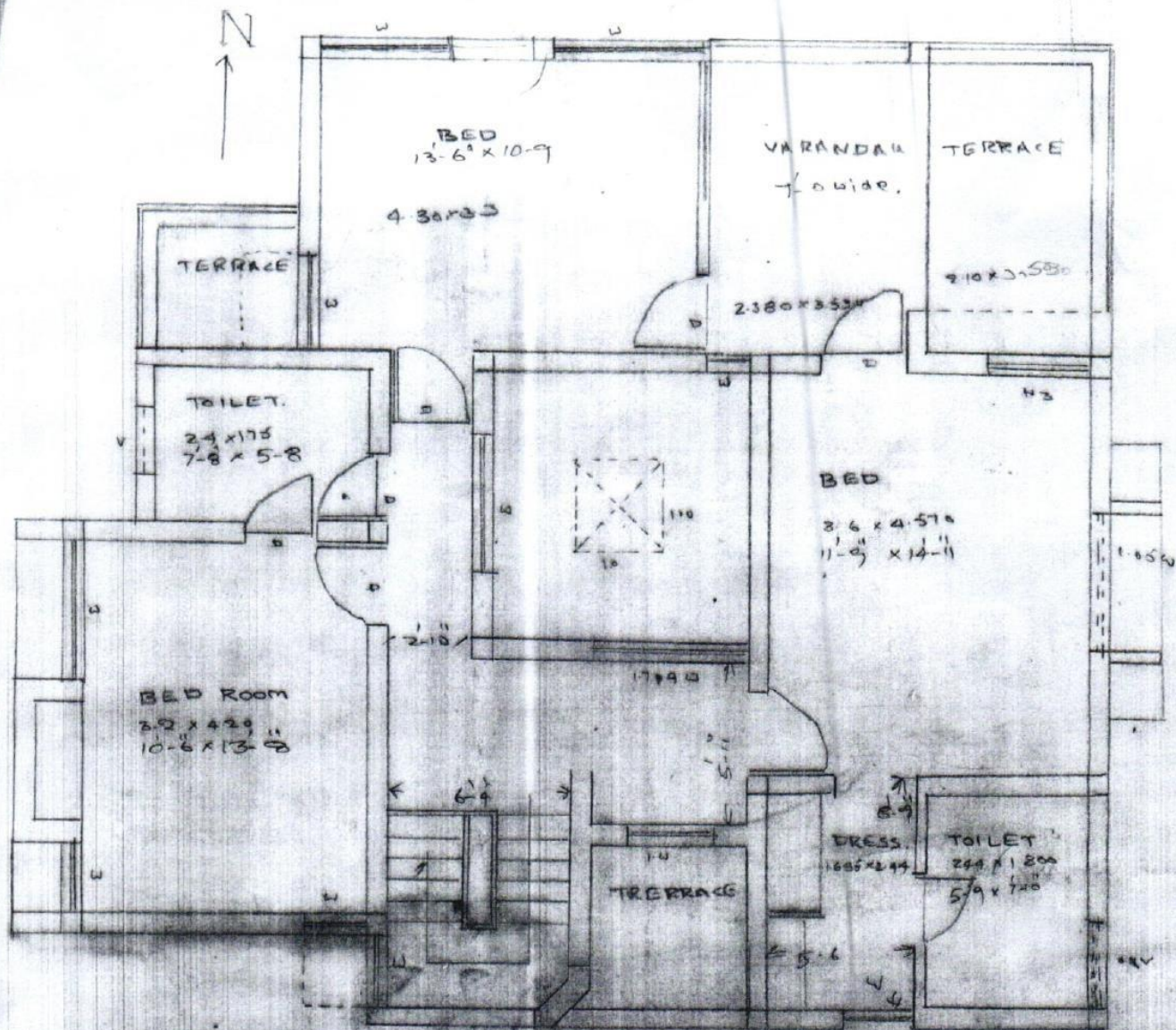
Sl	Description of item	Preferred makes
1	PVC insulated copper conductor SC FRLS & F.R/ WP copper conductor service cables (ISI marked)/ Submersible cables	Finolex, standard, Anchor, Havells, power flex
2	PVC conduits (ISI marked)	Avon plast, diamond, Sudhakar
3	PVC mini trunking	Legrand, MK
4	MCB (ISI Marked)/ RCCB (ISI Marked)/ MCB blanking plates	Schneider, Legrand, GE
5	MCBDB, Indl.Socket outlets isolator	Schneider, Legrand, GE
6	MCCB	GE, Legrand, Schneider
7	Piano type (ISI marked), switches & sockets/ call bell/ buzzer	Anchor, Leader
8	Modular type: Switches, sockets, boxes, plates/ sheets/ fan regulators step type, telephone/ cable socket, TV socket, LAN socket, accessories	Anchor Roma, MK, Toyamma
9	UG cables	RPG, Gloster, Universal, Havells CCI, polycab
10	Ceiling Rose (ISI marked)	Antex, Emperor, Anchor leader
11	Phenolic laminated sheet (ISI marked)	Hylam, Formica
12	GI pipe (ISI marked)	Zenith, Jindal, tata, SuryaPrakash
13	Geysers/ Storage water heater	Crompton, USha, Bajaj, Racold
14	PVC cable management system	MK, Legrand
15	SDFU	LL&T, GE, Siemens
16	PVC insulated copper conductor, telephone Cable, FRLS & FR (ISI marked)	Finolex, Standard, Anchor, L&T, Havells, Gloster, Power Flex, Delton
17	Wall bracket fan	Almonard, Crompton
18	Fresh Air fan/ Exhaust fan	Almonard, Crompton, USHA
19	CFL fitting/ bulk head luminaires/ T-5. MH/ MPSV luminaires	Phillips, Crompton, bajaj
20	Steel conduits	Gupta, Bharat

21	CFL lamps/ HPSV lamps/ T5 lamps/ MH lamps	Phillips, Crompton, Bajaj, Osram
22	Brass batten holders	Kinjal, Antex
23	Digital-meters	Conzerv, Meco, HPL, L&T (Rishab)
24	CT's	AE, Kappa, IMP
25	Phase indicating lamps	Vaishno, Kaycee
26	HRC fuses	L&T, GE, Siemens
27	The model & make of the following items shall be as under	
27.1	Item no: 2.1 of SH II	Model CR 1075-111 of Pasolite make
27.2	Item no: 2.2 of SH II	Model CR 1076-211 of Pasolite make
27.3	Item no: 4 of SH II	Model CL 3417-218 of Pasolite make
27.4	Item no: 5 of SH II	Model WLM 759- of Pasolite make
27.5	Item no: 8 of SH II	Model 22025 of Anchor Roma make
27.6	Item no: 2 of SH IV	Model Brisk Air 250 of Crompton Greaves make

Sd/-
Executive Engineer



GROUND FLOOR PLAN OF H3 QUARTER



NOTE ALL DIMENSIONS ARE IN METRES

SCALE 1:100

FIRST FLOOR PLAN OF H3 QUARTER