



**BHARAT HEAVY ELECTRICALS LIMITED
RAMACHANDRAPURAM, HYDERABAD-32
Township Administration Department**

SCHEDULE- A

Tender Notice No:

HY/TA/OT-12/2022-23, Dt: 13.08.2022

PRICE BID

Name of work: Major Civil Repair works for 30 Type-III Qtrs to eligible employees presently residing in Type-II quarters

SL.NO	Description	Quantity	Unit	Rate	Amount
PART-A (CIVIL WORKS)					
1	Earth work in excavation all kinds of soils by mechanical means (Hydraulic excavation) / manual means over areas exceeding 30 cm indepth including disposal of excavated earth, lead up to 50m and all lift, disposed earth to be levelled and neatly dressed for all kinds of soil etc. complete all as directed by Engineer-in-charge.	300.00	One Cum	130.80	39240.00
2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering. All work upto plinth level. 1:4:8 (1 cement 4 fine sand 8 graded granite stone aggregate 40 mm nominal size).	10.00	One Cum	3,593.30	35933.00
3	Fabrication, fixing and erection of M.S Gates / Ladder / Fencing Poles of all sizes including approved locking arrangements, necessary fixing materials, including cost of two coats of synthetic eanamel painting of approved shade and brand over a coat of redoxide primer etc.complete (Structural steel will be issued by BHEL free of cost at stores).	5.00	One MT	66500.00	332500.00
4	Dismantling and disposal up to a distance of 2 kms. Lead , the following including the cost of labour, tools, transport etc. all complete all as directed by Engineer-in-charge.				
	PCC	10.00	One Cum	488.80	4888.00
	Brick work	10.00	One Cum	641.75	6417.50
	RCC	5.00	One Cum	1054.10	5270.50
	CRS	5.00	One Cum	751.20	3756.00
	plastering in walls	1320.00	One Sqm	8.20	10824.00
	Plastering in ceilings	1101.60	One Sqm	8.20	9033.12
	sanitary fittings such as Wash Basins, Water closets, sinks etc.	15.00	Each	50.00	750.00
	G.I pipe 15mm/20mm/25mm dia including specials.	1000.00	One Rmt	44.10	44100.00
	cement flooring	30.00	One Cum	413.65	12409.50
5	Brick work with ground moulded bricks in cement mortar 1:6 (1 cement : 6 coarse sand) including curing, cost of all materials etc complete all as directed by Engineer-in-charge.	20.00	One Cum	3316.55	66331.00

Name of work: Major Civil Repair works for 30 Type-III Qtrs to eligible employees presently residing in Type-II quarters

SL.NO	Description	Quantity	Unit	Rate	Amount
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:5:10 (1 Cement : 5 coarse sand : 10 graded stone aggregate 40mm nominal size of machine crushed) including curing and cost of all materials etc. complete all as directed by engineer-in-charge.	10.00	One Cum	3087.45	30874.50
7	Ellis pattern flooring 20mm thick cement concrete using 1 cement and 3 granite metal stone of chipping of 3 to 10 mm guage including fine finishing, neat thread lining, curing, cost of all materials etc complete.	40.00	One Sqm	140.00	5600.00
8	Supplying and fixing chequerred precast cement concrete tiles of 22 mm thick in footpath & courtyard jointed with neat cement slurry mixed with pigment to match the shades of tiles including rubbing and cleaning etc. complete on 20 mm thick bed of cement mortar 1:4 (1 cement : 4 coarse sand) including cost of all materials all as directed by Engineer-in-charge.	150.00	One Sqm	564.35	84652.50
9	Providing and laying ceramic glazed floor tiles 395 x 395 mm (thickness to be specified by the manufacture) of 1st quality conforming to IS:15622 of approved make in colours such as White, Ivory, Grey, Fume, Red Brown, laid on over a base of cement based high polymer modified quick-set tile adhesive (water based) confirming to IS 15477 using not less than 5 kg adhesive per sqm of tile area , in average 3mm to 10 mm thick and hacking the existing surface including cost of all materials , neat finishing and jointing with coloured cement etc. complete all as directed by Engineer-in-charge.	100.00	One Sqm	741.15	74115.00
10	Supply and fixing 1 st Quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in Skirting, risers of steps and dados over 12mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete all as directed by Engineer-in-Charge.	100.00	One Sqm	724.25	72425.00
11	Supply and fixing of 18mm thick mirror polished machine cut granite slab for kitchen platform of required size black or other approved shade and texture laid over 20 mm thick base cement mortar 1:4 by dismantling existing plaster and joints treated with white cement mixed with matching pigment apoxy touch up including rubbing, curing grinding etc complete as directed by Engineer-in-charge including disposal of debris upto 2 KM lead.	10.00	One Sqm	3083.40	30834.00

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12	Supplying and fixing of Tandur Blue 30mm Thick polished stone slabs for Stair Case and Landing over a base of CM 1:4 including neat finishing and jointing with cement etc complete. The rate shall include removing the existing floor and depositing of the debris to specified areas with in a lead of 2 KM (Stair case step slabs should be round at nosing).	11.00	One Sqm	309.59	3405.49
13 a	Plastering in cement mortar 1:6, 20 mm thick including curing, cost of all materials etc, complete all as directed by Engineer-in-charge	3840.00	One Sqm	156.15	599616.00
b	Plastering in cement mortar 1:6, 12 mm thick for inside wall including curing, cost of all materials etc, complete all as directed by Engineer-in-charge	1500.00	One Sqm	112.50	168750.00
c	Plastering in cement mortar 1:3, 6 mm thick including curing, cost of all materials etc, complete all as directed by Engineer-in-charge.	1100.00	One Sqm	101.00	111100.00
14a	Supply and fixing of PVC Rain Water Pipes including cost of all materials, specials, accessories and clamping with MS clamps at all heights of the building. The Pipe joints are to be sealed with solvent cement and the pipes are to be as per IS 4935-1981 and should withstand for pressure of 4 kgs / sq.cm 100 mm (4") dia. including dismantling and disposal upto 2 KM lead, of the existing AC Pipes.	14.00	One Rmt	206.90	2896.60
b	Manufacture, Supply and Delivery of Unplasticised PVCs Pipes of dia 75MM for potable water supplies conforming to IS : 4985/2000 (3rd revision) with bell ends (Socket) as per specification in light Grey/Natural Ivory Grey/ Any other Color (except White) inclusive of ansportation to the sub-divisional stores anywhere in AP excluding Excise duty and Sales Tax etc.(6Kgs/cm2)	90.00	RM	103.00	9270.00
15	Supply and fixing of commercial type Double leaf / Single leaf Flush shutter 30mm thick of ISI make and approved brand including cost and fixing of fixtures, fittings and furnitures of superior quality etc., complete all as directed by the Engineer-in-charge. Fixtures and fittings shall be of approved brand and each door shall contain 3 Nos. of 100 mm long powder coated MS hinges, 2 Nos. of CP handles of 100 mmm grip size, 2 Nos. of CP Tower Bolts of 150 mm long and 10 mm dia barrel size and 1 No. CP Aldrop of size 300mm x 16mm etc., complete including dismantling and disposal, upto 2 KM lead of existing door Shutter as directed by the Engineer-in-charge.	96.00	One Sqm	1984.80	190540.80
16	Supply and fixing 4 mm thick door skins of approved design and colour as directed by the Engineer-in-charge. The skins are to be fixed on the existing door shutters, & Door frame with required quality of primer coatt etc., complete.	192.00	One Sqm	975.15	187228.80

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17	Providing and fixing factory made UPVC door frame made of UPVC extruded section of size 48 x 40 mm (tolerance ± 1 mm) with wall thickness 2.0mm $\pm$ 0.2 mm , corners of the door frame to be mitred and welded of plastic, galvanized brackets and stainless steel screws. The hinge side vertical of the frames reinforced by galvanized M.S tube of size 19 x 19 mm and 1 mm $\pm$ 0.1 mm wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturers specification and direction of Engineer-in-charge.	150.00	One Rmt	185.15	27772.50
	Providing and fixing 24 mm thick factory made PVC door shutters made of styles and rails of a UPVC hollow section of size 59 x 24 mm and wall thickness 2 mm $\pm$ 0.2 mm with inbuilt edging on both sides. The styles and rails mitred and joined at the corners by means of M.S galvanised/ plastic brackets of size 75 x 220 mm having wall thickness 1.0mm and stainless screws. The styles of the shutter reinforced by inserting galvanised M.S tube of size 20 x 20 mm and 1mm $\pm$ 0.1 mm wall thickness. The lock rail made up of ' H ' section, a UPVC hollow section of size 100 x 24 mm and 2mm $\pm$ 0.2 mm wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S ' U ' cleats . The shutter frames filled with a UPVC multi-chambered single panel of size not less than 620 mm , having over all thickness of 20 mm and 1 mm $\pm$ 0.1 mm wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	60.00	One Sqm	2471.10	148266.00
18	Supplying and fixing weldmesh door partly panelled and partly weldmesh double leaf shutters 30mm thick using medium Indian teakwood and weldmesh of size 75x25 mm, 10x8 guage including supplying and fixing of M.S. fixtures, fittings and furniture of superior quality etc., complete as directed by the Engineer-in-charge including removal and disposal, upto 2 KM lead, of existing shutter.	20.00	One sqm	1628.00	32560.00
19a	Supplying and fixing of seasoned medium Indian teakwood cupboard Frame reapers of size: 75 x 25 mm horizontally on the wall surface by providing wooden pegs and fixing with MS Screw etc. complete including dismantling and disposal, upto 2 KM lead of existing Cupboard frame as directed by the Engineer-in-charge.	300.00	One Rmt	58.50	17550.00
b	Supplying and fixing in position medium Indian teakwood cupboard shutters having frame of size 75 x 25 mm scantling and fixing 3 mm thick plywood sheets on both sides including cost of MS hinges, Nickle coated latches and oxidised aluminium fixtures and furniture of approved quality etc., complete including dismantling and disposal upto 2 KM lead of existing Shutter as directed by the Engineer-in-charge.	30.00	One Sqm	1074.86	32245.80

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SL.NO	Description	Quantity	Unit	Rate	Amount
20	Supplying and fixing of M.S. flymesh of an approved quality to the existing door and window shutters with necessary wooden beeding wherever necessary, including removing and disposing upto 2 KM lead the existing flymesh, cost of all materials etc., complete.	25.00	One Sqm	458.95	11473.75
21	Supplying and fixing of ornamental MS Powder Coated Curtain Rods with End Brackets of approved dia. including Rings and related fittings of Marvel Make as selected by the Engineer-in-charge including removing of existing spoiled pelmets etc., complete as all directed by the Engineer-in-charge.	25.00	One Rmt	324.45	8111.25
22	Supplying and fixing of PVC netlon mesh of approved colour to the existing window mesh shutters with male and female posting arrangements and removing of existing old flymesh etc. complete as directed by the Engineer-in-charge.	60.00	One Rmt	240.00	14400.00
23	Supplying and fixing 3mm thick plain glass of required sizes to Window / Ventilator Shutters including providing medium teak wood beeding, cost of all materials etc complete including removing and disposal, upto 2 KM lead, of existing glass pane as directed by the Engineer-in-charge.	30.00	One Sqm	429.00	12870.00
24	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.	2.00	Sqm	1337.1	2674.20
25	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.11.3.1 40 mm thick with 20 mm nominal size stone aggregate	600.00	Sqm	280.05	168030.00
26	Clearing jungle including uprooting of rank vegetation, grass, brush wood,trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	3000.00	Sqm	4.82	14460.00
27	Vibrated RCC 1:2:4 nominal mix using 20 mm down graded granite metal (60% of 20 mm, 30% of 12mm to 10 mm, 10% of 6 mm to 4.75 mm) for Fencing Poles which shall be of size 0.10 M x 0.10M at Top and 0.15 x 0.15 M at bottom, length varying from 1.80M to 2.40 M including casting, curing, steel shuttering etc complete except cost of steel reinforcement, its fabrication and placing.	2.00	One Cum	4514.05	9028.10

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28	Providing mild steel / torsteel reinforcement including cutting, bending and binding of rods, tying grills, conveyance and placement of reinforcement in position etc complete including cost of steel and binding wire and all handling charges.	1.00	One MT	62250.00	62250.00
29	Demolishing R.C.C. work neatly by diamond cutting by mechanical means including stacking of steel bars and disposal of unserviceable material upto 2 km lead as per direction of Engineer - in- charge	1.00	Cum	10620	10620
	PART-B- WATER SUPPLY AND SANITARY FITTINGS				
30	Supplying & Fixing CI Nahani traps 1st quality ISI marked conforming to IS:1729 - 1979 with C.P. Grating fixing with white cement as per site requirements with standard practice 100 mm dia inlet-75 mm(3") outlet pipe - 4 kgs. All as directed by Engineer-in-charge.	60.00	Each	279.00	16740.00
31	Providing and fixing white vitreous china Orissa pattern W.C pan of size 580 x 440 mm with integral type foot rests with 100 mm sand cast iron P or S trap, 10 litre low level white P.V.C flushing cistern 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 etc. complete all as directed by Engineer-in-charge.Brands-Parryware/Hindware/Cera.	15.00	Each	2964.10	44461.50
32	Providing and fixing white vitreous china pedestal type water closet (European type W.C pan) with ISI white solid seat and lid, 10 litre low level white P.V.C flushing cistern 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 etc. complete all as directed by engineer-in-charge.Brands-Parryware/Hindware/Cera.	4.00	Each	2885.10	11540.40
33	Supply and Fixing Stainless Steel Sink with drain board size 460 x 915 x 178 mm of Superior quantity with CI brackets white CP brass waste coupling of 160 grams weight CP brass chain with plug, CP brass stop cock die cast (300 grams weight) PVC connection, PVC waste pipes of 32 mm dia of required length CP brass trap (350 grams weight) with necessary screws, wooden plugs etc. complete including cutting and making good the walls wherever required etc complete all as directed by Engineer-in-charge.	20.00	Each	6743.55	134871.00

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SL.NO	Description	Quantity	Unit	Rate	Amount
34	Supplying and fixing coloured porcelain wash hand basin with pedestal of approved make, shape and colour class I quality of size 550 x 400 mm (22" x 16") with CI brackets painted white CP brass waste coupling of 160 grams weight CP brass chain with plug, CP brass stop cock die cast (300 grams weight) PVC connection, PVC waste pipe of 32 mm dia of required length, CP brass trap (350 grams weight) with necessary screws, wooden plugs etc, complete including cutting and making good the walls wherever required. Brands Parryware/Hindware/Cera.	18.00	Each	2355.21	42393.71
35	Supply and fixing of superior quality mirror of standard make with fibre glass reinforced plastic frame, plastic sheet back and necessary rubber channel of size 453 x 357 mm. The glass shall be of minimum 4 mm thick belgium processed and copper back etc complete.	20.00	Each	598.30	11966.00
36	Dismantling the existing RCC Tank / Sintex Tank and disposing, upto 2KM lead, and Supply & Fixing of 1000 Lits. Capacity PVC Cylindrical double layered Water Tank Sintex make with all accessories (25mm Ball Cock 1 No., 25 mm Tank Nipples - 3 with Check Nuts, Washers etc.) etc. including labour charges complete as directed by the Engineer-in-charge.	1.00	Each	6100.00	6100.00
37	Dismantling & Fixing of Sintex Tank 1000 Lits. Capacity PVC Cylindrical double layered Water Tank Sintex make with all accessories (25mm Ball Cock 1 No., 25 mm Tank Nipples - 3 with Check Nuts, Washers etc.) etc. including labour charges complete as directed by the Engineer-in-charge. Tank will be supplied from Township store.	20.00	Each	465.71	9314.20
38	Supplying and fixing of GI pipes (Class-A) with all necessary fittings including excavation, making holes, fixing clamps wherever necessary and repairing the holes, refilling the trenches, cost of all materials etc complete as directed for 25 mm dia (1") dia.	150.00	One Rmt	243.15	36472.50
39	Supplying and fixing of GI pipes (Class-A) with all necessary fittings including excavation, making holes, fixing clamps wherever necessary and repairing the holes, refilling the trenches, cost of all materials etc complete as directed for 20 mm dia (3/4") dia.	200.00	One Rmt	188.05	37610.00
40	Supplying and fixing of GI pipes (Class-A) with all necessary fittings including excavation, making holes, fixing clamps wherever necessary and repairing the holes, refilling the trenches, cost of all materials etc complete as directed for 15 mm dia (1/2") dia.	500.00	One Rmt	161.60	80800.00
41	Providing and fixing PTMT stop cock of approved quality and colour.(15MM).Polytuff/Prayag/Jindal	20.00	each	130.10	2602.00
42	Providing and fixing PTMT bib cock of approved quality and colour(15mm).Polytuff/Prayag/Jindal	25.00	each	130.10	3252.50
43	Providing and fixing PTMT pillar cock of approved quality and colour(15mm).Polytuff/Prayag/Jindal	20.00	each	202.25	4045.00

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SL.NO	Description	Quantity	Unit	Rate	Amount
44	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.	30.00	each	65.3	1959.00
45	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour - Waste coupling 31 mm dia of 79 mm length and 62mm breadth weighing not less than 45 gms.	30.00	each	94.35	2830.50
46	Dismantling and replacing with new ones of approved make including cost of all materials etc complete.				
a	CP angular stop cock	20	Each	205.60	4112.00
b	PVC long bend (1 1/4")	30	Each	30.00	900.00
c	CP longbody bibcock (SEIKO DELUXE HD make)	20	Each	430.60	8612.00
d	CP shortbody bibcock (SEIKO DELUXE HD make)	20	Each	397.50	7950.00
e	PTMT Tap	30	Each	130.10	3903.00
f	PVC Shower dia. 15mm	30	Each	112.75	3382.50
g	G.M.Peet Valves 1"	2	Each	646.00	1292.00
h	G.M.Peet Valves 3/4"	2	Each	450.00	900.00
	PVC Coupler 4" dia.	30	Each	130.25	3907.50
	PVC Coupler 3" dia.	30	Each	97.60	2928.00
	Supply & Fixing of PVC / Acrylic Towel Rod 2'	20	Each	375.70	7514.00
	Supply & Fixing WHB PVC / Acrylic Towel Ring.	30	Each	169.85	5095.50
	Supply & Fixing PVC / Acrylic Soap tray	30	Each	151.10	4533.00
47	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps :				
a	100 mm diameter	200	RM	24.40	4880.00
b	150 mm diameter	100	RM	26.95	2695.00
c	200 mm diameter	100	RM	28.70	2870.00
48	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete				
a	100 mm diameter	150	RM	150.10	22515.00
b	150 mm diameter	100	RM	219.05	21905.00
c	200 mm diameter	100	RM	323.05	32305.00
49	Providing and fixing 100 mm sand cast Iron grating for gully trap.	20.00	each	24.60	492.00
50	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :	5.00	each	1,256.35	6281.75

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SL.NO	Description	Quantity	Unit	Rate	Amount
51	Constructing masonry chamber 30x30x50 cm inside with 75 class designation brick work in cement mortar 1:4(1 cement 4 coarse sand) for stop cock with CI surface box 100x100x75mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10(1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and 12mm thick finished with a floating coat of neat cement complete as per standard design.	20.00	each	908.95	18179.00
52	Providing and fixing 100 mm sand cast Iron grating for gully trap.	20.00	each	24.60	492.00
53	Providing and fixing square-mouth S.W. gully trap class SP-1 complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :	5.00	each	1,256.35	6281.75
54	Constructing masonry chamber 30x30x50 cm inside with 75 class designation brick work in cement mortar 1:4(1 cement 4 coarse sand) for stop cock with CI surface box 100x100x75mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement 2 coarse sand 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:5:10(1 cement 5 fine sand 10 graded stone aggregate 40mm nominal size) and 12mm thick finished with a floating coat of neat cement complete as per standard design	5.00	each	908.95	4544.75
PART-C-PAINTING WORKS					
55	White washing with lime to give an even shade : Old work (one or more coats) sqm 4.35	2000	One Sqm	4.35	8700.00
56	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : Old work (one or more coats)	3000.00	One Sqm	23.40	70200.00
57	Painting with synthetic enamel paint of approved brand and manufacture of required colour on wood work to give an even shade One or more coats on old work	200.00	One Sqm	35.20	7040.00
58	Finishing walls with Acrylic Smooth exterior paint of required shade :Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	3000.00	One Sqm	35.20	105600.00
59	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	2000.00	Sq.m	44.95	89900.00
60	Scrapping the existing paint surface, repairing the wall surface by applying wall putty wherever required and supply and application of Two coats of Altek Superfine, One coat of Altek water based cement primer & Two coats of Altek Flora (plastic Emulsion paint) etc.complete ncluding cost of all materials all as directed by engineer-in-charge	1000.00	One Sqm	95.00	95000.00

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SL.NO	Description	Quantity	Unit	Rate	Amount
61	Varnishing with flattening varnish of approved brand and manufacture one or more coats on old work.	80.00	One Sq.m	32.00	2560.00
	PART-D...WATER PROOFING TREATMENT				
62	Supply and laying of APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane. Application Methodology is as follows:• Cleaning of existing surface.• Apply a coat of Shalikote T-30 Primer @ 0.300 Grms / Sqmtr and allow it to dry.• Apply a coat of Bitumen / tar 85/25 is 702 @ 1.2 Kg per Sqmt • On the primed surface start laying of membrane at lowest point of the slope roof and progress to the higher point Unroll the membrane half-way, align the side laps and fix super thermo lay 3 mm (Plain) APP membrane by using a LPG torch and applying uniform pressure with a roller / wet cloth to ensure to remove entrapped air if any.• Flame should be moved in shape of 'L' applying about 75% of the heat to the roll and 25% to the substrate including the lap area of previously installed membrane. The flame should be moved across the width and upto the lap edge while membrane is slowly unroll and adhered to the under lying surface.• Heat both layers of membrane at the overlap and used round tipped hot towel to seal the overlap. Excess compound should be smoothen and pressed into seam using hot trowel. Overlap joint shall be provided of 75 mm in longitudinal direction and 100mm in transverse direction. • Seal the joint with 85/25 grade bitumen/tar. Note: Only APP Membrane will be FREE Issue from BHEL, remaining all other required materials and tools are in contractor scope only.	1800.00	Sqm	109.76	197568.00
	PART-E (FENCING, TREE CUTTING ETC.)				
63	Supply and fixing of G.I.Chain Link Mesh of 25 x 25 mm mesh and 3 mm dia wire including cost of binding wire , labour charges etc., complete all as directed by Engineer-in-charge.	50.00	One Sqm	575.00	28750.00
64	Cutting of Tree branches falling over buildings at more than 6 M height and transporting and stacking within a lead of 3 KMs etc complete all as directed by Engineer-in-charge.				
	Upto 10 to 20 cm girth	30.00	each	34.20	1026.00
	Above 20 cm girth	20.00	each	56.60	1132.00
65	Felling Trees of firth (measured at height of 1 M above the ground level) including cutting of trunks and branches, removing the roots and stacking of serviceable material at BHEL Nursery stock yard including transportation and staking, disposal of unusable material, upto 2 KM lead, etc complete all as directed by Engineer-in-charge.				
	Beyond 30 cm girth upto and including 60 cm girth.	10.00	each	148.20	1482.00
	Beyond 60 cm girth upto and including 120 cm girth.	5.00	each	654.95	3274.75
	Beyond 120 cm girth upto and including 240 cm girth.	3.00	each	3026.30	9078.90

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SL.NO	Description	Quantity	Unit	Rate	Amount
66	Arresting the growth of trees along the walls of the buildings in Township by applying gylcil with ammonia of required quantity till the tree is dried and removing the dried tree along with roots and disposing off, upto 2 KM lead etc complete as directed by Engineer-in-charge.	100.00	each	200.00	20000.00
				TOTAL	3981813.62
Note: All materials are in contractor scope except APP membrane & Sintex tank(Only Item-37)					
Tender % on A					
	In Words			In Figures	
Excess					
Less					
Estimate					
*	The bidders are required to quote the tender value on percentage (%) basis at excess or less or on par with estimated value in figures and words.Bidders are requested to fill only one row.				
1	Risk Purchase : In case the contractor fails to execute the work within the scheduled time or due to any other reasons, BHEL reserves the right to get the same completed through some other party at the risk & cost of the contractor and any additional expenditure incurred due to the same shall be charged to the contractor.				
2	All the materials are in the Contractor Scope Only. BHEL Will not give any FREE Issue Materials. All the materials like Structural Steel / Torsteel / Cement shall be submitted as per Indian Standard and Test Certificate shall be submitted along with materials.				
3	The rates are Excluding taxes.				
4	The maintenance period is 12(Twelve) months . The security deposit will be released after satisfactory completion of the work and after getting I.R clearance and payment of final bill.				
5	Penalty terms: a) In the event of delay in supply of goods and or services beyond contractual delivery date, penalty of 0.5% per week or part there of shall be levied on the gross value of work done subject to a maximum of 10% of the gross value of the total work executed. Penalty amount so determined along with GST if applicable thereon shall be recovered. b) If the agency fails to commence the work within 15 days from the date of LOI, a penalty of 0.5% per week delay, subject to a maximum of 2% of the gross value of work will be applicable. if such delay extends beyond 8 weeks, then BHEL reserves the right to terminate the contract without further notice and to initiate risk purchase clause.				
6	Taxes: Bidders shall quote their Basic price exclusive of taxes. The applicable taxes on supply of material or services, as the case may be viz.GST shall be quoted separately, clearly showing the Service Code/Tariff Head, Rate of Tax and Amount of Tax in the Bid. The reimbursement of taxes to the contractor is contingent upon fulfilment by the contractor of all statutory provisions as stipulated in the relevant taxation statue enabling BHEL to avail the eligible input tax credits. TDS at the rates prescribed under Income Tax Act shall be deducted from the payments due to Contractor and BHEL shall issue the necessary TDS Certificates for such deductions made.				
7	The tender % age quoted by the contractor shall be inclusive of all taxes and duties other than GST as applicable from time to time.				
8	All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL.				
9	The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.				
10	The agency has to pay the minimum wages to workers with statutory payments like ESI, PF etc., is as per BHEL notification and as per NIT. For USW= ₹ 558.00, SSW= ₹ 595.35, SW = ₹ 631.15 + ESI + PF + PPE's and other statutory if any increase in future DA is to be borne by the agency.				

Name of work: Major Civil Repair works for 30 Type-III Qtrts to eligible employees presently residing in Type-II quarters

SL.NO	Description	Quantity	Unit	Rate	Amount
11	The agency has to bring police clearance certificate for the work force.				
12	All the terms and conditions of the contact with respect to taxes & duties are subject to the new taxation laws introduced from time to time (e.g. GST). The terms and conditions will be modified in accordance with the provisions of new laws (e.g. GST).				
13	Payment shall be made stage wise on approval from engineer in charge				
14	Vendor shall raise GST invoice on BHEL Hyd GSTIN.				
15	If BHEL is unable to avail the input tax credit, the same amount shall be recovered from the vendor bills.				
16	Use of stone dust is not permitted in any civil works.				
	GST CLAUSES				
	Following points to be complied with :				
17	In case GST credit is delayed/denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of timeline prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with interest levied/leviable on BHEL.				
18	In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied / leviable on BHEL.				
19	The bidder shall arrange to send to BHEL, Hyderabad along with all the required documents as in Purchase Order, Tax Invoice (Original for Recipient) along with his bills.				
20	Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter /Intra state movement Supply of goods and services or both.				
21	Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.				
22	Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.				
23	Invoice should mention BHEL-HPEP-HYDERABAD GSTIN: 36AAACB4146P1ZG or GSTIN of BHEL Nodal Agency as mentioned in PO.				
24	In case of any short supply of goods or service Vendor has to raise a credit note for short supplied quantity as per GST provisions.				
25	Any GST liability arising on BHEL under reverse charge before actual receipt of goods and or services and/or invoice thereof would be subject to recovery of interest leviable for the period between the date of such liability and actual date of eligibility of ITC based on receipt of goods, receipt of invoices and other conditions specified in GST law, as applicable.				
26	Supplier shall mention their GST registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.				
27	A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.				