

भारतीय गैर न्यायिक INDIA NON JUDICIAL

एक हजार रुपये

रु.1000

ONE THOUSAND RUPEES

Rs.1000

बिहार BIHAR

क्र.सं. 5009 सी. 07.07.18 मुल्य सीट नं. AB 811202
क्रेता का नाम एवं पता... मिशन 17-4 174 21034 21116 नाल 4071

हरबिन्दर पाल सिंह मुन्नाक मिशन
नं-13/2005 समाहरणालय, पटना

Name of Work

AGREEMENT No. 92 SBD of 2018-19.
: "Construction of Girl's Hostel (G+5) & Staff Quarter (G+5) in the Campus of Chandragupta Institute of Management (CIMP), Mithapur, Patna Under Phase - II" in Bihar.

Name of Agency

: Sri Sachchidanand Singh.,

Date of Commencement

: 10-10-2018.

Time of completion

: Fifteen Months

Estimate Cost

: Rs 21,78,55,000/- (Part-A) + Quoted Item Rate Basis By Tenderer (Part-B)

Agreement Value

: Rs. 23,50,47,464/- (Part-A @ 10.00% below BOQ rates & Part-B @ Item rate Basis)

Earnest Money

:

Performance Security

: Rs. 1,21,53,000/- (Details attached)

This agreement, made the 10th October, 2018 between Bihar State Educational Infrastructure Development Corporation Ltd. Patna. Hereinafter called the Employer of the first part and Sri Sachchidanand Singh, Sheikhpura, Patna-800014. hereinafter called "the Contractor of the other part".

Whereas the Employer's is desirous that the Contractor execute "Construction of Girl's Hostel (G+5) & Staff Quarter (G+5) in the Campus of Chandragupta Institute of Management (CIMP), Mithapur, Patna Under Phase - II" in Bihar. hereinafter called "the work" and the Employer has accepted the Bid by the Contractor for the execution of such work and the remedying of any defects therein, at a cost of Rs. 23,50,47,464/- (Rupees Twenty Three Crore Fifty Lacs Forty Seven Thousand Four Hundred Sixty Four Only.)

सि-च-द-सि 17-4 212
10-10-18

Chief Eng neer
B.S.E.I.D.C. Ltd, Patna
Signature

Performance Security

Name of Agency:- "Sri Sachchidanand Singh"

Performance Security of Construction of Girl's Hostel(G+5) & staff Quarter (G+5) in the campus of CIMP, Mithapur, Patna, Phase-II "

<u>NSC/ P.book</u>	<u>DOI</u>	<u>AMOUNT</u>
4082237064	06.07.18	761000.00
4082236678	06.07.18	800000.00
4086893600	12.07.18	475000.00
4086827469	12.07.18	600000.00
4086836355	12.07.18	685000.00
1545330	21.08.14	400000.00
<u>FDR No.</u>	<u>DOI</u>	<u>AMOUNT</u>
163020100096235	10.07.18	2100000.00
163020100096244	10.07.18	2100000.00
163020100084461	23.10.17	600000.00
<u>BG. NO.</u>	<u>Period</u>	
163017IGPER0025	12.06.18 to 06.08.21	3632000.00
Total-		<u>12153000.00</u>

(Rupees One Crore Twenty One Lac Fifty Three Thousand only)

Amit k. Soni 4/10/18
लेखा पदाधिकारी
बिहार राज्य शैक्षणिक आधारभूत संरचना
विकास निगम लि०, पटना

[Signature]
04/10/18

21/24/17-02/18

10/10/18
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
[Signature]



बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लिमिटेड BIHAR STATE EDUCATIONAL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

(A Govt. of Bihar Undertaking)
ISO 9001:14001; OHSAS 18001

Shiksha Bhawan, Bihar Rashtrabhasha Parishad Campus, Acharya Shivpujan Sahay Path, Saidpur, Patna - 800 004
Tel. No. : 0612 - 2660850 • Fax No. : 0612 - 2660256

E-mail : bseidc@gmail.com • Website : http://www.bseidc.in • CIN : U80301BR2010SGC015859

Letter No.:- BSEIDC/FIN/3308/2018-19/- 4204

Patna, Date:-...29.06.18

Letter of Acceptance

To,

Sri Sachchidanand Singh,
Sheikhpura, Patna-800014.

Dear Sir ,

This is to notify that your Bid under NIT-72/17-18 for the work “Construction of Girl’s Hostel (G+5) & Staff Quarter (G+5) in the Campus of Chandragupta Institute of Management (CIMP), Mithapur, Patna Under Phase-II” has been accepted by the Corporation. In the bid, your quoted rate was 10.00% (Ten decimal Zero Zero Percent) below from Estimated rates for Part A i.e. Rs. 19,60,69,500/- and for Part B(Item Rates) of Rs. 4,18,24,828.84 amounting to total bid price (Part A + Part B) of Rs. 23,78,94,328.80 (Rs. Twenty Three Crore Seventy Eight Lacs Ninety Four Thousand Three Hundred Twenty Eight and paise Eighty Only). As per your acceptance letter dated- 21.05.2018, the Corporation has accepted your bid at Part A i.e. Rs. 19,60,69,500/- and for Part B(Item Rates) of Rs. 3,89,77,963.51 amounting to total bid price (Part A + Part B) of Rs. 23,50,47,463.51 (Rs. Twenty Three Crore Fifty Lacs Forty Seven Thousand Four Hundred Sixty Three and paise Fifty One Only).

You are hereby requested to furnish performance security including additional security in the form detailed in I.T.B. para 31.1, 27.4 and clarification issued thereon by RCD, Govt. of Bihar, vide letter no. 3376 (E) dt. 17.08.2010, for an amount equivalent to Rs. 1,20,55,000=00 (Rs. One Crore Twenty Lacs Fifty Five Thousand only) within ten days of receipt of this letter of acceptance valid upto 28 days from the date of expiry of defects liability period and sign the contract, failing which action as stated in Para 31.3 of ITB will be taken.

Yours faithfully

Chief Engineer

Memo no: BSEIDC/FIN/3308/2018-19/- 4204

Date:...29.06.18

Copy forwarded to : Sri Pankaj Kumar Singh, Computer Programmer for uploading on BSEIDC website/ Senior Account Officer, BSEIDC, Patna for information & necessary action.

Chief Engineer

Chief Engineer
B.S.E.I.D.C. Ltd, Patna

Construction of Girls Hostel (G+5) & Staff Quarter (G+5) in the campus of Chandragupta Institute of Management, Mithapur Patna Under Phase-II

It is mandatory to fill and upload Percentage rate (PART-A) and Item rate (PART-B) of the financial bid as per Format given

(PART- A) Scheduled Items

Sl. No.	Item code	Description	Qty.	Unit	Rate	Amount
		PART A (Items on Schedule Rate, for which tenderer have to quote rates on % above/below basis)				
		EARTH WORK				
1	2.3	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m :				
	2.3.1	All Kinds of soil	441.00	cum	159.00	Rupees one hundred fifty nine only.
2	2.6	Earth work in excavation over areas (exceeding 30 cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed.				
	2.6.1	All kinds of soil	3731.00	cum	225.40	Rupees two hundred twenty five & paise forty only.
3	2.26	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth: consolidating each deposited layer by ramming and watering lead	2412.00	cum	74.50	Rupees seventy four & paise fifty only.
4	2.27	Extra for every additional lift of 1.5 m or part thereof in :				
	2.27.1	All kinds of soil.	439.00	cum	29.20	Rupees twenty nine & paise twenty only.
5	2.28	Supplying and Filling in plinth with local sand and under floors including, watering, ramming consolidating and dressing complete.	2614.34	cum	204.40	Rupees two hundred four & paise forty only.
6	2.35	Supplying chemical emulsion in sealed containers including delivery as specified.				

21/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

	2.35.1	Chlorpyriphos/Lindone emulsifiable concentrate of 20%	366.00	litre	195.40	Rupees one hundred ninety five & paise forty only.
7	2.37.3	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling and plugging 12 mm diameter holes with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floor.				
	2.37.3.1	With Chlorpyriphos EC 20% with 1% concentration	986.00	Sqm	186.70	Rupees one hundred eighty six & paise seventy only.
		CONCRETE WORK				
8	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering-all work up to plinth level.				
	4.1.5	1:3:6 (1 Cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	349.00	cum	3174.30	Rupees three thousand one hundred seventy four & paise thirty only.
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, post struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plin window sills, fillets etc. up to floor five level excluding the cost of centring, shuttering and finishing:				
	4.2.3	1:2:4 (1 Cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size)	12.00	cum	4569.00	Rupees four thousand five hundred sixty nine only.
10	4.40	Providing and faying cement concrete in kerbs, steps and the like at or near ground level excluding the cost of centring, shuttering and finishing.				
	4.4.1	1:2:4 (1 Cement :2 coarse sand :4 grade stone aggregate 20 mm nominal size)	30.00	cum	3850.50	Rupees three thousand eight hundred fifty & paise fifty only.
11	4.17	Making plinth protection 50 mm thick of cement concrete 1:3:6 (1 cement: 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth.	420.00	sqm	359.80	Rupees three hundred fifty nine & paise eighty only.

21/2/2018

Chief Engineer
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10/10/18

		REINFORCED CEMENT CONCRETE				
12	5.9	Centring and shuttering including strutting, propping etc. and removal of form for.				
	5.9.1	Foundations, footings, bases of columns etc. for mass concrete.	2607.00	sqm	169.00	Rupees one hundred sixty nine only.
	5.9.2	Walls (any thickness) including attached pilasters. Buttresses, plinth and string courses etc.	833.00	sqm	262.30	Rupees two hundred sixty two & paise thirty only.
	5.9.3	Suspended floors, roots, landings, balconies and access platform.	8089.00	sqm	291.00	Rupees two hundred ninety one only.
	5.9.4	Shelves (Cost in situ)	157.00	sqm	291.00	Rupees two hundred ninety one only.
	5.9.5	Lintels, beams, plinth beams, girders, ressumers and cantilevers.	10031.00	sqm	261.70	Rupees two hundred sixty one & paise seventy only.
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	4736.00	sqm	357.60	Rupees three hundred fifty seven & paise sixty only.
	5.9.7	Stairs, (excluding landings) except spiral staircases.	243.00	sqm	328.90	Rupees three hundred twenty eight & paise ninety only.
13	5.9.15	Small lintels not exceeding 1.5 m clear span, mouldings as in cornices, window sills, string, courses, bands, copings, bed plates, anchor blocks and the like.	1139.00	sqm	183.20	Rupees one hundred eighty three & paise twenty only.
14	5.9.16	Edges of slabs and breaks in floors and walls.				
	5.9.16.1	Under 20 cms wide	2530.00	metre	83.50	Rupees eighty three & paise fifty only.
15	5.9.19	Weather shade, Chajjas, corbels etc. including edges	809.00	sqm	395.60	Rupees three hundred ninety five & paise sixty only.
16	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.7A	Thermo-Mechanically Treated bars TMTC-500- 8mm dia.	132054.47	kg	56.00	Rupees fifty six only.
	5.22.7B	Thermo-Mechanically Treated bars TMTC-500- 10mm dia.	110266.09	kg	54.70	Rupees fifty four & paise seventy only.
	5.22.7C	Thermo-Mechanically Treated bars TMTC-500- 12mm dia.	60145.14	kg	53.40	Rupees fifty three & paise forty only.
	5.22.7D	Thermo-Mechanically Treated bars TMT Fe-500- 16mm dia.	250604.74	kg	54.40	Rupees fifty four & paise forty only.
	5.22.7E/F/G	TMT bars TMT Fe-500-20/25/28/32 mm dia	520088.00	kg	53.60	Rupees fifty three & paise sixty only.
17	5.30	Add for plaster drip course/groove in plastered surface or moulding to R.C.C. projections.	567.00	mtr	20.70	Rupees twenty & paise seventy only.

24/10/18

537/10/10/18
 Chief Engineer
 B.S.E.I.D.C. Ltd, Patna
 10/10/18

18	5.33 :	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centring, shuttering, finishing and including retard setting of concrete, improve workability without impairing strength and admixtures in recommended proportions as per IS: 9103 to accelerate, reinforcement, durability as per direction of Engineer-in-charge. Note:- Cement content considered in this item is @ 330 kg/ cum. Excess or less cement used as per design mix is payable or recoverable separately.				
	5.33.1	All works up to plinth level	1132.59	Cum	4621.50	Rupees four thousand six hundred twenty on & paise fifty only.
	5.33.2	All work above Plinth level upto floor V Level.	3477.00	Cum	5102.30	Rupees five thousand one hundred two & paise thirty only.
19	5.34	Add or deduct for providing richer or leaner mixes respectively at all floor levels.				
	5.34.1	Providing M-30 grade concrete by using 340kg /m3 of Cement per cum of concrete instead of M-25 grade B.M.C./RMC	3774.57	Cum	76.60	Rupees seventy six & paise sixty only.
20	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	3508.53	Qtl	719.30	Rupees seven hundred nineteen & paise thirty only.
		BRICK WORK (A)				
	6.1C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in :				
21	6.1.14.C	Cement mortar 1:6 (1 cement: 6 coarse sand)	2042.00	cum	4706.00	Rupees four thousand seven hundred six only.
22	6.1.12C	Cement mortar 1:6 (1 cement: 6 coarse sand)	960.85	cum	4936.30	Rupees four thousand nine hundred thirty six & paise thirty only.
23	6.3C	Extra for Brick work in superstructure above plinth level up to floor V cum	1988.00	cum	513.30	Rupees five hundred thirteen & paise twenty nine only.
24	6.4C	Extra for brick work in superstructure above floor V level for each four floors or part thereof.	523.46	cum	383.60	Rupees three hundred eighty three & paise sixty only.
25	6.21A	Extra for providing and placing in position 2 Nos, 6 mm dia , MS bars at every third course of half brick masonry (with F. P. S. bricks)	7690.30	sqm	55.40	Rupees fifty five & paise forty only.

20/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

		MARBLE WORK				
26	8.1	Marble work gang saw cut (polished and machine cut) of thickness 18mm for wall lining (veneer work) in cement mortar 1:3 (1 cement :3 coarse sand) including pointing with white cement mortar 1:2(1 white cement:2 marble dust) with an admixture of pigment to match the marble shade:(To be secured to the backing by means of cramps, which shall be paid for separately)				
	8.1.1	White Marble-Raj Nagar Plain/Udaipur green marble/ Zebra block marble				
	8.1.1.2	Area of slab over 0.50 sqm	1671.72	sqm	2337.20	Rupees two thousand three hundred thirty seven & paise twenty only.
27	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations, of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.				
	8.2.2.2	Area of slab over 0.50 sqm	177.00	sqm	3573.70	Rupees three thousand five hundred seventy three & paise seventy only.
28	8.3	Extra for providing edge moulding to 18 mm thick marble stone counters, Vanities etc. over item no. 8.2 including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer - in -charge.				
	8.3.2	Granite work	315.00	metre	182.10	Rupees one hundred eighty two & paise ten only.
29	8.4	Extra for fixing marble /granite stone over and above corresponding basic item, in fascia and drops of width upto 150 mm with epoxy resin based (Araldite or equivalent) adhesive including cleaning etc. complete.	315.00	metre	181.50	Rupees one hundred eighty one & paise fifty only.

26/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

30	8.5	Extra for providing opening of required size & shape for wash basins/kitchen sink in kitchen platform. Vanity counters and similar location in marble/stone work including necessary holes for pillar taps etc. including rubbing and polishing of cut edges etc. complete.	110.00	opening	259.20	Rupees two hundred fifty nine & paise twenty only.
		WOOD WORK				
31	9.21.3	25 mm thick (for cupboard) including ISI marked nickel plated bright finished M.S. piano hinges with necessary screws	642.00	sqm	1381.80	Rupees one thousand three hundred eighty one & paise eighty only.
32	9.24	Extra for providing vision panel not exceeding 0.1 sqm in all type of flush doors (cost of glass excluded)				
	9.24.1	Rectangular or Square	44.20	sqm	140.40	Rupees one hundred forty & paise forty only.
33	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete				
	9.48.1	Fixed to steel windows by welding	16350.00	kg	86.00	Rupees eighty six only
34	9.84	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	188.00	each	1064.70	Rupees one thousand sixty four & paise seventy only.
35	9.96	Providing and fixing aluminium sliding door bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete:				
	9.96.1	300x16 mm	103.00	each	218.70	Rupees two hundred eighteen & paise seventy only.
	9.96.2	250x16 mm	72.00	each	182.00	Rupees one hundred eighty two only.
36	9.97	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with necessary screws etc. complete:				
	9.97.1	300x10 mm	54.00	each	111.70	Rupees one hundred eleven & paise seventy only.

24/10/18

Chief Engineer
BSEID.C. Ltd, Patna
53/10/18
10/10/18

	9.97.2	250x10 mm	36.00	each	93.4	Rupees ninety three & paise forty only.
	9.97.5	100x10 mm	774.00	each	51.2	Rupees fifty one & paise twenty only.
37	9.90	Providing and fixing special quality chromium plated brass cupboard locks with six levers of approved quality including necessary screws etc. complete.				
	9.90.1	Size 40 mm	808.00	each	142.50	Rupees one hundred forty two & paise fifty only.
38	9.91	Providing and fixing chromium plated brass 50 mm cupboard or wardrobe knobs with nuts complete.	808.00	each	63.70	Rupees sixty three & paise seventy only.
39	9.100	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete:				
	9.100.1	125 mm	191.00	each	69.4	Rupees sixty nine & paise forty only.
	9.100.2	100 mm	1030.00	each	54.60	Rupees fifty four & paise sixty only.
40	9.127	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S, including cost of adhesive of approved quality.				
	9.127.2	1.0 mm thick	642.00	sqm	669.10	Rupees six hundred sixty nine & paise ten only.
		STEEL WORK				
41	10.14.1	Providing and fixing T-iron frames for doors. windows and ventilators of mild steel Tee-sections, joints miltred and welded with 15x3 mm lugs 10 cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including				
	10.14.2	Fixing with carbon steel galvanised dash fastener of required dia and size (to be paid for separately).	8484.00	kg	70.9	Rupees seventy & paise ninety only.

21/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

42	10.17	Providing and fixing M.S.fan clamp type I or II of 16 mm dia.M.S. bar bent to shape with hooked ends in R.C.C slabs during laying including painting the exposed portion of loop,all as per standard design complete.	406.00	Each	97.00	Rupees ninety seven only.
43	10.18	Providing and fixing circular cast iron box for ceiling fan clamp 140 mm internal dia, 73 mm height, 5 mm thick rim bottom and top lids, 1.5 mm thick M.S sheet with its top surface hacked for proper bonding top lid shall be screwed into the cast iron box by means of 3.3 mm dia round headed screws, one ;pcf at the corners. Clamps shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	406.00	Each	124.50	Rupees one hundred twenty four & paise fifty only.
44	10.32	Steel work welded in built up sections/framed work including cutting hoisting, rixing in position and applying a priming coat of approved steel primer using structural steel, etc. as required.				
	10.32.1	In stringers, treads, landings etc. of stair cases				
	10.32.2	In gratings, frames, guard bar, ladders, railings, brackts. gates & similar works	22210.50	kg	76.70	Rupees seventy six & paise seventy only.
45	10.36	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes,channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts,fasteners etc.).	7165.30	kg	623.90	Rupees six hundred twenty three & paise ninety only.
		FLOORING				
46	11.19	Chequered terrazo tiles 22 mm thick with marble chips of sozes upto 6 mm in floors jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polshing complete on 20 nm thick bed of cement mortar 1:4 (1 cement:4 coarse sand)				
	11.19.1	Light shade using white cement	49.00	sqm	908.50	Rupees nine hundred eight & paise fifty only.

20/10/18 11:00 AM

5/10/18
 Chief Engineer
 B.S.E.I.D.C. Ltd, Patna
 10/10/18

47	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete . Base with 1:1:1 (1 lime : 1 surkhi: 1 coarse sand) / 1:4				
	11.26.1	25 mm thick.	1177.00	sqm	998.30	Rupees nine hundred ninety eight & paise thirty only.
48	11.27	Kota stone slabs 20 mm thick in risers of steps skirting. Dado & pillars laid on 12 mm (average (thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. Details of cost for 10 sqm	447.00	sqm	973.00	Rupees nine hundred seventy three only.
49	11.36	Providing and fixing 1st 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 12 mm thick bed of cement Motar 1:3(1 cement: 3 coarse sand) and jointing with grey cement slurry @ 3.3 kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	4323.00	sqm	766.30	Rupees seven hundred sixty six & paise thirty only.
50	11.37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of ist quality conforming to IS : 15622 of approved make in colours such as white , Ivory , Grey , Fume Red , Brown , laid on 20 mm thick Cement motar 1:4 (1 cement: 4 coarse sand) ncluding pointing the joints with white cement and matching pigment etc., complete.	1437.00	sqm	799.40	Rupees seven hundred ninety nine & paise forty only.
51	11.41	Providing and laying vitrified floor tiles in different sizes {thickness to be specified by the manufactruer) with water absorption's less than 0.08 % and conforming to IS : 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with white cement and matching pigments etc., complete.				
	11.41.2	Size of Tile 60x60 cm	4754.00	sqm	1694.30	Rupees one thousand six hundred ninety four & paise thirty only.

Chief Engineer
B.S.E.I.D.C. Ltd, Patna

10/10/18

52	11.46	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.				
	11.46.2	Size of Tile 600 x 600 mm.	748.00	sqm	1403.60	Rupees one thousand four hundred three & paise sixty only.
		FINISHING				
53	13.11	12 mm cement plaster of mix:				
	13.11.4	1:6(1 cement: 6 coarse sand)	12261.00	sqm	101.20	Rupees one hundred one & paise twenty only.
54	13.12	15 mm cement plaster on rough side of single or half brick wall of mix.				
	13.12.4	1:6 (1 cement: 6 coarse sand)	21873.00	sqm	117.10	Rupees one hundred seventeen & paise ten only.
55	13.24	6 mm cement plaster to ceiling of mix :				
	13.24.2	1:4(1 cement: 4 coarse sand)	8621.00	sqm	87.40	Rupees eighty seven & paise forty only.
56	13.37	Extra for plastering exterior walls of height more than 10m from ground level for every add it .irate height of 3 m or part there of	6909.00	Sqm	28.80	Rupees twenty eight & paise eighty only.
57	13.45	Finishing walls with textured exterior paint of required shade :				
	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	9612.00	sqm	122.6	Rupees one hundred twenty two & paise sixty only.
58	13.46	Finishing walls with Acrylic Smooth exterior paint of required shade :				
	13.46.1	New work (Two or more coat applied @ 1.67 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	19572.00	sqm	71.10	Rupees seventy one & paise ten only.
59	13.77	Distempering with oil bound washa ble distemper of approved brand and manufacture to give an even shade				
	13.77.2	New work (two or more coats) over and including priming coat with cement primer	16969.28	sqm	69.1	Rupees sixty nine & paise ten only.

24/10/10

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/10

60	13.80.A.2	Providing and applying white cement based putty of average thickness 2 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	42754.00	Sqm	118.40	Rupees one hundred eighteen & paise forty only.
61	13.93	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:				
	13.93.1	Two or more coats on new work	1356.30	Sqm	54.10	Rupees fifty four & paise ten only.
		ROAD WORK				
62	4.2 (RCD)	Granular sub-base with coarse graded material (Table:- 400-2) (construction of granular sub-base by providing coarse graded material, spreading in uniform layers with mortar grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401).				
	(i)	for Grading-I material	441.00	cum	792.00	Rupees seven hundred ninety two only.
63	16.4 (DSR)	Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.	441.00	Qtl	449.10	Rupees four hundred forty nine & paise ten only.
64	6.2 (RCD)	Cement Concrete pavement (Construction of un reinforced dowel joints plain cement concrete pavement over a prepared sub base with 43 grade cement @ 400 Kg per cum coarse and fine aggregate conforming to IS 383 maximum size of coarse aggregate not exceeding 25 mm mixed in a batching and mixing plant as per approved mix design transported to site, laid with a fixed form or slip form paver spread compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints joint filler separation membrane sealant primer joint sealant debonding strip dowel bar tie rod admixtures as approved as curing compound finishing to lines and grades as per drawing)	367.00	cum	4610.00	Rupees four thousand six hundred ten only.

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Chief Engineer
BSEIDC. Ltd, Patna
10/10/18

65	8.2 (RCD)	Cast in Situ cement concrete M-20 kerb with channel (construction of cement concrete kerb with channel top and bottom width 115 and 165 mm respectively, 250mm high in m-20 grade PCC on m-10 grade foundation 150mm thick, kerb channel 300mm wide, 50mm in PCC M-20 grade, sloped towards the kerb, kerb stone with channel laid with kerb lying machine, foundation concrete laid manually, all complete as per clause 408).				
	8.2.B	Using concrete batching and mixing plant	374.00	RMT	371.00	Rupees three hundred seventy one only.
66	11.77	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of fine sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	369.00	sqm	475.40	Rupees four hundred seventy five & paise forty only.
	20.0	PILE WORK				
67	20.2	Boring, providing and installing bored cast-in-situ reinforced cement concrete piles of grade M-25 of specified diameter and length below the pile cap, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring, with bentonite solution and temporary casing of appropriate length for setting out and removal of same and the length of the pile to be embedded in the pile cap etc. all complete, including removal of excavated earth with all lifts and leads (Length of pile for payment shall be measured upto bottom of pile cap).				
	20.2.4	500 mm dia piles	10560.00	metre	1642.70	Rupees one thousand six hundred forty two & paise seventy only.
68	20.9	Integrity testing of Pile using Low Strain/ Sonic Integrity Test/ Sonic Echo Test method in accordance with IS 14893 including surface preparation of pile top by removing soil, mud, dust & chipping lean concrete lumps etc. and use of computerised equipment and high skill trained personal for conducting the test & submission of results, all complete as per direction of Engineer-in-charge.	528.00	Per Test	749.80	Rupees seven hundred forty nine & paise eighty only.

24/11/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/11/18

69	20.6	Vertical load testing of piles in accordance with IS 2911 (Part IV) including installation of loading platform and preparation of pile head or construction of test cap and dismantling of test cap after test etc. complete as per specification & the direction of Engineer in-charge.				
		Single pile above 50 tonne and upto 100 tonne capacity				
	20.6.2.1	Initial test	2.00	Per Test	49194.30	Rupees forty nine thousand one hundred ninety four & paise thirty only.
	20.6.2.2	Group of two or more piles upto 50 tonne capacity				
		Routine test	7.00	Per Test	28076.10	Rupees twenty eight thousand seventy six & paise ten only.
	20.6.3	Group of two or more piles upto 50 tonne capacity				
	20.6.3.2	Routine test	4.00	Per Test	36010.70	Rupees thirty six thousand ten & paise seventy only.
		ALUMINIUM				
70	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
	21.1.1	For fixed portion				
	21.1.1.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	11197.00	kg	378.70	Rupees three hundred seventy eight & paise seventy only.
71	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				

21.1.1.1.2

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

	21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	5271.00	kg	426.40	Rupees four hundred twenty six & paise forty only.
72	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge.(Cost of aluminium snap bading shall be paid in basic item.)				
	21.3.2	With glass panes of 5.50 mm thickness(weight not less than 13.75 kg/sqm)	1036.59	Sqm	998.40	Rupees nine hundred ninety eight & paise forty only.
73	21.8	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-incharge complete.				
	21.8.1	Upto 5mm depth and 5 mm width	3256.60	M	87.00	Rupees eighty seven only.
		WATER PROOFING				
74	22.3	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C. kitchen and the like consisting of: (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions.(ii) 11 nd course of 20 mm cement plaster 1:3 (1 cement:3 coarse sand)mixed with water proofing compound in recommended proportion, (iii) 111rd course of applying blown or/residual bitumen applied hot at 1.7 kg. per sqm of area, (iv) 1vth course of 400 micron thick PVC sheet.(Overlaps at joints of PVC shet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqni).	1585.00	sqm	389.10	Rupees three hundred eighty nine & paise ten only.

21/2/2018

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

75	22.8	Providing and laying integral cement based water proofing treatment including prepatation of surface as required for treatment of roofs, balconies , terraces etc, consisting of following operations. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water -proofing compound cleaning the surface before treatment, (b) Laying cement concrete using broken bricks / brick bats 25 mm to 100 mm size with 50 % of cement mortar 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 over 20 mm thick layer of cement mortar of mix 1:5 (1 cement: 5 coarse sand) admixed with proprietary water proofing compound conforming to IS 2545 to reuired slope and treating similary the adjoining walls upto 300 mm height including rounding of junctions, or walls ad slabs. (c) After two days of proper curing applying a secoung coat of cement slurry admixed with proprietary water proofing compound conforming to IS : 2645. (d) Finishing the				
	22.8.1	With average thickness of 120 mm and minimum thickness at khurras point to be 65 ..	1873.79	sqm	714.20	Rupees seven hundrec fourteen & paise twenty only.
		STRUCTURE GLAZING				
76	26.2	Designing, fabricating, testing, protection, installing and fixing in position semi (grid) unitized system of structural glazing (with open joints) for linear as well as curvilinear portions of the building for all heights and all levels, including:				
	a)	Structural analysis & design and preparation of shop drawings for the specified design loads conforming to IS 875 part III (the system must passed the proof test at 1.5 times design wind pressure without any failure), including functional design of the aluminum sections for fixing glazing panels of various thicknesses, aluminium cleats, sleeves and splice plates etc. gaskets, screws, toggles, nuts, bolts, clamps etc., structural and weather silicone sealants, flashings, fire stop (barrier)cum-smoke seals, microwave cured EPDM gaskets for water tightness, pressure equalisation & drainage and protection against fire hazard including:				

24/10/18 A.C. Rite

Chief Eng neer
B.S.E.I.D.C. Ltd, Patna
10/10/18

	b)	Fabricating and supplying serrated M.S. hot dip galvanised / Aluminium alloy of 6005 T5 brackets of required sizes, sections and profiles etc. to accommodate 3 Dimensional movement for achieving perfect verticality and fixing structural glazing system rigidly to the RCC/ masonry/structural steel framework of building structure using stainless steel anchor fasteners/ bolts, nylon separator to prevent bimetallic contacts with nuts and washers etc. of stainless steel grade 316, of the required capacity and in required numbers.				
	c)	Providing and filling, two part pump filled, structural silicone sealant and one part weather silicone sealant compatible with the structural silicone sealant of required bite size in a clean and controlled factory / work shop environment , including double sided spacer tape, setting blocks and backer rod, all of approved grade, brand and manufacture, as per the approved sealant design, within and all around the perimeter for holding glass.				
	d)	Providing and fixing in position flashings of solid aluminium sheet 1 mm thick and of sizes, shapes and profiles, as required as per the site conditions, to seal the gap between the building structure and all its interfaces with curtain glazing to make it watertight.				

24/2/2018

10/10/18
 Chief Engineer
 B.S.E.I.D.C. Ltd, Patna
 10/10/18

e)	Making provision for drainage of moisture/ water that enters the curtain glazing system to make it watertight, by incorporating principles of pressure equalization, providing suitable gutter profiles at bottom (if required), making necessary holes of required sizes and of required numbers etc. complete. This item includes cost of all inputs of designing, labour for fabricating and installation of aluminium grid, nstallation of glazed units, T&P, scaffolding and other incidental charges including wastages etc., enabling temporary structures and services, cranes or cradles etc. as described above and as specified. The item includes the cost of getting all the structural and functional design including shop drawings checked by a structural designer, dully approved by Engineer-in-charge. The item also includes the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working structural glazing as specified, cleaning and protection till the handing over of the building for occupation.				
	Note:- 1. The cost of providing extruded aluminium frames, shadow boxes, extruded aluminium section capping for fixing in the grooves of the curtain glazing and vermin proof stainless steel wire mesh shall be paid for separately under relevant items under this subhead. However, for the purpose of payment, only the actual area of structural glazing (including width of grooves) on the external face shall be measured in sqm. up to two decimal places.				
	Note:-2. The following performance test are to be conducted on structural glazing system if area of structural glazing exceeds 2500 Sqm from the certified laboratories accredited by NABL(National Accreditation Board for Testing and Calibration Laboratories), Department of Science & Technologies, India. Cost of testing is payable separately. The NIT approving authority will decide the necessity of testing on the basis of cost of the work, cost of the test and importance of the work. Performance Testing of Structural glazing system Tests to be conducted in the NBL Certified laboratories				

10/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

24-10-18

	1	Performance Laboratory Test for Air Leakage Test (-50pa to - 300pa) & (+50pa to +300pa) as per ASTM E-283-04 testing method for a range of testing limit 1 to 200 mVhr"				
	2	Static Water Penetration Test. (50pa to 1500pa) as per ASTM E- 33109 testing method for a range up to 2000 ml."				
	3	Dynamic Water Penetration (50pa to 1500pa) as per AAMA 501.01- 05 testing method for a range upto 2000 ml"				
	4	Structural Performance Deflection and deformation by static air pressure test (1.5 times desing wind pressure without any failure) as per ASTM E330-10 testing method for a range upto 50 mm"				
	5	Seismic Movement Test (upto 30 mm) as per AAMA 501.4-09 testing method for Qualitative test" Tests to be conducted on site 6. Onsite Test for Water Leakage for a pressure range 50 kpa to 240 kpa (35psi) upto 2000ml"	99.00	sqm	2584.70	Rupees two thousand five hundred eighty four & paise seventy only.
77	26.3	Providing, assembling and supplying vision glass panels (IGUs) comprising of hermetically-sealed 6-12- 6 mm insulated glass (double glazed) vision panel units of size and shape as required and specified, comprising of an outer heat strengthened float glass 6mm thick, of approved colour and shade with reflective soft coating on surface # 2 of approved colour and shade, an inner Heat strengthened clear float glass 6mm thick, spacer tube 12mm wide, dessicants, including primary seal and secondary seal (structural silicone sealant) etc. all complete for the required performances, as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge. The IGUs shall be assembled in the factory/ workshop of the glass processor. (Payment for fixing of IGU Panels in the curtain glazing is included in cost of item No.26.2) For payment, only the actual area of glass on face # 1 of the glass panels (excluding the areas of the grooves and weather silicone sealant) provided and fixed in position, shall be measured in sqm.				

24/2/2018

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

		(i) Coloured tinted float glass 6mm thick substrate with reflective soft coating on face # 2, + 12mm Airgap + 6mm Heat Strengthened clear Glass of approved make having properties as visible Light transmittance (VLT) of 25 to 35 %, Light reflection internal 10 to 15%, light reflection external 10 to 20 %, shading coefficient (0.25- 0.28) and U value of 3.0 to 3.3 W/m2 degree K etc. The properties of performance glass shall be decided by technical sanctioning authority as per the site requirement.	20.00	sqm	4146.50	Rupees four thousand one hundred forty six & paise fifty only.
78	26.4	Extra for openable side / top hung vision glass panels (IGUs) including providing and supplying at site all accessories and hardware for the openable panels as specified and of the approved make such as heavy duty stainless steel friction hinges, min 4 -point cremone locking sets with stainless steel plates, handles, buffers etc. including necessary stainless steel screws/ fasteners, nuts, bolts, washers etc. all complete as per the Architectural drawings, as per the approved shop drawings, as specified and as directed by the Engineer-in-Charge.	10.00	sqm	3184.30	Rupees three thousand one hundred eighty four & paise thirty only.
79	26.7	Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building , for all heights and all levels etc. including:				
	(a)	Structural analysis & design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design.				

21/10/18

Chief Engineer
BSEIDC. Ltd, Patna
10/10/18

	(b)	Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.				
	(c)	The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing. The item includes cost of all material & labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the performance characteristics all complete, as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the	19.80	sqm	3,876.30	Rupees three thousand eight hundred seventy six & paise thirty only
		CARRIAGE OF MATERIAL				
80		Carriage of materials				
	i	Stone chips	6661.60	Cum	1112.79	Rupees one thousand one hundred twelve & paise seventy nine only.
	ii	Coarse Sand	4219.37	Cum	547.74	Rupees five hundred forty seven & paise seventy four only.
	iii	Bricks	1483408.10	1000 Nos	531.02	Rupees five hundred thirty one & paise two only.

21/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

	iv	Steel	1004.16	MT	282.3	Rupees two hundred eighty two & paise thirty only.
	v	Cement	3221.68	MT	282.3	Rupees two hundred eighty two & paise thirty only.
	vi	Local sand	2614.34	Cum	181.48	Rupees one hundred eighty one & paise forty eight only.
81		Diffrence				
	i	Cement	3221.68	MT	319.03	Rupees three hundred nineteen & paise three only.
		Plumbing Works				
		SANITARY FIXTURES & C.P. FITTINGS:				
82	BSR-17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	48.00	Each	4416.00	Rupees four thousand four hundred sixteen only.
83	BSR-17.1	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low fixtures complete, including cutting and making good the walls and level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and floors wherever required :				
	BSR-17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	62.00	Each	3049.30	Rupees three thousand forty nine & paise thirty only.
84	BSR-17.17	Providing and fixing a pair of white vitreous china foot rests of standard pattern for squatting pan water closet:				
	BSR-17.17.1	250x130x30 mm	72.00	Each	158.40	Rupees one hundred fifty eight & paise forty only.

24/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/11/18

85	BSR 17.7	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.7.3	White Vitreous China Wash basin size 550x400 mm with a 15mm CP Brass single hole basin mixer	121.00	Each	1879.8	Rupees one thousand eight hundred seventy nine & paise eighty only.
86	BSR- 17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.1	Kitchen sink with drain board				
	17.10.1.3	510x1040x200mm with drain board	36.00	Each	5958.30	Rupees five thousand nine hundred fifty eight & paise thirty only.
87	BSR 17.70	Providing and fixing PTMT Bottle Trap for Wash basin.				
	17.70.1	Bottle trap 31 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms.	121.00	Each	428.80	Rupees four hundred twenty eight & paise eighty only.
88	BSR 17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour weighing not less than 105 gms.	121.00	Each	191.00	Rupees one hundred ninety one only.
89	BSR 17.72	Providing & fixing PTMT towel ring trapezoidal shape 215 mm long 200 mm wide with minimum distance of 37 mm from wall face with concealed fittings arrangement of approved quality and colour weighing not less than 88 gms	108.00	Each	183.50	Rupees one hundred eighty three & paise fifty only.
90	BSR 18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931				
	BSR 18.49.1	15 mm nominal bore	198.00	Each	481.60	Rupees four hundred eighty one & paise sixty only.
91	BSR 18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.	121.00	Each	640.30	Rupees six hundred forty & paise thirty only.
	BSR 18.51.1	15 mm nominal bore				

24/2/2018

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

92	BSR 18,53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 a) 15 mm nominal bore.				
	BSR 18.53.1	15 mm nominal bore	681.00	Each	532.40	Rupees five hundred thirty two & paise forty only.
93	BSR 18,21	Providing and fixing unplasticised PVC connection pipe with brass unions :				
	18.21.2.1	15 mm nominal bore	199.00	Each	70.60	Rupees seventy & paise sixty only.
94	BSR 17,34	Providing and fixing toilet paper holder :				
	17.34.1	C.P. brass	85.00	Each	315.20	Rupees three hundred fifteen & paise twenty only.
95	BSR- 18.75	Providing and fixing PTMT extension nipple for water tank pipe, fittings of approved quality and colour.				
	BSR-18.75.1	15 mm nominal bore. Weighing not less than 32 gms.	260.00	Each	46.10	Rupees forty six & paise ten only.
96	BSR- 18.65	Providing and fixing PTMT Soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements. Weighing not less than 106 gms.	157.00	Each	160.40	Rupees one hundred sixty & paise forty only.
97	BSR-. 18.62	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.				
	BSR-18.62.3	25 mm nominal bore, 152mm long. Weighing not less than 440 gms.	16.00	Each	579.30	Rupees five hundred seventy nine & paise thirty only.
98	BSR- 17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	120.00	Each	690.70	Rupees six hundred ninety & paise seventy only.
		SOIL, WASTE, VENT & RAIN WATER PIPES:				
99	BSR-12.78	Providing and fixing on wall face Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes.				
	BSR-12.78.1	75 mm outer dia.	2310.00	RM	127.30	Rupees one hundred twenty seven & paise thirty only.
	BSR-12.78.2	110mm outer dia.	3330.00	RM	212.40	Rupees two hundred twelve & paise forty only.

21/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

100	BSR-12.79	Providing and fixing on wall face Unplasticised - PVC moulded fittings/ accessories for Unplasticised Rigid PVC pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.				
	BSR-12.79.1	Coupler				
	BSR-12.79.1.1	75 mm Dia	193.00	Each	105.50	Rupees one hundred five & paise fifty only
	BSR-12.79.1.2	110 mm Dia	693.00	Each	140.20	Rupees one hundred forty & paise twenty only.
101	BSR-12.79.3	Single tee with door				
	BSR-12.79.3.1	75x75x75 mm	243.00	Each	221.20	Rupees two hundred twenty one & paise twenty only.
	BSR-12.79.3.2	110x110x110 mm	940.00	Each	306.10	Rupees three hundred six & paise ten only.
102	BSR-12.79.4	Single tee without door				
	BSR-12.79.4.1	75x75x75 mm	239.00	Each	196.80	Rupees one hundred ninety six & paise eighty only.
	BSR-12.79.4.2	110x110x110 mm	312.00	Each	257.30	Rupees two hundred fifty seven & paise thirty only.
103	BSR-12.79.5	Bend 87.5°				
	BSR-12.79.5.1	75 mm bend	156.00	Each	112.90	Rupees one hundred twelve & paise ninety only.
	BSR-12.79.5.2	110 mm bend	148.00	Each	168.30	Rupees one hundred sixty eight & paise thirty only.
104	BSR-12.79.6	Shoe (Plain)				
	12.79.6.1	75 mm	103.00	Each	175.10	Rupees one hundred seventy five & paise ten only.
	12.79.6.2	110 mm Shoe	106.00	Each	305.02	Rupees three hundred five & paise two only.
105	BSR-17.28	Providing & fixing uPVC waste pipe for sink or wash basin including uPVC waste fittings complete.				
	BSR-17.28.1	Semi Rigid pipe				
	BSR-17.28.1.1	32 mm dia	75.00	RM	78.50	Rupees seventy eight & paise fifty only.
	BSR-17.28.1.2	40 mm dia	111.00	RM	84.60	Rupees eighty four & paise sixty only.
106	BSR-18.58	Providing and fixing PTMT grating of approved quality and colour.				
	BSR-18.58.1	Circular type.				
	BSR-18.58.1.1	100 mm dia.	115.00	Each	46.40	Rupees forty six & paise forty only.

24/10/18 A.C. Rile

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

	BSR.- 18.58.1.2	125 mm dia. with 25mm waste hole.	200.00	Each	59.90	Rupees fifty nine & paise ninety only.
107	BSR- 12.81	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	28.00	Each	39.10	Rupees thirty nine & paise ten only.
108	BSR-. 4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering all work upto plinth level.				
	BSR- 4.1.3	1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	120.00	Cum.	3850.50	Rupees three thousand eight hundred fifty & paise fifty only.
109	BSR- 12.39	Making khurras 45cm x 45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x 1m x400 micron, finished 12mm cement plaster 1:3 (1 cement:3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	123.00	Each	150.10	Rupees one hundred fifty & paise ten only.
110	BSR-19.4	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 :				
	19.4.1	100x100 mm size P type				
	19.4.1.2	With Sewer bricks conforming to IS : 4885 each				
			68.00	Each	1442.50	Rupees one thousand four hundred forty two & paise fifty only.
		<u>WATER SUPPLY SYSTEM - INTERNAL</u>				
111	BSR-18.10	Providing and fixing G.I. Pipe complete G.I. Fittings and clamps including cutting and making good the walls etc. (Internal work)				
		Exposed on walls				
	BSR-18.10.1	15 mm dia	165.00	RM	167.90	Rupees one hundred sixty seven & paise ninety only.
	BSR-18.10.2	20 mm dia	390.00	RM	207.70	Rupees two hundred seven & paise seventy only.
	BSR-18.10.3	25 mm dia	210.00	RM	269.20	Rupees two hundred sixty nine & paise twenty only.

21/10/18

Chief Engineer
BSEID.C. Ltd, Patna
10/10/18

	BSR-18.10.4	32mm dia	330.00	RM	319.20	Rupees three hundred nineteen & paise twenty only.
	BSR-18.10.5	40mm dia	195.00	RM	394.10	Rupees three hundred ninety four & paise ten only.
	BSR-18.10.6	50mm dia	730.00	RM	489.10	Rupees four hundred eighty nine & paise ten only.
112	BSR-18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.				
	BSR-18.12.8	80 mm dia nominal bore	770.00	RM	633.60	Rupees six hundred thirty three & paise sixty only.
113	BSR-18.13	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
	18.13.2	50 to 80 mm nominal bore	28.00	Each	637.80	Rupees six hundred thirty seven & paise eighty only.
114	BSR-18.11	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, i/c making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
	18.11.1	15 mm dia nominal bore	285.00	RM	229.60	Rupees two hundred twenty nine & paise sixty only.
	18.11.2	20 mm dia nominal bore	490.00	RM	265.50	Rupees two hundred sixty five & paise fifty only.
115	BSR-18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.				
	BSR-18.7.1	15mm nominal outer dia.	135.00	RM	138.70	Rupees one hundred thirty eight & paise seventy only.
	BSR-18.7.2	20mm nominal outer dia.	500.00	RM	164.00	Rupees one hundred sixty four only.

21/10/18

Chief Engineer
BSEIDC. Ltd, Patna
10/10/18

	BSR-18.7.3	25mm nominal outer dia.	220.00	RM	206.80	Rupees two hundred six & paise eighty only.
	BSR-18.7.4	32mm nominal outer dia.	330.00	RM	270.40	Rupees two hundred seventy & paise forty only.
	BSR-18.7.5	40mm nominal outer dia.	205.00	RM	375.60	Rupees three hundred seventy five & paise sixty only.
	BSR-18.7.6	50mm nominal outer dia.	770.00	RM	558.10	Rupees five hundred fifty eight & paise ten only.
116	BSR-18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
	BSR-18.18.1	15mm dia	90.00	Each	300.90	Rupees three hundred & paise ninety only.
	BSR-18.18.2	20mm dia	50.00	Each	427.90	Rupees four hundred twenty seven & paise ninety only.
	BSR-18.18.3	25mm dia	120.00	Each	469.40	Rupees four hundred sixty nine & paise forty only.
117	BSR-18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
	BSR-18.17.2	32mm dia	10.00	Each	525.70	Rupees five hundred twenty five & paise seventy only.
	BSR-18.17.3	40mm dia	10.00	Each	613.90	Rupees six hundred thirteen & paise ninety only.
	BSR-18.17.4	50mm dia	24.00	Each	811.40	Rupees eight hundred eleven & paise forty only.
118	BSR.-18.48	Providing and placing on terrace (at all floor levels) Polythylene water storage tanks of approved brand and manufacture 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, with the following capacities .	63000.00	per litre	6.60	Rupees six & paise sixty only.
119	BSR-18.38	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work :				
		Exposed on walls				
	BSR-18.38.1	15 mm dia	155.00	RM	8.00	Rupees eight only.
	BSR-18.38.2	20 mm dia	390.00	RM	9.30	Rupees nine & paise thirty only.
	BSR-18.38.3	25 mm dia	200.00	RM	12.30	Rupees twelve & paise thirty only.

245-1 (A) n/c box

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

	BSR-18.38.4	32mm dia	330.00	RM	14.40	Rupees fourteen & paise forty only.
	BSR-18.38.5	40mm dia	185.00	RM	17.20	Rupees seventeen & paise twenty only.
	BSR-18.38.6	50mm dia	560.00	RM	20.10	Rupees twenty & paise ten only.
		EXTERNAL PLUMBING WORKS				
		EXTERNAL WATER SUPPLY, SEWERAGE AND STORM WATER DRAINAGE SYSTEM				
120	BSR - 18.32	Constructing masonry Chamber 30x30x50 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for stop cock, with C. I. surface box 100x100 x75 mm (inside) with hinged cover fixed in cement concrete slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12mm thick, finished with a floating coat of neat cement complete as per standard design :				
	BSR - 18.32.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	8.00	Each	1018.40	Rupees one thousand eighteen & paise forty only.
121	B.S.R. 18.33	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve,with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10(1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominalsize) and inside plastering with cement mortar 1:3 (1 cement : 3coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :				
	B.S.R. 18.33.1	With common burnt clay F.P.S.(non modular) bricks of class designation 100A	30.00	Each	5807.50	Rupees five thousand eight hundred seven & paise fifty only.

2/6/2018 A.C. Rite

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

122	B.S.R. 2.10	Excavating trenches of required width for pipes cables etc. including excavation for sockets and dressing of sides ramming of bottoms, depth upto 1.5 m including getting out the excavated soil, and then returning the soil as required in layers not exceeding 20cms in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed within a lead of 50m .				
	B.S.R. 2.10.1	All kinds of soil				
	B.S.R. 2.10.1.2	Pipes, Cables etc. exceeding 80mm dia. but not exceeding 300mm dia..	505.00	RM	235.40	Rupees two hundred thirty five & paise forty only.
123	B.S.R. 2.11	Extra for excavating trenches for pipes, cables etc. in all kinds of soil exceeding 1.5m in depth, but not exceeding 3.0 m. (Rate is over corresponding basic item for depth upto 1.5meter.	176.00	RM	131.60	Rupees one hundred thirty one & paise sixt only.
124	B.S.R. 19.6	Providing & laying non-pressure NP2 class (light duty) R.C.C pipes with collars jointed with stiff mixture of cement motor in the proportion of 1:2 (1cement : 2 fine sand) including testing of joints etc.complete.				
	B.S.R. 19.6.2	150 mm dia.RCC pipe	106.00	RM	329.40	Rupees three hundred twenty nine & paise forty only.
	B.S.R. 19.6.3	250 mm dia.RCC pipe	268.00	RM	430.40	Rupees four hundred thirty & paise forty only.
125	B.S.R. 19	Providing, laying & jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1fine sand) including testing of joints etc. complete.				
	B.S.R. 19.1.5	250 mm dia.	114.00	RM	660.30	Rupees six hundred sixty & paise thirty only.
	B.S.R. 19.1.6	300 mm dia.	208.00	RM	730.60	Rupees seven hundred thirty & paise sixty only.
126	B.S.R. 21.2	Providing and laying cement concrete 1:5:10 (1cement: 5 coarse sand: 10 graded stone aggregate 40 mm nominal size) all-round stoneware / R.C.C. pipe including bed concrete as per standard design.				
	B.S.R.19.2.4	250 mm dia.	177.00	RM	581.40	Rupees five hundred eighty one & paise forty only.

24/10/18

Chief Eng neer
B.S.E.I.D.C. Ltd, Patna
14/10/18

127	B.S.R.19.3	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches, of S.W. pipes including bed concrete as per standard design :				
	B.S.R.19.3.5	300 mm dia.	208.00	RM	428.90	Rupees four hundred twenty eight & paise ninety only.
128	B.S.R. 19.4	Providing and fixing square mouth S.W. Gully trap grade 'A' complete with C.I. grating brick masonry chamber with bricks of class designation 75 and water tight C.I. Cover with frame of 300 x 300 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..				
	B.S.R. 19.4.1	100x100 mm size 'P' trap (With common burnt clay F.P.S. (non modular bricks of class designation 7.5)	16.00	Each	1415.00	Rupees one thousand four hundred fifteen only.
129	B.S.R. 19.7	Constructing brick masonry manhole with 75 class designation brick in cement mortar 1:4 (1 cement : 4 coarse sand), RCC top slab with 1:2:4 mix (1 cement : 2 coarse sand; 4 graded stone aggregate 20mm nominal size), 200mm thick foundation concrete 1:4:8 mix (1 cement : 4 coarse sand; 8 graded stone aggregate 40mm nominal size), inside and outside plastering 12mm thick with cement mortar 1:3 (1 cement:3 coarse sand), finished with a floating coat of neat cement inside and rough plaster on outside and making channels in cement concrete 1:2:4 mix (1 cement : 2 coarse sand; 4 graded stone aggregate 20mm nominal size), neatly finished complete as per standard design including excavation, refilling and disposal of surplus earth.				
	B.S.R. 19.7.1	Inside size 90x80cms and 60cms deep including SFRC cover 455x610mm internal dimensions total weight of cover and frame to be not less than 38 kg (wt. of cover 23 kg and wt. of frame 15 kg).				
	B.S.R. 19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	19.00	Each	6958.90	Rupees six thousand hundred fifty eight & paise ninety only.
130	B.S.R. 19.7.2	Inside size 120x90cms and 90cms deep including C.I. cover with frame (medium duty) 560mm internal diameter, total weight of cover and frame to be not less than 116 kg (wt. of cover 58 kg and wt. of frame 58 kg).				

21/10/18

Chief Eng neer
B.S.E.I.D.C. Ltd, Patna
10/10/18

	B.S.R. 19.7.2.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	7.00	Each	15986.50	Rupees fifteen thousand nine hundred eighty six & paise fifty only.
131	B.S.R. 19.8	Extra for depth for manholes				
	B.S.R. 19.8.1.1	Manhole size 90x80 cm with F.P.S. bricks	6.00	RM	5217.80	Rupees five thousand two hundred seventeen & paise eighty only.
	B.S.R. 19.8.2.1	Manhole size 120x90 cm with F.P.S. bricks	7.00	RM	6242.60	Rupees six thousand two hundred forty two & paise sixty only.
132	B.S.R. 19.27	Constructing brick masonry road gully chamber 50x45x60cm with brick of class designation 75 in cement mortar 1:5 (1 cement: 5 coarse sand), including 500x450 mm precast R.C.C. horizontal grating with frame complete as per standard design				
	B.S.R. 19.27.2	With F.P.S. bricks	48.00	Each	3384.80	Rupees three thousand three hundred eighty four & paise eighty only.
133	B.S.R. 19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	142.00	Each	208.00	Rupees two hundred eight only.
		RAIN WATER HARVESTING PIT				

21/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

134	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, in all leads inside the project side premises as per site plan and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kind of soil	245.00	Cum	225.40	Rupees two hundred twenty five & paise forty only.
135	2.26.1	Extra for every additional lift of 1.5 m or there part thereof in excavation/banking excavated or stacked materials.				
		All kinds of soil.	70.00	Cum	29.2	Rupees twenty nine & paise twenty only.
136	BSR 2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating Each deposited layer by ramming and watering, in all leads and lifts within campus as per site plan complete as per direction of the Engineer.	8.00	Cum	74.50	Rupees seventy four & paise fifty only.
137	BSR 5.34.1	Providing M-30 grade concrete instead of M-25 grade BMC / RMC. (Note:- Cement content considered in M-30 is @ 340 kg/kg/cum)	11.00	Cum	76.6	Rupees seventy six & paise sixty only.
138	BSR 6.1C	Brick work with fly ash bricks as per IS 12894(2002) & IS 3495 in foundations and plinth in :	47.00	Cum	4936.30	Rupees four thousand nine hundred thirty six & paise thirty only.
	6.1.12.C	Cement mortar 1 :4 (1 cement: 4 coarse sand)				
139	BSR 5.3	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 up to floor five level excluding the cost of centering, shuttering, finishing & reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size)	15.00	Cum	4671.80	Rupees four thousand six hundred seventy one & paise eighty only.
140	DSR 5.9	Centring and shuttering including stutting, propping etc. and removal of form for:				
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	58.00	Sqm	291	Rupees two hundred ninety one only.

21/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

141	BSR 19.16	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	18.00	each	208.00	Rupees two hundred eight only.
142	BSR 18.12.3	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work : 25mm dia nominal bore	30.00	Meter	231.3	Rupees two hundred thirty one & paise thirty only.
143	BSR 19.6.5	Providing and laying non-pressure NP2 class (light duty) R.C.C pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc. complete : a) 450mm dia R.C.C pipe	30.00	Meter	646.4	Rupees six hundred forty six & paise forty only.
144	BSR 24.8	Gravel packing in tubewell construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	19.00	Cum	990.1	Rupees nine hundred ninety & paise ten only.
145	BSR 24.4.1	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge. 100mm dia	10.00	Meter	468.8	Rupees four hundred sixty eight & paise eighty only.
SEWAGE SOAK PIT						
146	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.				

21/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	Each	28775.50	Rupees twenty eight thousand seven hundred seventy five & paise fifty only.
		Electrical Works				
147	BSR 1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, with modular switch, modular plate, suitable size GI box etc.as required.				
	BSR 1.3.1	Group A	888	Point	491.00	Rupees four hundred ninety one only.
148	BSR 1.3	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, with modular switch, modular plate, suitable size GI box etc.as required.				
	BSR 1.3.3	Group B	1,164	Point	567.00	Rupees five hundred sixty seven only.
149	BSR 1.4	Wiring for twin control light point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, 2 way modular switch, modular plate, suitable size GI box etc. as required.	48	Point	720.00	Rupees seven hundred twenty only.
150	BSR 1.7	Wiring for circuit/ submain wiring along with earth wire with the following sizes PVC insulated copper conductor, single core cable in surface / recessed PVC conduit as required.				
	BSR 1.7.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire(Light point)	3,800	Metre	117.00	Rupees one hundred seventeen only.
	BSR 1.7.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	60	Metre	276.00	Rupees two hundred seventy six only.
	BSR 1.7.11	4 X 6 sq.mm + 1 X 6 sq. mm earth wire	400	Metre	451.00	Rupees four hundred fifty one only.
	BSR 1.7.12	4 X 10 sq.mm + 1 X 10 sq. mm earth wire	1,000	Metre	684.00	Rupees six hundred eighty four only.
151	BSR 1.15	Supplying and drawing following size of FR PVC insulated copper conductor, single core cable in the existing surface / recessed PVC conduit as required.				
	BSR 1.15.6	6 x 1.5 sq. mm (4 X 1.5 sq.mm + 2 X 1.5 sq. mm)(Light ckt.)	950	Metre	120.00	Rupees one hundred twenty only.
	BSR 1.15.9	9 x 1.5 sq. mm (6 X 1.5 sq.mm + 3 X 1.5 sq. mm)(Light ckt.)	600	Metre	185.00	Rupees one hundred eighty five only.

24/2/2018

Chief Engineer
BSEID.C. Ltd, Patna
10/10/18

152	BSR 1.5	Wiring for light/ power plug with 2 X 4 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit along with 1 No. 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	7,700	Metre	193.00	Rupees one hundred ninety three only.
153	BSR 1.6	Wiring for light/ power plug with 4 X 4 sq.mm FR PVC insulated copper conductor single core cable in surface/ recessed PVC conduit along with 2 Nos. 4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required	3,850	Metre	341.00	Rupees three hundred forty one only.
154	BSR 1.31	Supplying and fixing suitable size G.I. box with modular plate and cover in front on surface or in recess including providing and fixing 5 pin, 5/6 amps modular socket outlet and 5/6 amps modular type switch connection, painting etc, as required.	750	Nos	372.00	Rupees three hundred seventy two only.
155	BSR 1.32	Supplying and fixing suitable size of GI box with modular plate and cover in front on surface or in recess including providing and fixing 6 pin, 20/16 amps modular socket outlet and 20 / 16 amps modular switch. connection, painting etc, as required.	250	Each	446.00	Rupees four hundred forty six only.
156	BSR 2.19	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "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.	144	Each	849.00	Rupees eight hundred forty nine only.
157	BSR 1.24	Supplying and fixing following modular type switch/ socket on the existing modular plate and switch box including connection but excluding modular plate etc. as required.				
	BSR 1.24.6	Telephone socket outlet	37	Nos	103.00	Rupees one hundred three only.
	BSR 1.24.7	TV antenna socket outlet	147	Nos	103.00	Rupees one hundred three only.
158	BSR 1.27	Supplying and fixing following size/modules G.I. box along with modular base & cover plate for modular switches in recess etc as required.				
	BSR 1.27.1	1 or 2 Module (75mmX75mm) (for Telephone, Television)	184	Nos	167.00	Rupees one hundred sixty seven only.

24/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

159	BSR 1.16	Supplying and drawing following pair, 0.5 sq.mm FR PVC insulated copper conductor, unarmoured telephone cable in the existing surface / recessed PVC conduit as required.				
	BSR 1.16.2	2 Pair	1,090	Mtr	19.00	Rupees nineteen only.
160	BSR 1.17	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, with PVC sheath in the existing surface/recessed steel/ PVC conduit as required	3,540	Mtr	24.00	Rupees twenty four only.
161	BSR 1.21	Supplying and fixing of following sizes of PVC conduit along with accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required.				
	BSR 1.21.2	25 mm (for TV, Telephone, P.A, F.A, & circuit wiring)	7,000	Mtr	69.00	Rupees sixty nine only
	BSR 1.21.3	32 mm (for TV, Telephone, P.A, F.A, & circuit wiring)	2,500	Mtr	109.00	Rupees one hundred nine only.
162	BSR 1.22	Supplying and fixing metal/pvc box of following sizes (nominal size) on surface or in recess with suitable size of phenolic laminated sheet cover in front including painting etc as required.				
	BSR 1.22.3	150mmX75mmX60mm deep (for 32A DP MCB)	91	nos	126.00	Rupees one hundred twenty six only.
163	DSR(2016) 12.34	Supplying and fixing of 32mm dia x 2.00 metres long G.I. pipe (medium class) bracket for mounting of fluorescent / HPMV / HPSV LED street light fitting on pole including bending the pipe to the required shape 2 nos 40 mm x 3 mm flat iron clamps with nuts bolts and washer painting the iron with primer and finish paint etc. as required.	7	Each	733.00	Rupees seven hundred thirty three only.
164	BSR 1.25	Supplying and fixing of Stepped type electronic fan regulator on the existing modular plate & switch box including connections but excluding modular plate etc. as reqd.	409	Each	387.00	Rupees three hundred eighty seven only.
165	BSR 8.11.2	Supplying and intallation of regular / standarad model A.C ceiling fan of 1200 mm sweep including wiring the down road of standard lenght (upto 30cm) with 1.5 sqm. mm FR PVC insulated copper conductor etc as required.	409	Each	1,943.00	Rupees one thousand nine hundred forty three only.

24/2/2018-6/12

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10/10/18

166	BSR 1.41	Installation, testing and commissioning of pre-wired, fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. direct on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	1,254	Each	62.00	Rupees sixty two only
167	BRS 1.24	Supplying & fixing following modular switch/socket on the existing modular plate & switch box including connection but excluding modular plate etc. as required.				
	1.24.8	Bell push	36	Each	114.00	Rupees one hundred fourteen only.
168	BSR 1.37	supplying and fixing ding dong call bell suitable for single phase 230 volts complete as required.	36	Each	142.00	Rupees one hundred forty two only.
169	BSR 8.11.4	supply and Installation of 300 mm 230 v A.C exhaust fan in the existing opening including making good the damage, connection testing, commissioning etc required.	123	Each	2,287.00	Rupees two thousand two hundred eighty seven only.
		MAIN BOARD FOR (NORMAL)				
170	2.8	Supplying and fixing following way, single pole and neutral, sheet steel. MCB distribution board, 240 Volts, on surface/ recess, complete with tinned copper busbar, neutral busbar, earth bar, din bar, interconnections powder painted including earthing etc. as required.(but without MCB/ RCCB/ ISOLATER)				
	2.8.7	2+6 Way Double door (lift room)	2	Nos.	1402	Rupees one thousand four hundred two only
171	2.9	Supplying and fixing following way, three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess complete with tinned copper busbar, neutral busbar, earth bar, din bar, detachable gland plate, interconnections, phosphatized and powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)				
	BSR 2.9.4	4 way (4 + 12), Double door	12	Each	2971	Rupees two thousand nine hundred seventy one only.
	BSR 2.9.5	6 way (4 + 18), Double door (Common area)	1	Each	3,660.00	Rupees three thousand six hundred sixty only
	BSR 2.9.6	8 way (4 + 24), Double door (Residences)	48	Each	4,655.00	Rupees four thousand six hundred fifty five only.

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna
Handwritten signature: K. K. Singh
10/10/18

172	2.15	Supplying & fixing following rating, double pole, 240 V, isolator in existing MCB DB complete with connections, testing and commissioning etc. as required.				
	2.15.1	40 Amp	2	Nos.	395	Rupees three hundred ninety five only.
173	2.16	Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.,				
	BSR 2.16.1	40 Amps	13	Each	903.00	Rupees nine hundred three only.
	BSR 2.16.2	63 Amps	48	Each	915.00	Rupees nine hundred fifteen only.
174	BSR 2.12	Supplying & fixing following rating 240/415 volts 'C' series, Miniature Circuit Breaker suitable for inductive loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
	BSR 2.12.1	6/32 amps, Single Pole	608	Nos.	208.00	Rupees two hundred eight only.
	2.13.1	6/32 amps Double Pole	91	Nos.	632	Rupees six hundred thirty two only.
175	BSR 2.14	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	74	Each	16.00	Rupees sixteen only.
176	BSR 3.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with charcoal or coke and salt as required.	8	Sets	5,520.00	Rupees five thousand five hundred twenty only.
177	BSR 3.11	Supplying and laying 25mmx5mm G.I strip in 40 mm dia G.I strip in 40 mm dia G.I. pipe from earth electronic including connection with G.I nut, bolt spring washer excavation and refilling etc. as required.	50	Mtr	369.00	Rupees three hundred sixty nine only.
178	BSR 3.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	300	Mtr	141.00	Rupees one hundred forty one only.
179	BSR 3.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along as required.	2,000	Mtr	34.00	Rupees thirty four only.
180	BSR 4.2	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	4	Set	371	Rupees three hundred seventy one only.

21/10/18

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

181	BSR 4.8	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	500	Mtr	86	Rupees eighty six only
182	BSR 4.9	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	400	Mtr	23	Rupees twenty three only.
183	BSR 4.12	Providing and fixing testing joint, made of 20 mm X 3 mm thick G.I. strip, 125 mm long, with 4 nos. of G.I. bolts, nuts, chuck nuts and spring washers etc. complete as required.	4	Each	68	Rupees sixty eight only.
184	BSR 4.14	Providing and laying G.I. tape 32 mm X 6 mm from earth electrode directly in ground as required.	300	Mtr	147	Rupees one hundred forty seven only.
185	BSR 3.4	Earthing with G.I. earth plate 600mm x 600mm x 6mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 metre long etc. with charcoal/ coke and salt as required.	4	Each	5,520.00	Rupees five thousand five hundred twenty only.
186	BSR 2206	Supply of 3.5 core 35 sq. mm XLPE/PVC INSULATED PVC sheathed (heavy duty) armoured electric cable with aluminium conductor.	450	Mtr	303.00	Rupees three hundred three only.
187	BSR 2208	Supply of 3.5 core 70 sq. mm XLPE/PVC INSULATED PVC sheathed (heavy duty) armoured electric cable with aluminium conductor.	200	Mtr	530.00	Rupees five hundred thirty only.
188	BSR 2212	Supply of 3.5 core 185 sq. mm XLPE/PVC INSULATED PVC sheathed (heavy duty) armoured electric cable with aluminium conductor.	350	Mtr	1,213.00	Rupees one thousand two hundred thirteen only.
189	CPWD 9.1	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.				
	CPWD 9.1.21	3½ X 35 sq. mm (32mm)	8	set	282.00	Rupees two hundred eighty two only.
	CPWD 9.1.23	3½ X 70 sq. mm (38mm)	4	set	394.00	Rupees three hundred ninety four only.
	CPWD 9.1.27	3½ X 185 sq. mm (57mm)	6	set	804.00	Rupees eight hundred four only.
190	BSR 7.1	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc. as required.				

24/10/18

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B.S.E.I.D.C. Ltd, Patna
10/10/18

	BSR 7.1.1	Upto 35 sq. mm		Mtr	149.00	Rupees one hundred forty nine only.
	7.1.2	Above 35 sq. mm and upto 95 sq. mm	150	Mtr	154.00	Rupees one hundred fifty four only.
	BSR 7.1.3	Above 95 sq. mm and upto 185 sq. mm	150	Mtr	159.00	Rupees one hundred fifty nine only.
191	BSR 7.2	Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 kV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation sand cushioning protective covering and refilling the trench etc. as required.				
	BSR 7.2.1	Upto 35 sq. mm	300	Mtr	116.00	Rupees one hundred sixteen only.
	BSR 7.2.3	Above 95 sq. mm and upto 185 sq. mm	150	Mtr	126.00	Rupees one hundred twenty six only.
192	BSR 7.4	fixing for laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kv grade of following size on wall surface as required.				
	BSR 7.4.1	Upto 35 sq. mm (clamped with 1mm thick saddle)	150	Mtr	21.00	Rupees twenty one only.
	7.4.2	Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	50	Mtr	55.00	Rupees fifty five only
	BSR 7.4.3	Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	50	Mtr	64.00	Rupees sixty four only
193	BSR 9.14	Providing laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortal 1:2(1 cement :2 fine sand)including trenching (72 cm deep) and refilling etc. as required.				
	BSR 9.14.3	250 mm dia	20	Each	423.00	Rupees four hundred twenty three only.
194	1-15	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
	BSR 1.15.2	2 x 1.5 sq. mm	1,000	Mtr	42.00	Rupees forty two only
	BSR 1.15.20	2 x 4 sq. mm	1,000	Mtr	97.00	Rupees ninety seven only.
		SUBHEAD -IX CCTV SYSTEM				
195	BSR 1.15	Supplying and drawing following sizes of FR PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
	BSR 1.15.2	2 x 1.5 sq. mm	500	Mtr	42.00	Rupees forty two only
			TOTAL			217855023.89
			SAY			217855000.00

(Rupees Twenty One Crore Seventy Eight Lakh Fifty Five Thousand only)

GRAND TOTAL PART- A

217855000.00

Chief Engineer
BSEIDC Ltd, Patna
10/10/18

Bill of Quantities for Construction of Girls Hostel (G+5) & Staff Quarter (G+5) in the campus of Chandragupta Institute of Management, Mithapur Patna Under Phase-II

PART-B Item Rate Basis (Non Sheduled Item)

Name and Address of Contractor					Sachchidanand Singh	
Address, E-mail and Mobile No. of Contractor/ Bidder					Sheikhpura, Patna - 800014	
Sl. No	Item Code	Description of Items	Qty.	Unit	Rate (In Digit)	Rate (In Words)
1	NSI	Providing and laying light weight foam concrete in sunken portion at all levels as per direction of Engineer-in-charge	365.00	Sqm	6488.05	six thousand four hundred eightyeight and paise five only
		WOOD WORK				
2	NSI	Providing and Fixing Pravesh Doors (External) in Plain wood Finish complete in all respect with Frame (1.2 mm thick GI Sheet), Shutter (0.8 mm thick GI Sheet), All accessories, Vision Panel of required sizes, Door closer etc Complete as per satisfaction of Engg in charge. (Approval of Shop Drawing is most prior to execution.)	521.00	Sqm	10751.50	ten thousand seven hundred fifty one and paise fifty
3	NSI	Providing and Fixing Pravesh Doors (Internal) in Plain wood Finish complete in all respect with Frame (1.2 mm thick GI Sheet), Shutter (0.8 mm thick GI Sheet), All accessories, Vision Panel of required sizes, Door closer etc Complete as per satisfaction of Engg in charge. (Approval of Shop Drawing is most prior to execution.)	836.00	Sqm	9003.10	nine thousand three and paise ten
		FINISHING				
2 A	NSI	Providing and Fixing Multi cell/tight cell Polycarbonate Panel System 12 mm thick with Width shall not be less than 900mm to ensure best performance for wind uplift. The weight of the panel shall be 2500 gram per square meter with Vertical Standing Seam at both sides; snap-on connector to interlock the panels shall have a grip-lock double tooth locking mechanism to ensure maximum uplift capability. Panel shall be co-extruded with special anti glare compound to make it anti-glare/soft light to prevent glare and sun streaks. The panel will be fitted on MS supporting structure (will be paid separately).	235.22	Sqm	4107.75	four thousand one hundred seven and paise seventy five
3 5	NSI	Providing & fixing 24gauge Chicken wire mesh on joints of RCC & Brick work before plastering including nails etc. complete as per the direction of Engineer-in-charge.	8533.39	Sqm	168.75	one hundred sixtyeight and paise seventy five

HR-24917.00 R/C

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10/10/18

		SANITARY FIXTURES & C.P. FITTINGS:				
6	NSI	Providing , Fixing , testing and commissioning of CP Brass Shower Mixer with provision of overhead shower with 115mm long bend pipe, in built spout, spout/shower selector with wall flange complete with all accessories as required and making good the walls wherever required.(MAKE-CERA -Model No-F1014401 or EQUIVALENT.)	108.00	Each	3102.75	three thousand one hundred two and paise seventy five
7	NSI	Providing , Fixing, testing and commissioning of CP Brass 115mm long Shower Arm with wall flange and pressure adjustable Shower Rose complete with all accessories as required and making good the walls wherever required. (MAKE-CERA -Model No-F7040101 FOR SHOWER ARM & CERA MAKE FOR HEAD SHOWER F7020301 or EQUIVALENT.)	108.00	Each	803.55	eight hundred three and paise fiftyfive
8	NSI	Supplying, storing, handling, shifting, installation, testing and commissioning of CP flxible hose, spray, wall flange etc. complete. (1) Kerovit make (Model - KA580002) . (2)Hindware Make(Model-F1600002) Rs.=1570. (3) Parryware Make(Model-T9941A1)Rs.=1600	108.00	Each	1369.55	one thousand three hundred sixty nine and paise fiftyfive
9	NSI	Providing and fixing straight type Macfit single body push fit type WC pan connector with factory supplied spring loaded seal guard of McAlpine, UK with integral single mould sealing fins made of flexible EVA body, including bush/adaptor for use with C.I. Pipe as supplied with the pan connector.	121.00	Each	471.40	four hundred seventy one and paise forty
10	NSI	Providing,Fixing satin finish stainless steel AISI 316 grade wall mounted coat hook on door complete. Jaquar make CAT No-AKP-35791P (2)Hindware Make(Model-Robe Hook F870007) Rs.=1216.	97.00	Each	403.10	four hundred three and paise ten
11	NSI	Providing & fixing hand shower (Health faucet) (ABS Body) with 1mtr long Easy Flex Tube in chrome finish and wall hook. JAGUAR MAKE CAT NO.-ALD-IVY-585 or Equivalent.	61.00	Each	847.25	eight hundred fortyseven and paise twenty five
		SOIL, WASTE, VENT & RAIN WATER PIPES:				

4/12/2017 G.R.C

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10/10/18

10 12	NSI	Providing and fixing uPVC deep seal 'P' trap of self cleansing design with or without vent arm with provision for connecting pvc inlet fittings complete including cost of cutting and making good the walls and floors where ever required.				
		110 mm inlet and 110 mm outlet	130.00	Each	579.10	five hundred seventy nine and paise ten
11 13	NSI	Providing & fixing uPVC inlet fitting with one or more inlets fabricated from 110 mm outer dia uPVC pipe and solvent welded sockets and fixed to uPVC Trap and set in cement concrete as per drawing complete				
		110 mm dia	210.00	Each	713.10	seven hundred thirteen and paise ten
12 14	NSI	Providing and fixing PVC floor drain consisting of 110 x 63 mm elbow (Grating and pipe to be laid separately), complete as per instructions.	355.00	Each	467.10	four hundred sixty seven and paise ten
13 15	NSI	Providing & fixing uPVC floor clean out/End cap plug with suitable insert keys for opening, male threaded joint with connection of soil/waste pipe.				
	i	110 mm outer dia.	180.00	Each	498.55	four hundred nintyeight and paise fiftyfive
3		<u>WATER SUPPLY SYSTEM - INTERNAL</u>				
14 16	NSI	Providing and fixing G.I. Pipe complete G.I. Fittings and clamps including cutting and making good the walls etc. (Internal work)				
	i	65mm dia	425.00	RM	701.80	seven hundred one and paise eighty
	ii	80mm dia	390.00	RM	941.50	nine hundred fortyone and paise fifty
15 17	NSI	Providing and fixing thermal insulation over hot water pipes in chase (internal) with 6 mm thick 'Kaiflex' or approved equivalent thermal insulation tubing, a elastomeric flexible material having hermetic blister closed cell structure of expanded synthetic rubber having density of 60-90 Kg/m3 over pipes of following sizes including all required accessories complete as per Manufactuer's specifications and finishing it with 6mm thick plaster of 1:3 Mix (1 Portland Cement : 3 hard settling cement compound)				
	i	15mm dia	108.00	RM	117.10	one hundred seventeen and paise ten
	ii	20mm dia	404.00	RM	112.50	one hundred twelve and paise fifty

21/10/18

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10/10/18

	iii	25mm dia	194.00	RM	177.70	one hundred seventyseven and paise seventy
	iv	32mm dia	276.00	RM	169.20	one hundred sixty-nine and paise twenty
	v	40mm dia	182.00	RM	177.50	one hundred seventyseven and paise fifty
	vi	50mm dia	656.00	RM	189.00	one hundred eighty-nine
16 18	NSI	Providing and fixing C.I butterfly valve, wafer end type class PN 1.6 as per I.S:13095 or BS:5155, including necessary nuts, bolts, gaskets etc., complete (flanges to be paid separately)				
	i	65mm nominal bore	12.00	Each	1602.00	one thousand six hundred two
	ii	80mm nominal bore	8.00	Each	1744.75	one thousand seven hundred forty-four and paise seventy-five
17 19	NSI	Providing and fixing anitmosquito brass grating 100mm dia. (For water tank only).	4.00	Each	376.00	three hundred seventy six
18 20	NSI	Fixing of Storage type water heater/ Geyser with required accessories like 15 mm CP angle valve on inlet, heavy duty reinforced flexible PVC connector for cold water line and flexible CP brass connector with CP checkout for hot water line, CPVC line connection, MS bracket with two coats of enamel paint, anchor fastners etc to hang the units, providing and fixing of 16 A 3 Pin plug of Anchor make, etc complete as required.				
	i	Capacity 15 Liters (for kitchen)	36.00	Each	8812.85	eight thousand eight hundred twelve and paise eighty-five
	ii	Capacity 25 Liters (for bath)	72.00	Each	10472.10	ten thousand four hundred seventy two and paise ten
19 21	NSI	Providing & Fixing water purifier cum water cooler (VOLTAS or equivalent) made of stainless steel having storage capacity of 40 liter & cooling capacity 40 liter / hour with Reverse osmosis system & ultra violet membrane TDS reduction 90% having automatic back wash system with filtration unit & all other required accessories complete in all respect as per direction of the engineer in charge .	24.00	Each	89665.00	eighty-nine thousand six hundred sixty-five
20	NSI	Solar Water Heating System-500 LPD				

22

21/10/18

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10/10/18

		Providing and fixing Solar Hot Water indirect Heating System using heating liquid medium comprising of flat plate solar panels, including all interconnecting insulated G.I. piping, primary and secondary recirculation pumps, pressure type insulated hot water tank, , outlet, Y stainer and a water meter on the inlet, air release valve all mounted on galvanized MS sections complete with connection with the existing piping. Comparising of following:-				
		Five Nos of. flat plate solar collector panels of 8 Sqm size approx. the panels enclosed in insulated collector boxes with single piece toughned glass 4 mm thick and fixed with heat resistant gasket.				
		One No. Integrated heat exchanger with drain down vessel 9 Ltrs. Capacity,designed so as to provide heat exchange between solar collectors and 500 ltr tank complete with drain down tank. The cold water heated after passing through heat exchanger to be stored in hot water tank. Necessary pumps and controller for automatic operations to be provided. including MS painted frames for the same.				
		M.S Horizontal hot water mixing tank of 500 ltr capacity shall be made out by of 4mm thick M.S. plate and inside lining of 1.0 mm thick stainless steel grade 316 sheet , out side steel primer including 50 mm thick glass wool slab insulation (density of glass wool 64 Kg/Sqm.) & 24 SWG aluminum sheet cladding outside the tank. Tank shall be provided with flanges for inlet outlet, over flow/ drain connection & Vent pipe with M H cover of 450 mm internal dia., Temperature and pressure release valve should be on top of water storage tank All the valve & accessories shall be suitable for an operating pressure of 6.0 kg/sqm including electric back up of 1 x 4.5 KW				
		Primary circulation pump 2 Nos (1W+1S) for circulation of fluid from Solar panels to heat exchanger.				
		Secondary circulation pump 2 Nos (1W+1S) for circulation of fluid from heat exchanger to hot water mixing tank.				

246-49199 R2

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		One Lot of Inter-connected insulated G.I. piping insulated with 9 mm thick nitrile rubber heat resistant insulation sections (Vidoflex or equiv.) and valves with outer mechanical protection of aluminium sheet cladding.				
		Solar Water Heating System as Describe Above	6.00	Set	65233.25	sixtyfive thousand twohundred thirtythree and paise twentyfive
21 23	NSI	Supply , instalation, testing & commissioning of Cubical type branch distribution boards(BDB) of the following types made out of 14 gauge (2 mm thick) CRCA sheet complete with the accessories i/e. interconnections with suitable copper solid strip connections 100 A & above and with copper wires below, painting etc. and complete with supplying & fixing the following boardsetc. as required.				
		Branch Distribution Board for 8x500 LPD System				
		1 No. 125 AMP rating TP Modulded case circuit breakers with neutral link, front operated handle & thermal magneticrelease (35 Ka)				
		1 Set 125 Amp 4 Bars Tinned Cu. Bus Bar				
		1 Set LED type Indication lights				
		1 No. Digital Voltmeter (0-500 V)				
		1 No. Digital Ammeter (0-125 A)				
		1 Set CTs for Ammeter 125/5 A ratio				
		2 Nos. Selector Switched for Voltmeter & Ammeter				
		3 Nos. 2 A SPMCB				
		Outgoing				
		08 Nos 25 A TP MCB , 10 KA (6+2 Spare)				
		06 Nos. Auto DOL Starter for 0.5 KW motor. Each shall have Auto/ Manual selector switch, over load relay, single phasing preventor, ON/OFF/ Trip indication lamps, ON/OFF push Buttons, contactor.				
		03 Nos 63 A TP MCB , 20 KA for Electric back up supply.				
		The System is based on temprature difference and the system will operate automatically based on thermostat for startup and shutdown of Primary,Secondry, Receiculation pump and Heating elements on temprature differential.				

21-11-17

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10/10/18

		Electric Panel as Describe Above.	6.00	Set	50077.75	fifty thousand seventyseven and paise seventyfive
22 24	NSI	Supply, installation, testing & commissioning of vertical inline multistage pumping set (Imported) with Stainless steel-304 body, Stainless steel-304 impeller, Stainless steel-304 casing, shaft of Stainless steel-316 and C.I. base & head with mechanical seal, connected to a TEFC induction motor suitable for 415+/- 10% volts, 3 phase 50 cycles A.C. supply with 150 mm dia pressure gauge with gunmetal isolation cock, vibration eliminating pads under foundations, 80x40 mm I section base plate bolted to cement concrete foundations complete. Vendor to submit performance curves and technical catalogue of the proposed model for review and information.				
	i	Hot Water Recirculation Pumps				
		Set of two pumps (1 Working + 1 Standby)				
		Capacity - 10 LPM				
		Head - 12.0 Mtr.				
		H.P. - 1.0 HP (Approx.)	3.00	Set	60092.90	sixty thousand nintytwo and paise ninty
	ii	Solar Hot Water Recirculation Pumps				
		Set of two pumps (1 Working + 1 Standby)				
		Capacity - 5 LPM				
		Head - 12.0 Mtr.				
		H.P. - 1.0 HP (Approx.)	3.00	Set	15023.75	fifty thousand twentythree and paise seventyfive
		<u>EXTERNAL PLUMBING WORKS</u>				
		<u>EXTERNAL - WATER SUPPLY, SEWERAGE AND STORM WATER DRAINAGE SYSTEM</u>				

246-1910-10-10-10-10

Chief Engineer
R S E I D C. Ltd, Patna
10/10/18

		RAIN WATER HARVESTING PIT				
23 25	NSI	Cost of drilling 200mm x150mm x230 meter deep bore well in all kind of soil and rock in rural or any other area for installation of pump sets with hydraulic DTH Rig machine all complete including supplying all materials tools drilling rig and air compressor and equipments, as well as fuel lubricant transportation of Rig machine and other vehicles upto the site including cost of flusing charges, geological investigation etc all complete.				
		(i) From 0-50 meter	50.00	RM	775.15	seven hundred seventy five and paise fifteen
		(ii) From 50 - 200 meter onwards				
		<u>ELECTRICAL WORKS</u>				
24 26	NSI	Supply, installation, testing and commissioning of following krone type tag blocks enclosed in MS enclosure of suitable size with lockable cover.				
	i	10 pair Tag block	6.00	Each	1397.20	one thousand three hundred nintyseven and paise twenty
	ii	50 pair Tag block	1.00	Each	3529.65	three thousand five hundred twentynine and paise sixtyfive
25 27	NSI	Supplying of bulkhead LED luminaire suitable for 10W LED lamp comprising of single piece pressure die-cast aluminium housing, powder coated, accommodating lamp holder and the aluminium gear tray assembly with ballast, heat resistant and toughened opal acrylic cover along with a gasket etc. prewired upto the terminal block complete as reqd. (Bajaj cat no. - BIBWP 10W LED)	54.00	Each	2246.15	two thousand two hundred fortysix and paise fifteen
26 28	NSI	Supplying of surface mounted LED luminar	72.00	Each	4705.90	four thousand seven hundred five and paise ninty
27 29	NSI	Supplying of surface mounted ceiling light suitable for 1 x 18 W LED lamp duly powder coated and complete with all accessories, LED lamp etc. as required. (BAJAJ CAT NO. BGCML 18 095 WH)	613.00	Each	4305.25	four thousand three hundred five and paise twentyfive
28 30	NSI	Supplying of general purpose batten suitable for 18W LED lamp with aluminium symmetric reflector for surface mounting on the wall or ceiling, housing made of CRCA sheet steel, powder coated, high frequency ballast, suitable for 18W LED lamp etc. complete as required				

21/10/17 A.C. Dore

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10/10/18

	I	Single Box type - 1 x 18W LED lamp (BAJAJ CAT NO. LED TUBE LIGHT 18W)	353.00	Each	1734.85	one thousand seven hundred thirtyfour and paise eightyfive
	II	Twin Box type - 2 x 18W LED lamp (BAJAJ CAT NO. LED TUBE LIGHT 2X18W)	18.00	Each	7958.15	seven thousand nine hundred fiftyeight and paise fifteen
29 31	NSI	Supply, installing, testing & commissioning of street light for bajaj cat no. complete with all accessories as required. (Bajaj cat -BRTFG 45W LED)	7.00	Each	9411.65	nine thousand four hundred eleven and paise sixtyfive
30 32	NSI	Supplying of indoor decorative wall mounting bracket with frosted glass including with 1X9 W lamp complete all accessories as required. (HI-LITE CAT-HL 2609)	398.00	Each	1175.15	one thousand one hundred seventyfive and paise fifteen
		MAIN BOARD FOR (NORMAL)				
31 33	NSI	Supplying, installing, testing & commissioning of compartmentalised wall mounted / floor mounted cubicle board made from 2mm thick CRCA sheet dust & vermin proof duly phosphatized & powder coated inclusive of suitable size 4 strip Al. Busbar complete with interconnection providing Lugs, inter-earthing, painting etc. i/c providing & fixing below noted accessories:				
		INCOMING :				
		160 Amp FP MCCB having breaking capacity - 35 KA with Ics=Icu=35 KA, with Rotary Handle operating Mechanism - 1 No.				
		(0-160 A) Digital Ammeter with selector switch & 160/5 C.T.'s - 1 Set				
		(0-500 V) Digital Voltmeter with selector switch - 1 Set				
		Indication lamp R/Y/B with backup MCB - 1 Set of Three				
		BUSBAR:				
		200 Amp. 4 strip Al. Busbar.				
		OUTGOING :				
		63A Amp TP MCCB having breaking capacity - 25 KA with Rotary Handle operating Mechanism - 1 No.				
		63A Amp TP MCB having breaking capacity - 15/16 KA - 13 No.	1.00	Set	85830.90	eightyfive thousand eight hundred thirty and paise ninty

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10/10/18

		MAIN BOARD FOR (ESSENTIAL)				
22 34	NSI	Supplying, installing, testing & commissioning of compartmentalised wall mounted / floor mounted cubicle board made from 2mm thick CRCA sheet dust & vermin proof duly phosphatized & powder coated inclusive of suitable size 4 strip Al. Busbar complete with interconnection providing Lugs, inter-earthing, painting etc. i/c providing & fixing below noted accessories:				
		INCOMING :				
		160 Amp FP MCCB having breaking capacity - 35 KA with Ics=Icu=35 KA, with Rotary Handle operating Mechanism - 1 No.				
		(0-160 A) Digital Ammeter with selector switch & 160/5 C.T.'s - 1 Set				
		(0-500 V) Digital Voltmeter with selector switch - 1 Set				
		Indication lamp R/Y/B with backup MCB - 1 Set of Three				
		BUSBAR:				
		200 Amp. 4 strip Al. Busbar.				
		OUTGOING :				
		100 Amp TP MCCB having breaking capacity - 25 KA with Rotary Handle operating Mechanism - 1 No.				
		63 Amp TP MCCB having breaking capacity - 25 KA with Rotary Handle operating Mechanism - 1 No.				
		63A Amp TP MCB having breaking capacity - 13 No.	1.00	Set	91912.65	nintyone thousand nine hundred tweleve and paise sixtyfive
		METER BOARD-1 (NORMAL)				
23 35	NSI	Supplying, installing, testing & commissioning of compartmentalised wall mounted / floor mounted cubicle board made from 2mm thick CRCA sheet dust & vermin proof duly phosphatized & powder coated inclusive of suitable size 4 strip Al. Busbar complete with interconnection providing Lugs, inter-earthing, etc. i/c providing & fixing below noted accessories:				
		INCOMING :				
		400 Amp FPMCCB having breaking capacity - 35 KA with Ics=Icu with Rotary Handle operating Mechanism - 1 No.				
		(0-400 A) Digital Ammeter with selector switch & 400/5 C.T.'s - 1 Set				

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10/10/18

		(0-500 V) Digital Voltmeter with selector switch - 1 Set				
		Indication lamp R/Y/B with backup MCB - 1 Set of Three				
		BUSBAR:				
		450 Amp. 4 strip Al. Busbar.				
		OUTGOING :				
		200 Amp TP MCCB having breaking capacity - 25 KA - 1 Nos.				
		63 Amp TP MCB having breaking capacity - 10 KA - 16 Nos.				
		Space for 20 Amp three phase energy meter - 16 Nos.	1.00	Set	102940.35	one lakh two thousand nine hundred forty and paise thirtyfive
		METER BOARD-2 (NORMAL)				
24 36	NSI	Supplying, installing, testing & commissioning of compartmentalised wall mounted / floor mounted cubicle board made from 2mm thick CRCA sheet dust & vermin proof duly phosphatized & powder coated inclusive of suitable size 4 strip Al. Busbar complete with interconnection providing Lugs, inter-earthing, etc. i/c providing & fixing below noted accessories:				
		INCOMING :				
		200 Amp FPMCCB having breaking capacity - 35 KA with Ics=Icu with Rotary Handle operating Mechanism - 1 No.				
		(0-200 A) Digital Ammeter with selector switch & 200/5 C.T.'s - 1 Set				
		(0-500 V) Digital Voltmeter with selector switch - 1 Set				
		Indication lamp R/Y/B with backup MCB - 1 Set of Three				
		BUSBAR:				
		250 Amp. 4 strip Al. Busbar.				
		OUTGOING :				
		63 Amp TP MCB having breaking capacity - 10 KA - 20 Nos.				
		Space for 20 Amp three phase energy meter - 20 Nos.	1.00	Set	94663.45	nintyfour thousand six hundred sixtythree and paise fortyfive

21/10/18

Chief Engineer
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10/10/18

		ESSENTION MAIN BOARD -				
35 37	NSI	Supplying, installing, testing & commissioning of compartmentalised wall mounted / floor mounted cubicle board made from 2mm thick CRCA sheet dust & vermin proof duly phosphatized & powder coated inclusive of suitable size 4 strip Al. Busbar complete with interconnection providing Lugs, inter-earthing, etc. i/c providing & fixing below noted accessories:				
		INCOMING :				
		100 Amp FP MCCB having breaking capacity - 35 KA with Ics=Icu with Rotary Handle operating Mechanism - 1 No.				
		(0-100 A) Digital Ammeter with selector switch & 100/5 C.T.'s - 1 Set				
		(0-500 V) Digital Voltmeter with selector switch - 1 Set				
		Indication lamp R/Y/B with backup MCB - 1 Set of Three				
		BUSBAR:				
		150 Amp. 4 strip Al. Busbar.				
		OUTGOING :				
		100 Amp TP MCCB having breaking capacity - 25 KA - 1 Nos.				
		63 Amp TP MCB having breaking capacity - 10 KA - 1 Nos.				
		Space for 20 Amp three phase energy meter - 1 Nos.	1.00	Set	49963.70	fortynine thousand nine hundred sixtythree and paise seventy
		MAIN BOARD FOR LIFT				
36 38	NSI	Supplying, installing, testing & commissioning of compartmentalised wall mounted / floor mounted cubicle board made from 2mm thick CRCA sheet dust & vermin proof duly phosphatized & powder coated inclusive of suitable size 4 strip Al. Busbar complete with interconnection providing Lugs, inter-earthing, painting etc. i/c providing & fixing below noted accessories:				
		INCOMING :				
		100 Amp FP MCCB having breaking capacity - 25 KA with Ics=Icu with Rotary Handle operating Mechanism - 1 No.				
		(0-100 A) Digital Ammeter with selector switch & 100/5 C.T.'s - 1 Set				
		(0-500 V) Digital Voltmeter with selector switch - 1 Set				

21/10/18

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10/10/18

		Indication lamp R/Y/B with backup MCB - 1 Set of Three				
		BUSBAR:				
		150 Amp. 4 strip Al. Busbar.				
		OUTGOING :				
		80 Amp TP MCCB having breaking capacity - 25 KA with Rotary Handle operating Mechanism - 2 Nos.				
		40A DP Isolater -1 No	2.00	Set	38245.75	thirtyeight thousand two hundred fortyfive and paise seventyfive
37 39	NSI	Supplying, installing, testing & commissioning of 20 Amp. Three phase digital type energy meter with LCD display. I/C fixing arrangement in the existing cubical board.	37.00	Nos.	4947.00	four thousand nine hundred fortyseven
40 38	NSI	Amplifiers :				
		Supplying, installing, testing & commissioning of 1000 W PA amplifier 8 mic. & 4 Aux inputs, power out put 1350W max., 1000W RMS at 10% THD, aux-4 input is through RCA socket specially for connecting CD/DVD player, Outout for connecting to a booster amplifier & for recording the programme all accessories etc. as required.	2.00	Each	57457.90	fiftyseven thousand four hundred fiftyseven and paise ninty
39 37	NSI	Announcement points :				
		Supplying, installing, testing & commissioning of PA microphone, high output neodymium cartridge, excellent intelligibility & wide frequency responce, attractive appearance etc. as required.	3.00	Each	1440.75	one thousand four hundred forty and paise seventyfive
40 35	NSI	Speakers :				
		Supplying, installing, testing & commissioning of 15 W/100V wall mounted column speaker, indoor & outdoor applications, aluminium extruded cabinet with die-cast aluminium covers etc. as required.	36.00	Each	3647.60	three thousand six hundred fortyseven and paise sixty

24/11/2018

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10/10/18

41 46	NSI	Supply & laying of 2 core x 1.5 sq mm annealed copper conductor silicon rubber insulated along with tinned annealed copper earth conductor covered with electrostatic screen of aluminum / polyester tape, outer sheathed with Low Smoke zero halogen (LSZH) fire survival cable / fire resistant conforming to BS-6387 CWZ, LPCB in existing conduit/ suface certified complete with connectors etc. as required	2200.00	Mtr	116.90	one hundred sixteen and paise ninty
42 47	NSI	Supplying, installing, testing & commissioning of 2 Zone Conventional Panel Fully compliant with & tested to BS EN54-2 and BS EN54-4,2-wire repeaters and ancillary boards,Fully programmable using simple menu options,Simple, single board construction,Two monitored sounder outputs,3 Amp power supply ,Auxiliary power output , Surface 385W x 310H x 90D. (CEASEFIRE CAT- CF-HFP CP-2)	2.00	Nos	30278.10	thirtythousand two hundred seventyeight and paise ten
43 48	NSI	Supplying, installing, testing & commissioning of Conventional manual call point (C/O,W/O RES) Compliant with EN54-11:2001,Terminals can accommodate up to a 2.5mm ² solid conductor,Other colours available on request,Approved by LPCB (CEASEFIRE CAT - CF-CCP-E)	24.00	Nos	1729.75	one thousand seven hundred twenty-nine and paise seventyfive
44 49	NSI	Supplying, installing, testing & commissioning of Conventional sounder with Robust design,Low current consumption,Easy to install,Maximum 112dB(A) at 1 metre (dependant on tone selected),32 user-selectable tones,Approved by LPCB.(CEASEFIRE CAT- CF-BANSHEE)	24.00	Nos	4974.65	four thousand nine hundred seventyfour and paise sixtyfive
45 50	NSI	Supplying, installing, testing & commissioning of 24V DC power supply for hooter.	2.00	Nos	2883.65	two thousand eighthundred eightythree and paise sixtyfive
		SUBHEAD -IX CCTV SYSTEM				

21/2/2019 a.c. RAC

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10/10/18

46 51	NSI	Supply, installation, testing & commissioning of INDOOR DOME CAMERA 420TV Lines Resolution, Panoramic 180° Camera Video1, Video2, Limitless Observation Angle 180° (90° + 90°), Viewing Angle without Blind Spot, TV System (NTSC, PAL), No of Pixels - NTSC=510(H) * 492(V) / PAL=500(H) * 582(V), Scanning System -2:1 Interlace, Minimum Illumination - 0.1 Lux, More than 46dB S/N Ratio, Gamma Characteristic is $\gamma=0.45$, Video Output - CBS1/CVBS2 : 1.0Vp-p 75ohm, Electronic Shutter Time - NTSC=1/60sec~1/100,000sec / PAL=1/50sec~1/100,000sec, DC 12V Power Supply , Power Consumption is 250mA, Lens - 3.8mm+3.8mm Fixed Board Lens(180°), , Operational Temp. / Humidity (-10 ~ +50 Deg C. RH 95% Max.)Dimension - 117mm(W) * 210mm(H) * 137mm(D), Weight - 2000gms . (CEASE FIRE CAT NO-1CS401)	6.00	no	38824.85	thirtyeight thousand eight hundred twentyfour and paise eightyfive
47 52	NSI	Supply, installation, testing & commissioning of 10X TRUE BULLET DAY / NIGHT AF ZOOM INDOOR CAMERA 520 TV Lines, Resolution, Zoom Lens (3.8mm-38mm), Powerful 10X Optical Zoom and 10X Digital Zoom, True day.night capability 850mm IR LED's * 35pcs, 1/4" Sony Interline Transfer CCD, wide range auto white balance, motion detection, privacy masking with multi programmable zone, focus control with wireless remote controller-option, effective pixels NTSC=768(H) x =752(H) x 582(V), scanning system - 2:1 interlace, frequency - NTS=15.734KHz(H), 59.94Hz(V) PAL=15.625KHz(H), 59.94Hz(V), video output-CVBS: 1.0Vp-p(75 Oms Load), S/N Ratio(Y signal)50dB (AGC OFF), minimum illumination-0.005Lux (sens-up * 128X) CDS off: 0.7Lux/CDS on 0.00006Lux, Gain control (OFF,Normal,High), white balance ATW / AWC / MANUAL (1800° K ~ 10500° K), FOCUS AUTO, CAMERA TITLE- off / on(DISPLAYED 15 CHARACTERS), BACK LIGHT COMPENSATION (Off, Low, Middle, High/selectable), shutter speed AUTO / ELK	30.00	no	42419.25	forty two thousand four hundred nineteen and paise twentyfive

24/12/2018 RSC

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10/10/18

48 9	NSI	Supply, installation, testing & commissioning of DNR BULLET DAY / NIGHT WEATHER PROOF IR OUTDOOR CAMERA 560 TV Lens, (3.4mm-11mm), true day.night capability 850mm IR LED's * 35pcs, Third-Generation DSP Chip, Highest Resolution: Vivid sharp pictures in complete darknezz. Auto Focus Technology, Focus control with wireless controller-option, TV system (NTSC, PAL), Total pixels (NTSC =811(H) * 508(V) / PAL=795(H) * 596(V), Scanning system is 2:1 Interlace, minimum illumination-0.002Lux (sens up * 128X) CDS off: 0.1Lux/CDS on 0.00006Lux, more than 50dB S/N ratio, white balance A / W / AWBC / MANUAL (1800° K ~ 10500° K), Gamma characteristic $\gamma=0.45$, video output CVBS : 1.0Vp-p 75ohm, electronic shutter speed NTSC=(1/60sec ~ 1/120000sec) / PAL=1/50sec ~ 1/120000sec), OSD,BLC,AGC,DNR,Day & Night(Color) - On/Auto selectable, (Electrical) Sharpness On/Off (Level Adjustable), Privacy (4 Programmable Zone), Power Supply - DC 12V, Power Consumption 120mA CDS ON 500Ma Max. Operational Tem. / Humidity (-10 ~ + 50 Deg C. RH 95% Max), Dimension: 88(W)*105(H)*222(D). Weight-1600gms. (Cease Fire CAT NO-1CS402)	1.00	no	24265.40	twentyfour thousand two hundred sixtyfive and paise forty
49 54	NSI	Supply, installation, testing & Commissioning DVR 16 CHANNEL: Video Mode: NTSC/PAL, Operating System : Embedded Linux, Compression: H-264 / G.723 (Audio), VideoInput: 16Ch, Video Output: 16 Loop out, 1BNC, 1VGA, 1Spot, [Speed] Live Display: 480fps(NTSC) , 400fps 240fps(PAL), [Speed] Recording:480fps(NTSC) ,400fps 240fps(PAL), Recording Resolution: NTSC - D1 (704 x 480), Field (704 x 240), CIF (352 x 240), PAL - D1 (704 x 576),Field (704 x 288), CIF (352 x 288), Live Display: 1/4/9/16/Sequence, LCD Display Resolution: SXGA (1280 x 1024), TV Display Resolution:NTSC - SDTV (720 x 480), PAL - SDTV (720 x 576), Recording Mode: Auto, Continuous, Motion, Sensor, Audio: Input (4Ch), Output (1Ch),Sensor/Relay: Sensor input (16Ch), Relay output (4Ch-NC/NO) (1Ch), TTL (3Ch), HDD Capacity: Max. 2HDD, Backup: USB 2.0, DVD-RW,Network, Network: ADSL, Cable Modem, LAN (Ethernet), Power Supply: DC 12V/5A, Power Consumption: 40W, Operating Temperature:-5 ~ 40°C Weight: 4000 gms	3.00	no	97062.60	ninty seven thousand sixty two and paise sixty

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10/10/18

50 55	NSI	Supply and fixing of 22" inches E 2251 VR CCTV monitor (MAKE-LG/Samsung)	3.00	no	13308.90	thirteen thousand three hundred eight and paise ninty
51 56	NSI	Supplying and Laying of RG 59 cable in existing steel / PVC conduit as required.	1500.00	Mtr	30.90	thirty and paise ninty
		SUBHEAD - X - SOLAR ROOF TOP POWER GENRATION PLANT				
52 57	NSI	SITC 10 KW OFF GRID ROOF TOP SOLAR PV SYSTEM COMPLETE WITH ALL EQUIPMENTS & ACCESSORIES .LIKE SOLAR INVERTER , SOLAR PANEL , MOUNTING STRUCTURE , STORAGE BATTERIES FOR 2 DAY'S AC,DC DB , AC/ DC CABLE, CONDUITS , CHEMICAL EARTHING & ALL HARDWIRES ECT AS REQUIRED.	2.00	JOB	303824.00	three lakh three thousand eight hundred twentyfour
		Fire Fighting Work				
		FIRE PUMPS & HYDRANT WORKS				
		FIRE PUMPS - ELECTRICAL				
53 58	NSI	Supply, installation, testing and commissioning of Terrace fire pump comprising of the following including Motor control centre with DOL starter and incommer MPCB and load protector:				
		a. Horizontal mono-block centrifugal pump, suitable for operation on 415 volts $\pm$ 6%, 3 phase, 50 HZ A.C supply.				
		The pump casing shall be CI, shaft shall be CS & impeller / shaft sleeve / casing wearing ring shall be bronze. The system shall be complete with necessary pressure gauge with gun metal shut off cock on delivery side. (The pump should meet the condition and shall be gotten approved by the Local fire Authority).				
		b. Squirrel cage induction motor TEFC type for operation on 415 V, 3 phase 50 HZ AC supply for the above pump with a synchronous speed of 2900 R.P.M.				
		c. Suitable cement concrete foundation with plaster, (design and drawing to be provided by the Contractor while the foundation will be done by others) complete with Antivibration arrangement of cushy foot mounting.				
		Flow : 900 LPM				

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10/10/18

		Head : 25 mts	2.00	Set	121851.75	one lakh twentyone thousand eight hundred fiftyone and paise seventyfive
84 59	NSI	Supply, installation, testing, trial run and commissioning of hydrants all complete as required and as approved				
		Internal hydrants/landing valves generally as specified and all complete with:				
		63mm dia single outlet landing valve IS marked with suitable size bolts, nuts, washers and gaskets. Landing valve shall be TAC Approved Make.				
		First aid hose reel with 25 mm dia, 30 m long rubber hose, ball valve, piping and nozzle				
		63mm reinforced rubber hoses (RRL) with male and female GM coupling, IS marked- 15 m x 2 lengths				
		standard short size gunmetal branch pipe with nozzle of 20mm nominal bor outlet with instantaneous type 63 mm dia coupling complete IS marked & TAC approved.				
		Fire Axe				
		Aluminium powder coated 1200x2100 door capable of accommodating fire hose reel, landing valve, hose pipes, fittings, 1 No. Water CO2 & 1 No. CO2 type portable fire extinguishers & accessories. The door shall have a front glass with lock and key arrangement & shall be painted with post office red colour (approval shall be taken on the basis of submitted sample before ordering) Cost of fire extinguishers not included in item rate				
		Liasioing with civil contractor for making 1200x600x2100 Recessed type mansoary box (by civil contractor).	24.00	Each	43121.60	fortythree thousand one hundred twentyone and paise sixty
85 60	NSI	External/Terrace hydrant/landing valve IS marked of gunmetal with generally as specified and as required all complete.				
		63mm dia single outlet landing valve IS marked with suitable size bolts, nuts, washers and gaskets. Landing valve shall be TAC Approved Make.				
		63mm reinforced rubber hoses (RRL) with male and female GM coupling, IS marked- 15 m x 2 lengths				
		standard short size gunmetal branch pipe with nozzle of 20mm nominal bor outlet with instantaneous type 63 mm dia coupling complete IS marked & TAC approved.				

21/2/2018 A.G. Dik

Chief Engineer
R.S.E.I.D.C. Ltd, Patna
10/10/18

		TAC approved M.S. fire hose cabinet (900x350x750mm) made out of 16 gauge M.S. sheet capable of accommodating landing valve, hose pipes, fittings & accessories. The box shall have a front glass door with lock and key arrangement & shall be painted with post office red colour (approval shall be taken on the basis of submitted sample before ordering)	3.00	Each	26848.65	twentysix thousand eight hundred fortyeight and paise sixtyfive
56 61	NSI	Supply, installation, testing and commissioning brass orifice plates in pipelines to reduce pressure from 8 kg. to 3.5 kg/sq.cm.	9.00	Each	1244.20	one thousand two hundred fortyfour and paise twenty
57 62	NSI	Providing, installing, testing & commissioning of fire brigade inlet connection (fire department connection) consisting of 3 Nos. 63 mm dia instantaneous inlet arranged on a 50 mm dia header, 1 No. 150 mm diameter sluice valve, 1 No. 150mm dia. Non-return valve and wall mounted box of M.S. construction with glass door to house the above mentioned components.	2.00	Set	41650.00	fortyone thousand six hundred fifty
58 63	NSI	Providing, installing, testing & commissioning of fire brigade Draw out Connection (fire department connection) consisting of 2 Nos. 63 mm dia instantaneous inlet arranged on a 50 mm dia header, 1 No. 150 mm diameter sluice valve, 1 No. 150mm dia. Non-return valve and wall mounted box of M.S. construction with glass door to house the above mentioned components.	1.00	Set	35459.90	thirtyfive thousand four hundred fitynine and paise ninty
59 64	NSI	Providing and fixing C.I. double acting air valves of approved quality with bolts, nuts, rubber insertions etc.comp;ete (The tail pieces, tapers etc. if reqd. will be paid separately) 25 mm dia.	2.00	Each	1186.85	one thousand one hundred eightysix and paise eightyfive
		PIPING & VALVES FOR FIRE FIGHTING SYSTEM				
60 65	NSI	Supply, fabrication & laying heavy grade IS marked black mild steel piping complete with all fittings, pipe supports, clamps etc. as approved with weleded jointing for external hydrant system. These pipes shall be provided with 2mm thick weather proof treatment like covering with pypkote complete				
	i	150 nominal bore	182.00	Meter	2128.20	two thousand one hundred twentyeight and paise twenty
	ii	80 nominal bore	19.00	Meter	986.00	nine hundred eightysix

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna

10/10/18

61 66	NSI	Supply and installation of Butterfly Valves with matching flanges generally as specified all complete.				
	i	80 nominal bore	6.00	Each	7582.00	seven thousand five hundred eightytwo
	ii	150 nominal bore	10.00	Each	23031.85	twentythree thousand thirtyone and paise eightyfive
62 67	NSI	Providing and laying cast iron non-return valve IS marked with flanges generally as specified complete				
	i	150 nominal bore	3.00	Each	9492.40	nine thousand four hundred nintytwo and paise forty
63 68	NSI	Supply, fabrication & laying heavy grade IS marked black mild steel piping complete with all fittings, pipe supports, clamps, painting etc. as approved with threaded and welded jointing for Wet Riser System.				
		Note:				
	A	Threaded joint upto 50mm diameter pipe.				
	B	Welded joint above 50mm diameter pipe.				
	i	150 mm nominal bore	69.00	Rm	2128.20	two thousand one hundred twentyeight and paise twenty
	ii	80 mm nominal bore	19.00	Rm	986.00	nine hundred eightysix
	iii	25 mm nominal bore	72.00	Rm	292.20	twohundred nintytwo and paise twenty
64 69	NSI	Providing and fixing C.I. double acting air valves of approved quality with bolts, nuts, rubber insertions etc.comp;ete (The tail pieces, tapers etc. if reqd. will be paid separately) 25 mm dia.	2.00	Each	1186.85	one thousand one hundred eightysix and paise eightyfive
		FIRE EXTINGUISHERS				
65 70	NSI	Providing, storing, handling, shifting, installation, testing and commissioning of portable fire Extinguishers as described below:				
	i	ISI marked (IS:15683) 4.5 kg carbon dioxide extinguisher, IS marked, with high pressure discharge tube, horn, control valve, CCE approved cylinder	30.00	Nos.	7389.70	seven thousand three hundred eighty-nine and paise seventy
	ii	ISI marked (IS:15683) 6 kg Mono Ammonium Phosphate (ABC) type cartridge operated extinguishers	30.00	Nos.	6158.25	six thousand one hundred fiftyeight and paise twentyfive

216-24010-2 202

Chief Engineer
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10/10/18

		Lift Work				
66 71	NSI	Supply, installation, testing & commissioning of 8 passenger (544 Kg) lifts (OTIS / KONE or equivalent) having contract speed of 1.5 MPS serving different floors in the lift shaft. Lift will be complete with combined luminous hall button with seven segment digital hall position indicator at all floor, car operating panel with luminous buttons, seven segment digital car position indicator combined with direction arrows, overload warning indicator, battery operated alarm bell and emergency light, fireman's switch at main lobby enclosed and as under:-				
		1) DESIGN OF LIFTS - PASSENGER TYPE				
		2) CAPACITY - 8 PASSENGER / 544 KG				
		3) SPEED - 1.5 m/s				
		4) DRIVE - V3F				
		5) MACHINE ROOM LOCATION TERRACE				
		6) TRAVEL - 15.8 Mtr. (Approximate)				
		7) FLOORS - GROUND FLOOR TO FIFTH FLOOR				
		8) NO. OF STOPS - 6 Stops				
		9) REQUIRED WELL SIZE - As per architecture.				
		10) POWER SUPPLY - 415 V - 3 Phase 50 HZ AC				
		11) AUXILIARY - Single Phase 220 V AC				
		12) CAR SIZE - As per specification				
		13) PIT DEPTH - 1600 MM				
		14) CAR ENCLOSURE				
		a) CAR CEILING - SS HAIRLINE FINISH				
		b) CAR PANELS - SS HAIRLINE FINISH				
		c) ILLUMINATION - FLUORESCENT LIGHT				
		d) CAR FLOORING - 20 MM RECESS (FLOORING BY CUSTOMER)				
		15) NO. OF ENTRANCE - ONE LOCATION FRONT				
		16) CAR ENTRANCE - AUTOMATIC COPD DOORS IN SS HAIRLINE FINISH				
		17) DOOR SAFETY - FULL HEIGHT INFRARED LIGHT CURTAIN				

2d/2401/9.0.0.0

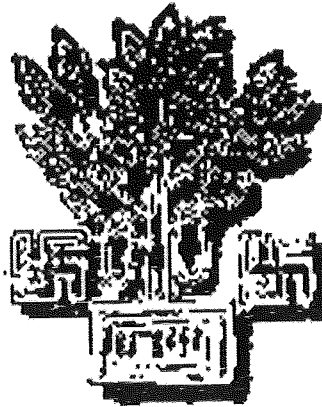
Chief Engineer
S.E.I.D.C. Ltd, Patna
10/10/18

		18) LANDING ENTRANCE - AUTOMATIC COPD DOORS IN SS HAIRLINE FINISH				
		19) CONTROL - SELECTIVE COLLECTIVE SIMPLEX				
		20) ARD - TO BE PROVIDED	4.00	Set	892500.00	eight lakh nintytwo thousand five hundred
					Total Part B Amount (Rs.) in Digit =	38977963.51
NOTE : All the Required Columns of the Financial Bid shall be Duly filled in. Rate to be filled both in the Digit & Word.					Total Part B Amount (Rs.) in Word =	three crore eightynine lakhs seventy seven thousand nine hundred sixty three and paise fifty one
1. PART -A (SOR -ITEM)						
AMOUNT (RS) EXCLUDING 10.00% BELOW						19,60,69,500/-
2. PART -B (NS ITEM)						
AMOUNT (RS)						3,89,77,964/-
TOTAL AMOUNT (RS) (PART-A +PART-B)						23,50,47,464/-
Tender approved in favour of Sachchidanand Singh for PART-A @ 10.00 % (Ten Decimal Zero Zero Percent) Below BOQ Rate & PART-B @ Item Rate basis i.e total amount comes to RS. 23,50,47,464/- (Rs. Twenty Three Crores Fifty Lac Forty Seven Thousand Four Hundred Sixty Four Only)						

216-21010-0210

10/10/18
Chief Eng neer
B.S.E.I.D.C. Ltd, Patna
10/10/18

67



GOVERNMENT OF BIHAR

STANDARD BIDDING DOCUMENT
PROCUREMENT
OF
CIVIL WORKS

216-401 A-C 2d'e

Seal and Signature of Tenderer

Chief Eng neer
BSEIDC. Ltd, Patna
10/10/11

BIHAR STATE EDUCATIONAL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.

24/10/18

Seal and Signature of Tenderer

✓
Chief Engineer
B.S.E.I.D.C. Ltd, Patna

10/10/18

STANDARD BIDDING DOCUMENT

PROCUREMENT OF CIVIL WORKS

24/10/18

Seal and Signature of Tenderer

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

**BIHAR STATE EDUCATIONAL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(A Govt. Of Bihar Undertaking)**

**Shiksha Bhawan, Bihar Rastrabhasa Parishad Campus
Acharya Shiv Pujan Sahay Path, Saidpur, PATNA-800004.**

**NATIONAL COMPETITIVE BIDDING
(CIVIL WORKS)**

1. **NAME OF WORK :** Construction of Girls Hostel (G+5) & Staff Quarter (G+5) in the campus of Chandragupta Institute of Management, Mithapur Patna Under Phase-II in Bihar.

<u>Sl. No.</u>	<u>District</u>	<u>Name of Building</u>
1	Patna	Girls Hostel (G+5) & Staff Quarter (G+5) in the campus of Chandragupta Institute of Management, Mithapur Patna Under Phase-II.

2. **PERIOD OF CONSTRUCTION** : 15 Months.
3. **DATE OF ISSUE OF NOTICE INVITING BID** : 23.11.2017
4. **PERIOD AND PLACE OF SALE OF BID DOCUMENT** : FROM : 04-12-2017 To 13-12-2017, 15.00 Hours
on Website : www.eproc.bihar.gov.in
5. **TIME, DATE AND PLACE OF PRE- BID MEETING** : TIME : 16:00 HOURS, Date : 08-12-2017, in the office of Managing Director, BSEIDC, Patna.
6. **LAST DATE AND TIME FOR RECEIPT OF BIDS** : DATE : 14-12-2017, TIME; 15:00 HOURS
on Website : www.eproc.bihar.gov.in
7. **LAST DATE AND TIME FOR RECEIPT OF EARNEST MONEY** : DATE : 15-12-2017, TIME; 15:00 HOURS
on Website : www.eproc.bihar.gov.in
8. ***TIME AND DATE OF OPENING TECHNICAL BIDS** : DATE : 15-12-2017, TIME: 16:30 HOURS
on Website : www.eproc.bihar.gov.in
9. ***TIME AND DATE OF OPENING FINANCIAL BIDS** : DATE : 22-12-2017, TIME: 15:30 HOURS
on Website : www.eproc.bihar.gov.in
10. **PERIOD OF BID VALIDITY** : 120 Days.
11. **OFFICER INVITING BIDS** : Chief Consultant Technical, BSEIDC, Patna.
- *Should be the same as for the deadline for receipt of bids or promptly thereafter.*

Handwritten signature
Seal and Signature of Tenderer

✓
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
Handwritten signature
10/11/17

69

**INVITATION FOR BID
(IFB)**

24/10/18

Seal and Signature of Tenderer

✓
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18



बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लिमिटेड

(बिहार सरकार का एक उपक्रम)

शिक्षा भवन, बिहार राष्ट्रभाषा परिषद् कैम्पस, आचार्य शिवपुजन सहाय पथ, सैदपुर, पटना-800004 (दूरभाष:-0612-2910314)

निविदा आमंत्रण सूचना संख्या- 72 वर्ष 2017-18

प्रतिशत दर निविदा

(केवल ई-टेंडरिंग पद्धति के अनुसार वेबसाइट www.eproc.bihar.gov.in पर)

1. बिहार राज्य के अन्तर्गत विभिन्न भवनों का निर्माण कार्य हेतु प्रतिशत दर निविदा आमंत्रित की जाती है। कोई भी संवेदक जो केन्द्रीय/राज्य सरकार/सार्वजनिक क्षेत्रों में निबंधित हो, निविदा में भाग ले सकते हैं परन्तु इस निगम का रजिस्ट्रेशन, उक्त कार्य का लेटर ऑफ एक्स्पेरेन्स प्राप्त होने के बाद कराना होगा।

क्रमांक	कार्य का नाम	प्राक्कलित राशि (लाख रु० में)	अग्रधन की राशि (लाख रु० में)	परिमाण विपत्र का मूल्य (रु० में)	Beltron Bid Processing Fee (In Rs.)	कार्य समाप्ति की अवधि
1	Construction of Girl's Hostel (G+5) & Staff Quarter (G+5) in the Campus of Chandragupta Institute of Management, Mithapur, Patna Under Phase II.	2632.00	36.32	10,000/-	As appeared on the website	15 माह

(1) नोट:- (i) प्राक्कलित राशि घट या बढ़ सकती है एवं तदनुसार अग्रधन की राशि घट या बढ़ सकती है।

(ii) वेबसाइट-www.eproc.bihar.gov.in पर अंकित प्राक्कलित राशि, अग्रधन की राशि एवं परिमाण विपत्र की राशि अंतिम रूप से मान्य होगा।

(2) विज्ञापन निर्गत करने की तिथि

:- दिनांक:-23.11.2017

(3) परिमाण विपत्र प्राप्त करने(डाउनलोड) की अवधि एवं समय:- दिनांक- 04.12.2017 से 13.12.2017, 15:00 घंटा

(वेबसाइट-www.eproc.bihar.gov.in पर)

(4) प्री बिड मीटिंग का समय, स्थान एवं तिथि

:- दिनांक:- 08.12.2017, 16:00 घंटा प्रबंध निदेशक का कार्यालय, बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम, पटना।

(5) निविदा प्राप्ति(अपलोड) की अंतिम तिथि एवं समय:-

दिनांक- 14.12.2017, समय- 15:00 घंटा

(6) अग्रधन जमा करने की अंतिम तिथि एवं समय :-

दिनांक- 15.12.2017, समय- 15:00 घंटा

(7) टेक्निकल बिड खोलने की तिथि एवं समय :-

दिनांक- 15.12.2017, समय- 16:30 घंटा

(वेबसाइट-www.eproc.bihar.gov.in पर)

(8) वित्तीय बिड खोलने की तिथि एवं समय :-

दिनांक- 22.12.2017, समय- 15:30 घंटा

(9) निविदा खोलने का स्थान :-

वेबसाइट-www.eproc.bihar.gov.in पर

(10) निविदा की वैधता की अवधि :-

120 दिन

(11) ई-टेंडरिंग की प्रक्रिया में भाग लेने हेतु संवेदकों को पंजीकृत होना होगा, जिससे कि उन्हें उपयोगकर्ता का नाम

(user ID) पासवर्ड (Password) अंकीय हस्ताक्षर (Digital Signature) निर्गत की जायेगी। यह उन्हें वेबसाइट

www.eproc.bihar.gov.in से डाउनलोड करने/टेंडर की प्रक्रिया में भाग लेने की योग्यता प्रदान करेगा।

(12) ई-निविदा पत्र वेबसाइट www.eproc.bihar.gov.in से प्राप्त किया जा सकता है। संवेदक द्वारा सिर्फ उपर्युक्त वेबसाइट से ही परिमाण विपत्र प्राप्त करने के उपरांत वेबसाइट पर ही इलेक्ट्रॉनिक निविदा पत्र को भरकर भेजना है। अन्य सभी महत्वपूर्ण कागजात/बैंक ड्राफ्ट/अग्रधन की राशि/सभी प्रमाण पत्र जो निविदा के लिए आवश्यक हैं को स्कैन कर ई-निविदा के साथ संलग्न करना अनिवार्य है।

(13) (क) Beltron Bid Processing Fee as appeared on the e-tendering website:- www.eproc.bihar.gov.in & BOQ cost of Rs. 10,000/- (Rs. Ten Thousand only) is mandatory to be paid through e-payment mode i.e. Internet payment gateway, (Credit/Debit card), Net Banking, NEFT/RTGS"

Bids along with necessary online payments must be submitted through e-procurement portal www.eproc.bihar.gov.in before the date and time specific in the NIT/Corrigendum. The department doesn't take any responsibility for the delay/Non submission of Tender/ Non Reconciliation of Online payment caused due to Non-availability of Internet Connection, Network Traffic/Holidays or any other reason. ऐसा नहीं करने पर निविदा मान्य नहीं होगा।

Chief Engineer

B.S.E.I.D.C., Patna

Signature of Tenderer

10/10/18

70

(ख) वसूली अग्रधन की राशि राष्ट्रीय बचत पत्र/ डाकघर सावधि जमा 3 वर्षीय या 5 वर्षीय पासबुक जो बिहार राज्य से क्रय या जमा किया हो, प्रबंध निदेशक, BSEIDC Ltd., पटना के नाम प्रतिज्ञित (Pledged) हो अथवा बिहार वित्त नियमावली के अनुसार BSEIDC Ltd. के नाम से फिक्सड डिपोजिट रिसिप्ट अथवा बैंक गारन्टी जो बिड के मान्य अवधि तक के लिए बिहार अवस्थित किसी राष्ट्रीयकृत/ अनुसूचित बैंक से निर्गत हो (अगर बिहार प्रान्त के बाहर के बैंक से निर्गत बैंक गारन्टी दिया जाता है तो एकरारनामा के पूर्व इसे बिहार अवस्थित किसी बैंक से निर्गत किया जाना होगा) के रूप में प्रबंध निदेशक का कार्यालय, बिहार राज्य शैक्षणिक आधारभूत संरचना विकास निगम लिमिटेड, पटना में दिनांक 15.12.2017 के 15:00 घंटे तक स्वयं/निबंधित डाक / स्पीड पोस्ट द्वारा निश्चित रूप से जमा किया जाना आवश्यक है अथवा EMD can also be paid through e-payment mode i.e. "Internet payment gateway, (Credit/Debit card), Net Banking, NEFT/RTGS". ऐसा नहीं करने पर निविदा मान्य नहीं होगा।

(14) निविदाकारों द्वारा इस्तेमाल किये जा रहे इन्टरनेट सर्विस में किसी प्रकार का व्यवधान उत्पन्न होने पर कोई भी दावा मान्य नहीं होगा। निविदाकारों को सलाह दी जाती है कि अपने निविदा को समय रहते उपर्युक्त वेबसाइट पर अपलोड कर लें। ताकि अंतिम समय में होनेवाले किसी प्रकार के व्यवधान से बच सकें।

(15) निविदाकार निविदा डालने से पहले अपने स्तर से भी प्रस्तावित कार्य स्थल पर भूमि उपलब्धता के संबंध में आश्वस्त हो लेंगे।

(16) Even though the bidders meet the qualifying criteria, they are subject to be disqualified if they have record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history or financial failure in the work of this Corporation.

(17) किसी भी प्रकार की जानकारी अथवा शुद्धि पत्र को वेबसाइट www.eproc.bihar.gov.in पर प्रकाशित किया जायेगा। बिना कारण बताये निविदा या उसके अंश को अस्वीकृत करने/रद्द करने का अधिकार सक्षम पदाधिकारी को सुरक्षित है।

(18) विशेष जानकारी हेतु अधोहस्ताक्षरी के कार्यालय में कार्य अवधि में सम्पर्क किया जा सकता है। ई-टेन्डरिंग की प्रक्रिया से संबंधित किसी भी प्रकार की जानकारी/सूचना हेतु सहायता कक्ष, ई-टेन्डरिंग कक्ष, प्रथम तल्ला, M/22, बैंक ऑफ इण्डिया भवन, रोड नं० 25, श्री कृष्णा नगर, पटना-800001, दूरभाष सं० 0612-2523006 / 9939035696.

23-11-2017
ब्रजेश प्रसाद
मुख्य परामर्शी (तकनीकी)
M. J. J. J.

216-151 9-10-2017

Seal and Signature of Tenderer

Chief Engineer
BSEIDC Ltd, Patna
10/10/17

SECTION 1
INSTRUCTION TO BIDDERS
(ITB)

216-1010-0-0-0-0

Seal and Signature of Tenderer

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

Section 1 : Instructions to Bidders

71

Table of Contents

Page No.					
A.	General	Page No	D	Submission of Bids	Page No
	1. Scope of Bid	10		19. Sealing and Marking of Bids	17
	2. Source of Funds	10		20. Deadline for Submission of Bids	18
	3. Eligible Bidders	10		21. Late Bids	18
	4. Qualification of the Bidder	10	E	Bid Opening and Evaluation	
	5. One Bid per Bidder	13		22. Bid Opening	18
	6. Cost of Bidding	13		23. Process to be Confidential	19
	7. Site Visit	13		24. Clarification of Financial Bids	19
B.	Bidding Documents	14		25. Examination of Bids and Determination of Responsiveness	19
	8. Content of Bidding Documents	14		26. Correction of Errors	19
	9. Clarifications of Bidding Documents	14		27. Evaluation and Comparison of Financial Bids	20
	10. Amendment of Bidding Documents	14	F.	Award of Contract	
C.	Preparation of Bids			28. Award Criteria	20
	11. Language of Bid	15		29. Employer's Right to Accept any Bid and to Reject any or all Bids	20
	12. Documents Comprising the Bid	15		30. Notification of Award and Signing of Agreement	20
	13. Bid Prices	15		31. Performance Security	21
	14. Currencies of Bid and Payment	16		32. Advance Payment and Security	21
	15. Bid Validity	16		33. Corrupt or Fraudulent Practices	21
	16. Bid Security	16	G.	Appendix to I TB	22
	17. Alternative Proposals by Bidders	17	H.	Annexure – I	24
	18. Format and Signing of Bid	17		Annexure - II	25

Seal and Signature of Tenderer

Chief Engineer
BSEIDC Ltd, Patna
10/10/18

. GENERAL

1.Scope of Bid

- 1.1 The Employer (named in Appendix to ITB) invites bids for the construction of works (as defined in these documents and referred to as "the works") detailed in the table given in IFB. The bidders may submit bid for any or all of the works detailed in the table given in IFB.
- 1.2 The successful bidder will be expected to complete the works by the intended completion date specified in the Contract data.
- 1.3 Throughout these bidding documents, the terms 'bid' and 'tender' and their derivatives (bidder / tenderer, bid/tender, bidding/tendering, etc.) are synonymous.
- 1.4 **Administrative authority shall decide that this agreement would be either PERCENTAGE RATE OR ITEM RATE and accordingly the non-relevant sections of this document must be crossed.**

2.Sources of Funds

- 2.1 The expenditure on this project will be met as decided by the Competent Authority.

3. Eligible Bidders

- 3.1 This *Invitation for Bids* is open to all bidders.
- 3.2 All bidders shall provide in Section 2, Forms of Bid and Qualification Information, a statement that the Bidder is neither associated, nor has been associated, directly or indirectly, with the Consultant, Engineer-in-Charge or any other entity that has prepared the design, specifications, and other documents for the Project or being proposed as Project Manager for the Contract or involved in supervision of the contract. A firm that has been engaged by the Employer to provide consulting services for the preparation or supervision of the works, and any of its affiliates shall not be eligible to bid.
- 3.3 Bidders shall not be under a declaration of ineligibility for delay, failure or corrupt and fraudulent practices by any of the State Govt. or Central Govt. or Public Undertaking or any Autonomous Body.

4.Qualification of the Bidder

- 4.1 All bidders shall provide in Section 2, Forms of Bid and Qualification Information, a preliminary description of the proposed work method and schedule, including drawings and charts indicating miles stones to complete the project on time.
- 4.2 All bidders shall also furnish the following information in Section 2:
 - (i) Evidence of access to or availability of credit facilities (minimum 10% of estimated cost) certified by the bankers.
 - (ii) Undertaking that bidder would be able to invest a minimum of cost upto 25% of the contract value of work, during implementation of contract.
 - (iii) Proposals, if any, for sub contracting of elements of work, costing more than 10% of the bid amount. (for all contracts over Rs. 5 crore)
 - (iv) Power of attorney, if any.
- 4.3 If the Employer has not undertaken prequalification of potential bidders, all bidders shall include the following information and documents with their bids in Section 2:
 - (a) copies of original documents defining the constitution or legal status, place of registration and principal place of business; written power of attorney of the signatory of the Bid to commit the Bidder;
 - (b) total monetary value of construction work performed for each of the last five years;
 - (c) experience in works of a similar nature and size for each of the last five years, and details of works underway or contractually committed; and clients who may be contacted for further information on those contracts;
 - (d) major items of construction equipment proposed to carry out the Contract or evidence of arrangement; of possessing them on hire/ lease/ buying as defined therein;
 - (e) qualifications and experience of key site management and technical personnel proposed for contract;
 - (f) reports on the financial standing of the Bidder, such as profit and loss statements and auditor's reports for the past five years;

Seal and Signature of Tenderer

Chief Engineer
B.S.E.I.D.C. Ltd, Patna

- 72
- (g) evidence of access to line(s) of credit and availability of other financial resources facilities (10% of contract value), certified by the Bankers (Not more than 3 months old)
 - (h) undertaking that the bidder will be able to invest a minimum cash up to 25% of contract value of work, during implementation of work.
 - (i) authority to seek references from the Bidder's bankers;
 - (j) information regarding any litigation, current or during the last five years, in which the Bidder is involved, the parties concerned and dispute amount;
 - (k) proposals for subcontracting components of the Works amounting to more than 10% of the Bid Price (for each, the qualifications and experience of the identified sub-contractor in the relevant field should be annexed); (for all contracts over Rs. 5 Crore)
 - (l) the proposed methodology and programme of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones (for all contracts over Rs. 5 Crore)

4.4 Bids from Joint ventures are not acceptable.*

4.5 ** (A) A. To qualify for award of the contract, each bidder in its name should have in the last five years as referred to in Appendix :-

- (a) Achieved in any one year a minimum annual financial turnover (in all classes of civil engineering construction works only) volume of construction work of at least the amount equal to the 50 % (fifty percent) estimated cost of works for which bid has been invited. The turn over will be indexed at the rate of 8% for a year.
- (b) Satisfactorily completed as a prime contractor (or as a nominated subcontractor, where the subcontract involved execution of all main items of work described in the bid document, provided further that all other qualification criteria are satisfied) at least one similar work of value not less than amount indicated in Appendix (usually not less than 25% (twenty five percent) of estimated value of contract);
- (c) executed in any one year, the minimum quantities of the following items of work as indicated in Appendix.

- R.C.C / P.C.C.	3537.45 cum
- Brick work quantity	2495.50 cum

(usually 50% of the expected peak rate of construction)

* To be deleted for projects costing Rs. 10 crores or more

** Also, see section 5, the special condition of contract

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10/10/18

B. Each bidder should further demonstrate :

- (a) availability (either owned or leased or by procurement against mobilization advances) of the following key and critical equipment for this work:

Based on the studies, carried out by the Engineer the minimum suggested major equipment to attain the completion of works in accordance with the prescribed construction schedule are shown in the Annexure-I.

Availability of the testing equipment required for establishing field laboratory to perform mandatory tests e.g. those stated in Appendix to ITB.

The bidders should, however, undertake their own studies and furnish with their bid, a detailed construction planning and methodology supported with layout and necessary drawings and calculations (detailed) as stated in clause 4.3(1) above to allow the employer to review the proposals. The numbers, types and capacities of each plant/equipment shall be shown in the proposals along with the cycle time for each operation for the given production capacity to match the requirements.

NOTE : (To be included for bids valued over Rs 5 Crore)

- (b) availability for this work of personnel with adequate experience as required; as per Annexure-II.
- (c) liquid assets and/or availability of credit facilities of no less than amount indicated in Appendix
(Credit lines/letter of credit/certificates from Banks for meeting the funds requirement etc.- usual the equivalent of the estimated cash flow for 3 months in peak construction period.)

C. To qualify for a package of contracts made up of this and other contracts for which bids are invited in the IFB, the bidder must demonstrate having experience and resources sufficient to meet the aggregate of the qualifying criteria for the individual contracts.

- 4.6 Sub-contractors' experience and resources shall not be taken into account in determining the bidder's compliance with the qualifying criteria except to the extent stated in 4.5(A) above.

- 4.7 Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity is more than the total bid value. The available bid capacity will be calculated as under :

Assessed Available Bid capacity = $(A \times N \times 3 - B)$

Where

A = Maximum value of civil engineering works executed in any one year during the last five years (updated to the price level of the year indicated in Appendix) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which bids are invited.

B = Value (updated to the price level of the year indicated in Appendix) of existing commitments and on-going works to be completed during the next..... years (period of completion of the works for which bids are invited)

Note : The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Engineer in charge, not below the rank of an Executive Engineer or equivalent.

- 4.8 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachment submitted in proof of the qualification requirements; and/or
- have record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc and/or
- participated in the previous bidding for the same work and had quoted unreasonably high bid prices and could not furnish rational justification to the employer.

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10/10/18

5. One Bid per Bidder

- 5.1 Each bidder shall submit only one bid for any work or one package or group. A bidder who submits or participates in more than one Bid (other than as a subcontractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Bidder's participation to be disqualified.

6. Cost of Bidding

- 6.1 The bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will in no case be responsible and liable for those costs.

In case of cancellation of tender, cost of bidding document will be charged each times.

7. Site Visit

- 7.1 The Bidder, at the Bidder's own responsibility and risk must visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder's own expense.
- 7.2 Tender documents are not transferable.

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10/10/10

B.BIDDING DOCUMENTS**8. Content of Bidding Documents**

- 8.1 The set of bidding documents comprises the documents listed below and addenda issued in accordance with Clause 10;

Section	Particulars	Volume No.
	Invitation for Bids	I
1	Instructions to Bidders	
2	Qualifications of Bidders	
3	Conditions of Contracts	
4	Contract Data	
5	Special condition of Contract	II
6	Technical Specifications	III
7	Bill of Quantities	
8	Securities and other forms	
9	Drawings	IV
10	Documents to be furnished by bidder	V

- 8.2 One copy of each of the volumes I, II, III and IV will be issued to the bidder Documents to be furnished by the bidder in compliance to section 2 will be prepared by him and furnished as Volume- V in two parts (refer clause 12).

- 8.3 The bidder is expected to examine carefully all instructions, conditions of contract, contract data, forms, terms, technical specifications, bill of quantities, forms, Annexes and drawings in the Bid Document. Failure to comply with the requirements of Bid Documents shall be at the bidder's own risk. Pursuant to clause 25 hereof, bids which are not substantially responsive to the requirements of the Bid Documents shall be rejected.

9.1 Pre-bid meeting

- 9.1.1 The bidder or his official representative is invited to attend a pre-bid meeting which will take place at the address, venue, time and date as indicated in appendix.
- 9.1.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 9.1.3 The bidder is requested to submit any questions in writing or by fax to reach the Employer not later than one week before the meeting.
- 9.1.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the bidding documents. Any modification of the bidding documents listed in Sub-Clause 8.1 which may become necessary as a result of the pre-bid meeting shall be made the Employer exclusively through the issue of an Addendum pursuant to Clause 10 and not through the minutes of the pre-bid meeting. All bidders have to collect any addendum on next working day of pre-bid meeting. The bidder shall receive the minutes of the meeting on the next working day of the pre-bid meeting.
- 9.1.5 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

21/10/18
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Chief Engineer 14
B.S.E.I.D.C. Ltd, Patna
10/10/18

10. Amendment of Bidding Documents

- 10.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by issuing addendum.
- 10.2 Any addendum thus issued shall be part of the bidding documents and shall be collected by all the purchasers of the bidding documents. Prospective bidders shall acknowledge receipt of each addendum in writing or by cable to the Employer. The Employer will assume no responsibility for postal delays.
- 10.3 To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer may, at his discretion, extend as necessary the deadline for submission of bids, in accordance with Sub-Clause 20.2 below.

C. PREPARATION OF BIDS

11. Language of the Bid

- 11.1 All documents relating to the bid shall be in English / Hindi.

12. Documents Comprising the Bid

- 12.1 The bid to be submitted by the bidder as Volume V of the bid document (refer Clause 8.1) shall be in two separate parts;

Part I shall be named "Technical Bid" and shall comprise

- (i) Earnest money in the form specified in Section 8
- (ii) Qualification Information and supporting documents as specified in Section- 2
- (iii) Certificates, undertakings, affidavits as specified in Section 2
- (iv) Any other information pursuant to Clause 4.2 of these instructions
- (v) Undertaking that the bid shall remain valid for the period specified in Clause 15.1
- (vi) An affidavit affirming the information be has furnished in the bidding document is correct to the best of his knowledge and belief.

Part II shall be named "Financial Bid" and shall comprise

- (i) Form of Bid as specified in Section 6
- (ii) Priced Bill of Quantities for items specified in Section 7

- 12.2 Each part will be separately sealed and marked in accordance with the Sealing and Marking Instructions in Clause 19.

- 12.3 Following documents, which are not submitted with the bid, will be deemed to be part of the bid.

Section	Particulars	Volume No.
	Invitation for Bids (IFB)	
1	Instructions to Bidders	Volume I
3	Conditions of Contract	
4	Contract Data	
5	Specifications	Volume II
8	Drawings	Volume IV

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10/10/18

13. Bid Prices

13.1 The contractor shall bid for the whole work as described in Sub-Clause 1.1 based on the priced Bill of Quantities submitted by the Bidder.

13.1.1 The bidder shall adopt the percentage rate method or item rate method as specified in the appendix to ITB; only the same option is allowed to all the bidders. Percentage rate method requires the bidder to quote a percentage above/below/ at par of the schedule of rates specified in the appendix to ITB.

Item rate method requires to quote rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total bid price both in figures and words). *Items for which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.* Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

13.1.2 All duties, taxes, and other levies payable by the contractor under the contract or for any other cause shall be included in the rates, prices and total Bid Price submitted by the Bidder.

13.2 The rates and prices quoted by the bidder are subject to adjustment during the performance of the Contract in accordance with the provisions clause 10CA & 10CC clause Conditions of Contract.

13.3 The rate should include the cost of all seen and unseen expenditure. No claim, whatsoever, will be entertained due to non-inclusion of any such event necessary for the completion of the item of work.

14. Currencies of Bid and Payment

14.1 The units rates and the prices shall be quoted by the bidder entirely in Indian Rupees. All payments shall be made in Indian Rupees.

15. Bid Validity

15.1 Bids shall remain valid for a period not less than 120 days after the deadline date for bid submission specified in Clause 20. A bid valid for a shorter period shall be rejected by the Employer as non-responsive. In case of discrepancy in bid validity period between that given in the undertaking pursuant to Clause 12.1 (v) and the Form of Bid submitted by the bidder, the latter shall be deemed to stand corrected in accordance with the former and the bidder has to provide for any additional security that is required.

15.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid.

16. Earnest Money

16.1 The Bidder shall furnish, as part of his Bid, a Bid security in the amount as shown in column 4 of the table of IFB for this particular work. This bid security shall be in favour of Employer, and shall be in the following form of Unconditional bank guarantee from any nationalized scheduled Indian bank issued within the state in the format given in Vol. III (If issued from any bank outside state it will have to be converted to any bank within the state before executing the agreement).

16.2 Unconditional bank guarantees issued as surety for the bid shall be valid for 45 days beyond the validity of the bid.

16.3 Any bid not accompanied by an acceptable Bid Security and not secured as indicated in Sub-Clauses 16.1 and 16.2 above shall be rejected by the Employer as non-responsive.

16.4 The Earnest money of unsuccessful bidders will be returned within 28 days of the end of the bid validity period specified in Sub-Clause 15.1.

16.5 The Earnest money of the successful bidder will be discharged when the bidder has signed the Agreement and furnished the required Performance Security.

16.6 The Earnest money may be forfeited

(a) if the Bidder withdraws the Bid after Bid opening during the period of Bid validity;

21/10/18
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BSEIDC, Ltd, Patna

10/10/18

- (b) if the Bidder does not accept the correction of the Bid Price, pursuant to Clause 26; or
- (c) in the case of a successful Bidder, if the Bidder fails within the specified time limit to
 - (i) sign the Agreement; or
 - (ii) furnish the required Performance Security.

17. Alternative Proposals by Bidder

- 17.1 Bidders shall submit offers that fully comply with the requirements of the bidding documents, including the conditions of contract (including mobilisation advance or time for completion), basic technical design as indicated in the drawing and specifications. Conditional offer or alternative offers will not be considered further in the process of tender evaluation.
- 17.2 Conditional tender will be rejected forthwith.

18. Format and Signing of Bid

- 18.1 The Bidder shall submit one set of the Technical bid and two set of Financial bid (original & duplicate) comprising of the documents as described in clause 12 of ITB.
- 18.2 The Bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Bidder, pursuant to Sub-Clause 4.3. All pages of the bid where entries or amendments have been made shall be initialed by the person or persons signing the bid and a certificate of corrections must be given by the employer.
- 18.3 The Bid shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialed by the person or persons signing the bid.

D. SUBMISSION OF BIDS (Only on Website : www.eproc.bihar.gov.in)
(Sl.No. 19 To 21.1, All Process shall be done through e-tendering Process)

19. Sealing and Marking of Bids

- 19.1 The Bidder shall place three separate envelopes (called as inner envelopes) which shall be marked one as technical bid and two envelope as Financial bid in duplicate. Inside one outer envelope. The envelopes marked "Technical Bid" and "Financial Bid" will have additional markings as follows.

- Technical Bid : To be opened as per NIT (date of Technical Bid opening) in the presence of Evaluation Committee, or authorized person. **(Only on Website : www.eproc.bihar.gov.in)**
- Financial Bid: Not to be opened except with the approval of Evaluation Committee. **(Only on Website : www.eproc.bihar.gov.in)**

The contents of Technical and Financial Bids will be as specified in clause 12.1

- 19.2 The inner, outer and separate envelopes containing Technical and Financial Bids shall
- (a) be addressed to the Employer at the address given in Appendix
 - (b) bear the identification no of contract as indicated in Appendix.
 - (c) provide a warning not to open before the specified time and date for bid opening as specified in ITB.
- 19.3 In addition to the identification required in Sub-Clause 19.1 and 19.2, each of the envelopes shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared late, pursuant to Clause 21, or if Evaluation Committee declares the bid as non responsive pursuant to Clause 23.

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna

10/10/18

- 19.4 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the bid.
20. **Deadline for Submission of the Bids(Only on Website : www.eproc.bihar.gov.in)**
- 20.1 Complete Bids (including Technical and Financial) must be received by the Employer at the address specified above not later than the date indicated in appendix. In the event of the specified date for the submission of bids have declared a holiday for the Employer, the Bids will be received up to the appointed time on the next working day.
- 20.2 The Employer may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 10, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will then be subject to the new deadline.
21. **Late Bids**
- 21.1 Any Bid received by the Employer after the deadline prescribed in Clause 20 will be returned unopened to the bidder.

E. BID OPENING AND EVALUATION (Only on Website : www.eproc.bihar.gov.in)
(SI.No. 22 To 27.5, All Process shall be done through e-tendering Process)

22. **Bid Opening**
- 22.1 The Employer or their authorized representative will open all the Bids received (except those received late), in the presence of the Bidders or their representatives who choose to attend at time, date and the place specified in Appendix in the manner specified in Clause 20 and 22.3. In the event of the specified date of Bid opening being declared a holiday for the Employer, the Bids will be opened at the appointed time and location on the next working day. Even in the case of absence of the bidder at the time of opening of bids, department will proceed a head with the opening.
- 22.2 If any of the tenderers or their agents are not present at the time of opening, the employer will open the tender in their absence and prepare a statement and that will be binding on the absent tenderers.
- 22.3 The envelope containing "Technical Bid" shall be opened. The amount, form and validity of the Earnest money furnished with each bid will be announced. If the bid security furnished does not conform to the amount and validity period as specified in the Invitation for Bid (ref. Column 4 and paragraph 3), and has not been furnished in the form specified in Clause 16, the remaining technical bid and the sealed financial bid will be returned to the bidder.
- 22.4 (i) Subject to confirmation of the bid security by the issuing Bank, the bids accompanied with valid security will be taken up for evaluation with respect to the Qualification Information and other information furnished in Part I of the bid pursuant to Clause 12.1.
- (ii) After receipt of confirmation of the bid security, the bidder will be asked in writing (usually within 10 days of opening of the Technical Bid) to clarify or modify his technical bid, if necessary, with respect to any rectifiable defects.
- (iii) The bidders will respond in not more than 7 days of issue of the clarification letter.
- (iv) Immediately (usually within 3 to 4 days), on receipt of these clarifications the Evaluation Committee will finalize the list of responsive bidders whose financial bids are eligible for consideration.
- 22.5 At the time of opening of "Financial Bid", the names of the bidders found responsive in accordance with Clause 23.4(iv) will be announced. The bids of only these bidders will be opened. The remaining bids will be returned to the bidders unopened. The responsive Bidders' names, the Bid prices, the total amount of each bid, any discounts, Bid Modifications and withdrawals, and such other details as the Employer may consider appropriate, will be announced by the Employer at the opening. Any Bid price or discount, which is not read out and recorded will not be taken into account in Bid Evaluation.

246-1019-0212
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 10/10/18

- 22.6 In case bids are invited in more than one package, the order for opening of the "Financial Bid" shall be that in which they appear in the "Invitation For Bid".
- 22.7 The Employer shall prepare minutes of the Bid opening, including the information disclosed to those present in accordance with Sub-Clause 22.5
- 23. Process to be Confidential**
- 23.1 Information relating to the examination, clarification, evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to Bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. Any effort by a Bidder to influence the Employer's processing of Bids or award decisions may result in the rejection of his Bid.
- 24. Clarification of Financial Bids**
- 24.1 To assist in the examination, evaluation and comparison of Bids, the Employer may, at his discretion, ask any Bidder for clarification of his Bid, including breakdowns of unit rates. The request for clarification and the response shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Bids in accordance with Clause 26.
- 24.2 Subject to sub-clause 24.1, no Bidder shall contact the Employer on any matter relating to his bid from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Employer, it should do so in writing.
- 24.3 Any effort by the Bidder to influence the Employer in the Employer's bid evaluation, bid comparison or contract award decisions may result in the rejection of the Bidders' bid.
- 25. Examination of Bids and Determination of Responsiveness**
- 25.1 During detailed evaluation of "Technical Bids", the Employer will determine whether each Bid (a) meets the eligibility criteria defined in Clause 3 and 4; (b) has been properly signed; (c) is accompanied by the required securities and; (d) is substantially responsive to the requirements of the Bidding documents. During the detailed evaluation of the "Financial Bid", the responsiveness of the bids will be further determined with respect to the remaining bid conditions, i.e., priced bill of quantities, technical specifications, and drawings.
- 25.2 A substantially responsive "Financial Bid" is one which conforms to all the terms, conditions, and specifications of the Bidding documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality or performance of the Works; (b) which limits in any substantial way, inconsistent with the Bidding documents, the Employer's rights or the Bidder's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Bidders presenting substantially responsive Bids.
- 25.3 If a "Financial Bid" is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.
- 26. Correction of Errors**
- 26.1 "Financial Bids" determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows:
- (a) where there is a discrepancy between the rates in figures and in words, the rate in words will govern; and
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern.
- 26.2 The amount stated in the "Financial Bid" will be corrected by the Employer in accordance with the above procedure and the bid amount adjusted with the concurrence of the Bidder in the following manner:
- (a) If the Bid price increases as a result of these corrections, the amount as stated in the bid will be the 'bid price' and the increase will be treated as rebate;

24/11/2017
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6/10/18

- (b) If the bid price decreases as a result of the corrections, the decreased amount will be treated as the 'bid price'
- Such adjusted bid price shall be considered as binding upon the Bidder. If the Bidder does not accept the corrected amount the Bid will be rejected, and the Earnest money may be forfeited in accordance with Sub-Clause 16.6(b).

27. Evaluation and Comparison of Financial Bids

- 27.1 The Employer will evaluate and compare only the Bids determined to be substantially responsive in accordance with Sub-Clause 25.2.
- 27.2 In evaluating the Bids, the Employer will determine for each Bid the evaluated Bid Price by adjusting the Bid Price as follows:
- (a) making any correction for errors pursuant to Clause 26; or
 - (b) making an appropriate adjustments for any other acceptable variations, deviations.
- 27.3 The Employer reserves the right to accept or reject any variation or deviation. Variations and deviations and other factors, which are in excess of the requirements of the Bidding documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Bid evaluation.
- 27.4 If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer's estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 31 be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.
- 27.5 A bid, in the opinion of employee which contains several items in the Bill of Quantities which are unrealistically priced low and which cannot be substantiated satisfactorily by the bidder, may be rejected as non-responsive.

F. AWARD OF CONTRACT

28. Award Criteria

- 28.1 Subject to Clause 29, the Employer will award the Contract to the Bidder whose Bid has been determined
- (i) to be substantially responsive to the Bidding documents and who has offered the lowest evaluated Bid Price; and
 - (ii) to be within the available bid capacity adjusted to account for his bid price which is evaluated the lowest in any of the packages opened earlier than the one under consideration.

In no case, the contract shall be awarded to any bidder whose available bid capacity is less than the evaluated bid price, even if the said bid is the lowest evaluated bid. The contract will in such cases be awarded to the next lowest bidder at his evaluated bid price.

29. Employer's Right to Accept any Bid and to Reject any or all Bids

Notwithstanding Clause 28, the Employer reserves the right to accept or reject any Bid, and to cancel the Bidding process and reject all Bids, at any time prior to the award of Contract, without thereby in incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for the Employer's action.

30. Notification of Award and Signing of Agreement

- 30.1 The Bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the *General Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion and maintenance of the

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B.S.E.I.D.C. Ltd, Patna

20

10/10/18

Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

- 30.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of the performance security in accordance with the provisions of Clause 31.
- 30.3 The Agreement will incorporate all agreements between the Employer and the successful Bidder. It will be signed by the Employer and the successful Bidder, after the performance security is furnished.
- 31. Performance Security**
- 31.1 Within 10 (ten) days of receipt of the Letter of Acceptance, the successful Bidder shall deliver to the Employer a Performance Security in any of the forms given below for an amount equivalent 2% of the Contract price including earnest money plus additional security for unbalanced Bids in accordance with the Clause 29.5 of ITB and the provisions of Bihar Financial Rules.
- 31.2 If the performance security is provided by the successful Bidder in the form of an Bank Guarantee or fixed deposit receipts in the name of Employer, it shall be issued either (a) at the Bidder's option, by a Nationalized/ Scheduled Indian bank within state or (b) acceptable to the Employer.
- 31.3 Failure of the successful Bidder to comply with the requirements of Sub-Clause 31.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Bid Security.
- 32. Advance Payment and Security**
- 32.1 The Employer will provide an Advance Payment on the Contract Price as stipulated in the General Conditions of Contract, subject to maximum amount, as stated in the Contract Data.
- 33. Corrupt or Fraudulent Practices**
- 33.1 The Employer will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question and will declare the firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract with this Corporation (BSEIDC) and any other agencies, if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for the contractor, or in execution.
- 33.2 Furthermore, Bidders shall be aware of the provision stated in Sub-Clause and Sub-Clause 14 of the General Conditions of Contract.

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10/10/18

G. APPENDIX to ITB

Clause Reference with respect to Section-I.

1. Name of the Employer—Managing Director, BSEIDC, Patna. [Cl. 1.1]
2. The last five years means for this tender
2012 – 2013
2013 – 2014
2014 – 2015
2015 – 2016.
2016 – 2017.
3. The required annual financial turn over amount is Rs. 1334.66 Lac (Rupees Thirteen Crore Thirty Four Lac and Sixty Six Thousand Only) [Cl. 4.5 A(a)]
4. Required minimum value of one similar work is Rs. 667.33 Lac (Rupees Six Crore Sixty Seven Lac and Thirty Three Thousand Only). [Cl. 4.5A(b)]
5. Required minimum quantities of work executed are:- as prescribed in the relevant clause. [Cl. 4.5A(c)]
6. The cost of electric work is :-
7. The cost of water supply/ sanitary works is :-
8. Liquid assets and/or availability of credit facilities is 10% of Estimated Cost. [Cl. 4.5B(c)]
9. Price level of the financial year _____ [Cl. 4.7)]
10. The pre-bid meeting will take place : As Per NIT/ Corrigendum. [Cl. 9.1.2]
11. The technical bid will be opened THROUGH WEBSITE Only
Website : www.eproc.bihar.gov.in

246-241 n.c. h.c

10/10/18
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

12. Address of the Employer : Managing Director, BSEIDC, Patna. [Cl. 4.5(a)]
13. Identification: [cl. 19.2(b)]
 Bid for : Construction of Girls Hostel (G+5) & Staff Quarter (G+5) in the campus of Chandragupta Institute of Management, Mithapur Patna Under Phase-II in Bihar.
 SI No. : 1
 Bid reference No. : 72, Year : 2017-18
 Do not open before : As Per NIT / CORRIGENDUM
14. Bids may be submitted only in Percentage Rate Method.
15. Schedule of rate applicable for Percentage Rate Method is S.O.R., BCD, Effective from 2016 & S.O.R (Electrical) 2016.
16. The bid should be submitted latest by Date : As Per NIT / CORRIGENDUM [Cl. 20.1(a)]
17. The bid will be opened through Web Site : [Cl. 23.1]
[/www.eproc.bihar.gov.in](http://www.eproc.bihar.gov.in)
18. The Cost of BOQ & Cost of Earnest money : As Per NIT / CORRIGENDUM. [Cl. 34.1]
19. Escalation factors (for the cost of works executed and financial figure to a common base value for works completed)
 Year before Multiply factor
- | | |
|-------|------|
| One | 1.1 |
| Two | 1.21 |
| Three | 1.33 |
| Four | 1.46 |
| Five | 1.61 |
20. Bids will be submitted in Percentage Rate .

Seal and Signature of Tenderer

Chief Engineer
 B.S.E.I.D.C. Ltd, Patna
 12/12/18

ANNEXURE-I

List of Key Plant & Equipment to be deployed on ROAD Work

[Reference Cl. 4.5 (B) (a)]

Sl.	Type of Equipment*	Max *** age as on (Years)	Road Contract Package Size **				
			Within one crore	Rs. 1- 5 Crores	Rs. 5- 30 Crores	Rs. 31-50 Crores	Above 50 Crores
1.	Motor Grader	5	As per the decision of Engineer-in-Charge concerned	1	1	3	5
2.	Dozer	5			1	1	2
3.	Front end Loader	5			1	2	3
4.	Smooth Wheeled Roller	5		1	2	2	3
5.	Vibratory Roller	5		1	1	1	2
6.	Fully Computerized Hot Mix Plant with Electronic Controls	5		1 (Min. 40-60 TPH capacity)	1 (Min 80-100 TPH capacity)	1 (Min 100-120 TPH capacity)	2
7.	Paver Finisher with Electronic Sensor	5		1 (Mechanical)	1	1	2
8.	Water Tanker	5		1	2	3	4
9.	Bitumen Sprayer	5-7		1	1	1	2
10.	Tandem Roller	5			1	2	2
11.	Concrete Mixes with Integral Weigh Batching facility	5		1 (Drum mixer)	1	1	1
12.	Concrete Batching and Mixing Plant (Minimum Capacity – 15m ³ /hour)	5			-	-	1
	Total -			8	13	18	29

* To be decided by Employer before floating the tender.

** On the basis of nature of Construction work list of key plant & Equipments will be decided.

*** Life of machine minus two years or 5 years on which ever is more.

21/10/18

Seal and Signature of Tenderer

21/10/18
 Chief Engineer
 BSEIDC Ltd, Patna
 10/10/18

ANNEXURE – II

List of Key Personnel to be deployed on Contract Work

[Reference Cl. 4.5(B) (b)]

Sl. No.	Personnel*	Qualification	Contract Package Size						
			Rs. 5-30 Lacs	Rs. 30 Lacs to 70 Lacs	Rs. 70 Lacs to 2 Crores	Rs. 2-10 Crores	Rs. 10-30 Crores	Rs. 31-50 Crores	More than 50 Crores
1.	Project Manager	B.E. Civil + 10 Years Exp. (5 years as Manager) or retired E.E.					1 No.	1 No.	1 No.
2.	Site Engineer	B.E. Civil + 07 Years Exp. (3 years in Road Construction) or retired A.E.			1 No.	1 No.	1 No.	2 Nos.	4 Nos.
3.	Plant Engineer	B.E. Mech./ Civil + 05 Years Exp. or Dip. Mech + 07 Years Exp. or Retired J.E.				1 No.	1 No.	1 No.	2 Nos.
4.	Quantity Surveyor	B.E. Civil + 05 Years Exp. or Dip. Civil + 07 Years Exp.						1 No.	2 Nos.
5.	Soil & Material Engineer	B.E. Civil + 07 Years Exp.						1 No.	2 Nos.
6.	Survey Engineer	B.E. Civil + 03 Years Exp. or Dip. Civil + 05 Years Exp.						1 No.	2 Nos.
7.	Site Supervisor or	Fresh Graduate in Civil or Diploma Civil + 03 Years Exp. or retired I.T.I Holder.		1 No.	1 No.	1 Nos.	2 Nos.	3 Nos.	4 Nos.
	Total			1	2	3	5	10	17

* The designation and no. of the personnel has to be decided by the Corporation as per the requirement

24/11/2018

Seal and Signature of Tenderer

Chief Engineer
BSEIDC Ltd, Patna
10/10/18

SECTION 2
QUALIFICATION INFORMARION
(to be filled in by Bidder)

21/10/18

Seal and Signature of Tenderer

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

QUALIFICATION INFORMATION

The information to be filled in by the Bidder in the following pages will be used for purposes of post qualification as provided for in Clause 4 of the Instructions to Bidders. This information will not be incorporated in the Contract.

1. For Individual Bidders

1.1 Constitution or legal status of Bidder
(Attach copy)

Place of registration :

Principal place of business :

Power of attorney of signatory of Bid
(Attach)

1.2 Total value of Civil Engineering construction work performed in the last five years**
(in Rs. Million)

200	200	}	β
200	200		
200	200		
200	200		
200	201		

1.3.1 Work performed as prime contractor, work performed in the past as a nominated sub-contractor will also be considered provided the sub-contract involved execution of all main items of work described in the bid document, provided further that all other qualification criteria are satisfied (in the same name) on works of a similar nature over the last five years.**

Project Name	Name of the Employer*	Description of work	Contract No.	Value of Contract (Rs. In Crore)	Date of issue of work order	Stipulated period of completion	Actual date of completion*	Remarks explaining reasons for delay & work completed)

* Attach certificate(s) from the Engineer(s)-in-Charge

** Immediately preceding the financial year in which bids are received .

β Attach certificate from Chartered Accountant.

Signature of Tenderer

Seal and Signature of Tenderer

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
Signature
10/10/11

Year	Name of the work	Name of the Employer*	Quantity of work performed (cum) @ Remarks					
			Cement Concrete (including RCC & PCC)	Masonry	Earth works	WBM	WMM	Bituminous Work
200__200__								
200__200__								
200__200__								
200__200__								
200__200__								

(A) Existing commitments and on-going works:

Description of works	Place & State	Contract No.	Name & Address of Employer	Value of Contract (Rs Cr)	Stipulated Period of Completion	Value of works* remaining to be completed (Rs Cr)	Anticipated date of completion
1	2	3	4	5	6	7	8

Delete, if prequalification has been carried out.

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
28
Signature
10/10/18

(B) Works for which bids already submitted :

Description of works	Place & State	Name & Address of Employer	Estimated value of works (Rs Cr)	Stipulated period of completion	Date when decision is expected	Remarks, if any
1	2	3	4	5	6	7

1.5 Availability of key items of Contractor's Equipment essential for carrying out the Works [Ref. Clause 4.5(B)(a)]. The Bidder should list all the information requested below. Refer also to Sub Clause 4.3 (d) of the Instruction to Bidders.

[illegible]

Seal and Signature of Tenderer

Chief Engineer
B.S.E.I.D.C. Ltd, Patna.

Michael
10/10/18

1.6 Qualifications and experience of key personnel required for administration and execution of the Contract [Ref. Clause 4.5(B)(b)]. Attach biographical data. Refer also to Sub Clause 4.3 (e) of instructions to Bidders and Sub Clause 9.1 of the Conditions of Contract.

Position	Name	Qualification	Year of Experience (General)	Years of experience in the proposed position
Project Manager				
Etc.				

1.7 Proposed sub-contracts and firms involved. [Refer ITB Clause 4.3(k)]

Sanction of the works	Value of Sub-contract	Sub-contractor (Name & Address)	Experience in similar work
1	2	3	4

Attach copies of certificates on possession of valid license for executing water supply/ sanitary work/ building electrification works [Reference Clause 4.5(d) & Clause 4.5(e)]

*1.8 Financial reports for the last five years: balance sheets, profit and loss statements, auditors' reports (in case of companies/corporation), etc. List them below and attach copies.

* Delete, if prequalification has carried out

21/11/18

Seal and Signature of Tenderer

Chief Engineer
BSEIDC Ltd, Patna
10/11/18

- 1.9 Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit, etc. List them below and attach copies of support documents.
- 1.10 Name, address and telephone, telex and fax numbers of the Bidders' bankers who may provide references if contacted by the Employer.
- 1.11 Information on litigation history in which the Bidder is involved.

Other Party(ies)	Employer	Cause of Dispute	Amount involved	Remarks showing Present Status

- 1.12 Statement of compliance under the requirements of Sub Clause 3.2 of the instructions to Bidders. (Name of Consultant engaged for project preparation is **)

- 1.13 Proposed work method and schedule. The Bidder should attach descriptions, drawings and charts as necessary to comply with the requirements of the Bidding documents. [Refer ITB Clause 4.1 & 4.3(1)]

- 1.14 Programme
- 1.15 Quality Assurance Programme

2. Additional Requirements

- 2.1 Bidders should provide any additional information required to fulfill the requirements of Clause 4 of the Instructions to the Bidders, if applicable.

- (i) Affidavit
- (ii) Undertaking
- *** (iii) Update of original prequalification application
- *** (iv) Copy of original prequalification application
- *** (v) Copy of prequalification letter

** Fill the Name of Consultant.

Delete, if prequalification has not been carried out.

246-24 G. A. G. R. e
Seal and Signature of Tenderer

Chief Engineer
B.S.E.I.D.C. Ltd, Patna

10/10/18

SAMPLE FORMAT FOR EVIDENCE OF ACCESS TO OR AVAILABILITY OF CREDIT FACILITIES

(CLAUSE 4.2 (i) OF ITB)

BANK CERTIFICATE

This is to certify that M/s. _____ is a reputed company with a good financial standing.

If the contract for the work, namely _____ is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. _____ to meet their working capital requirements for executing to the above contract during the contract period.

(Signature)

Name of Bank

Senior Bank Manager

Address of the Bank

21/10/18
(Seal & Signature of Tenderer)

10/10/18
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

AFFIDAVIT

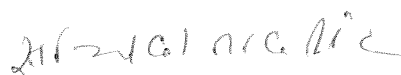
1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certifies that neither our firm M/s _____ has been blacklisted nor has abandoned any work in any government department, India nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.
3. The undersigned hereby authorises and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understand and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the Department Project implementing agency.
5. If the work is allotted to me or my firm, I/we will arrange the required fund and submit the work program for timely completion of the work.
6. I/we will invest a minimum of cost up to 25% of contract value of work during implementation of contract.

(Signed by an Authorized Officer of the Firm)

Title of Officer

Name of Firm

DATE


(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC Ltd, Patna

12/10/18

UNDERTAKING

I, the undersigned do hereby undertake that our firm M/s _____
 _____ would invest a minimum cash up to 25% of the value of the work
 during implementation of the Contract.

 (Signed by an Authorised Officer of the Firm)

 Title of Officer

 Name of Firm

 DATE

Handwritten signature

(Seal & Signature of Tenderer)

Chief Engineer
 B.S.E.I.D.C. Ltd, Patna
Handwritten signature
 10/10/11

SECTION 3
GENERAL CONDITIONS OF CONTRACT

21/10/18
(Seal & Signature of Tenderer)

✓
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

Table of Contents

Clause	Details	Page
	<u>General</u>	52
1	Performance guarantee	52
1A	Recovery of Security deposit	53
2	Compensation for delay (Liquidated Damage)	53
2A	Incentive for early completion	53
3	When contract can be determined / Rescinded	55
4	Contractor liable to pay compensation even if action not taken under clause 3	73
18	Contractor to supply tools & plants etc.	76
20	Min. Wages Act to be complied with	76
21	Work not to be sublet/ Action in case of insolvency	76
23	Changes in firm's constitution to be intimated	76
24	Approval of Engineer Incharge	77
32	Hire of Plant & Machinery	80
33	Employment of Technical Staff and employees	82
34	Levy/ Taxes payable by Contractor	84
37	Termination of Contract on death of contractor	84
38	If relation working in " corporation" then contractor not allowed to tender	85
39	No Gazetted Engineer to work as contractor within two years of retirement.	85
41	Release of Security Deposit.	86
46	Safety, Security and Protection of the Environment	87
50	Commencement of Works	87
	<u>Time Control</u>	
5	Time and Extension for delay	55
45	Cash flow estimate to be submitted.	86
	<u>Cost Control</u>	
5A	Minutes of Meeting	56
6	Measurement of work done	56
7	Payment on Intermediate certificate to be regarded as advances	57
9	Payment of final bill	59
9A	Payment of contractor's Bills to Banks	59
10B	Secured Advance on Non-Perishable materials/ Mobilisation Advance / Plant & Machinery & Shuttering material advance / Interest & Recovery.	62
10C	Payment on account of Increase in Prices / Wages due to Statutory order(s)	63
10CA	Payment on account of increase / decrease in prices of construction materials after receipt of tender.	64
10CC	Payment due to Increase / Decrease in Prices / Wages after receipt of tender for works (Time more than 18 eighteen months)	65

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC. Ltd, Patna
10/10/18

10D	Dismantled material Employer property.	68
12	Deviations / Excess item Variations / extent and pricing	69
12.2	Deviation, extra items and pricing	69
12.3	Deviation, Deviated quantities , pricing	69
13	Foreclosure of contract due to Abandonment or Reduction in scope of work.	70
14	Cancellation of contract in full or part.	70
15	Suspension of work	72
16	Action in case work not done as per specification	72
22	Compensation	76
25	Settlement of disputes & arbitration	77
27	Lumpsum Provisions in Tender	78
29	With holding and lien in respect of sums due from contractor	79
29A	Lien in respect of claims in other Contracts	79
35	Condition of reimbursement of lavy / taxes after receipt of the tender.	84
43	Contractor's Risks	86
44	Insurance	86
47	Cost of Samples	87
48	Cost of Tests	87
49	Cost of Tests not provided for	87

Finishing Control

8	Completion certificate and completion plan	58
8A	Contractor to keep site clean	59
8B	Completion plans to be submitted by the contractor	59
17	Contractor liable for damage, defects during maintenance period.	73
40	Return of materials and recovery of excess materials issued.	85
51	Substantial Completion of Parts	85

Quality Control

10	Materials supplied by Employer	59
10A	Materials to be provided by the contractor	61
11	Work to be executed in accordance with specification, drawings, orders etc.	68
26	Contractor to indemnity Corporation against Patent Rights.	78
28	Action where no Specifications are specified	78
42	Responsibility of technical staff and employees	86

Other Condition & Control

18A	Recovery of compensation paid to workman	74
18B	Ensuring payment and amenities to workers if contractor fails	74
19	Labour laws to complied by the Contractor	74
19B	Payment of wages	75
30	Unfiltered water supply	80
31	Return of Surplus materials	80
26	Contractor to indemnity Corporation against patent Rights	78
28	Action where no specification are specified	78
38	Imprisonment of contractor	84
40	Return of materials and recovery for excess materials issued.	85
42	Responsibility of technical staff and employees	86
52	Force majeure	88
53	Recovery	88

24/10/2018 a.c. Lic

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC Ltd, Patna
10/10/18

GENERAL GUIDELINES

1. This book of "General Conditions of Contract" is applicable to both types of tenders i.e. "Percentage rate tenders" and "Item rate tenders". Accordingly alternative provisions for conditions Nos. 4, The appropriate alternatives will be applicable in specific cases depending on whether this is used for percentage rate tender (Form-) or item rate tender (Form -)
2. Form -, Schedules A to F, special conditions/ specifications and drawing only will be issued to intending bidders. The standard form shall form part of the agreement to be drawn and signed by both parties after acceptance of tender.
3. All blanks are confined to Notice Inviting Tender (Form -) and Schedules A to F.
4. Authority approving the Notice Inviting Tender (NIT) shall fill up all the blanks in Form -6 and in Schedules B to F before issue of Tender Papers.
5. The intending bidders will quote their rates in Schedule A.
6. The proforma for registers and Schedules A to F are only for information and guidance. These are not to be filled in the Standard Form. The Schedules with all blanks, duly filled shall be separately issued to all intending tenderers.

Signature of Tenderer
(Seal & Signature of Tenderer)

✓
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
Signature
10/11/17

**BIHAR STATE EDUCATIONAL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(A Govt. Of Bihar UNDERTAKING)**

Form-1

NOTICE INVITING TENDER

contractor State RCD/BCD/ other State P.W.D. & Central Government / PSU or any Agency of National / International repute :-

I of Tender to any Contractor registered with Central Government/any State Government / State RCD/BCD or any PSU or an agency of International / National repute may be submitted without the registration with Corporation. However, registration with the Corporation will be essential after issue of L.O.A.

- (b) submission of bid (In case of other State PWD/ CPWD/ any PSU eligible contractors or Agencies of National/ International repute following documents (from a to c) have to be submitted after issue of letter of acceptance). t / other State PWD / CPWD Contractor will provide definite proof from appropriate authority for tools & Plant and Undertaking to install it on works site after getting letter of acceptance

2. Agreement shall be drawn with the successful tenderer on prescribed Form No. BSEIDC-2/3. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
5. The time allowed for carrying out the work will be from the day after the date of written orders to commence the work or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
6. The site for the work is available.

OR

The site for the work shall be made available in parts as specified below :-

7. Receipt of applications for issue of forms will be stopped by 1500 Hrs. days before the date fixed for opening of tenders. Issue of tender forms will be stopped day before the date fixed for opening of tenders or as mentioned in press Notice.

Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and the set of terms & conditions of contract to be complied with by the contractor whose tender may be accepted and other necessary documents can be seen in the office of the between hours of 11.00 A.M. & 03.00 P.M. from to everyday except on Sunday and Public Holidays. Tender documents, excluding standard form, will be issued from his office during the hours specified above, on payment of the following :-

i) Rs. in as cost of tender.

ii) Earnest Money of Rs. as mentioned in Bihar Financial Rule . Nationalised/dinstate. (

8. Tenders, which should always be placed in sealed envelope, with the name of work and due date written on the envelopes, will be received by the Dated -----

(Seal & Signature of Tenderer)

Chief Eng neer
BSEIDC. Ltd, Patna
10/10/18

up to 03.00 P.M. on and will be opened by him or his authorized representative in his office on the same day at 03.30 P.M.

9. The Contractor shall be required to deposit an amount equal to 2% of the tendered value of the work as performance guarantee in the form as mentioned in Bihar Financial Rules. F, bank guarantee is acceptable.

10. The description of the work is as follows:-----

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.

* as applicable

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, tool & 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 Corporation and local conditions and other factors having a bearing on the execution of the work.

11. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and the tenders submitted by such contractors who resort to canvassing will be liable to rejection.
12. The competent authority on behalf of the Corporation reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall bound to perform the same at the rate quoted.
13. The contractor shall not be permitted to tender for works in the Corporation in which his near relative is posted as officer in any capacity. 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 Corporation Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of the corporation.
14. No Engineer of Gazetted rank or other Gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of Bihar 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 Government of Bihar in writing. This contract is liable to be cancelled if either the contractor or any of his employee is found any time to be such a person who had not obtained the permission to the Government of Bihar as aforesaid before submission of the tender or engagement in the contractors service.
15. The tender for the works shall remain open for acceptance for a period of days from the date of opening of tenders. If any tenderer withdraws his tender before the said period or issue of letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the Corporation, then the Corporation shall, without prejudice to any other right or remedy, be at liberty to forfeit % of the said earnest money as aforesaid. The

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

Corporation has right to cancel or postpone any work without giving any notice or clarification. 17. The Corporation may add or delete any of the condition required for execution of any work. 18. This Notice Inviting Tender shall form a part of the contract document. The Authority, shall the and of by the successful tenderer contractor.

Signature the Competent Authority
For & on behalf of the Corporation.

**BIHAR STATE EDUCATIONAL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
(A GOVT. OF BIHAR UNDERTAKING)**

Form-2/3

Percentage Rate Tender & Contract for Works

(A) Tender for the work of :-

(i) To be submitted by

(ii) To be opened

Signature of officer issuing the documents

Designation

Date of issue

TENDER

I/We have read and examined the notice inviting tender, schedule, A,B,C,D,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 Bihar State Educational Infrastructure Development Corporation Ltd.. within the time specified in Schedule 'F', viz., schedule of quantities and in accordance in all in 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 respect in accordance with, such conditions so far as applicable.

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

A sum of Rs2,06,200.00(Rupees Two Lacs Six Thousand Two Hundred Only) has been deposited guarantee of a Nationalised / scheduled bank as earnest money. If I/We, fail to furnish the prescribed performance guarantee within prescribed period, I/we agree that the competent Authority of the Corporation 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/we fail to commence work as specified, I/we agree that competent Authority of the corporation or his successors 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

(Seal & Signature of Tenderer)

Chief Eng. B.S.E.I.D.C. Ltd, Patna

42

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 therefrom 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 Corporation.

Dated

Signature of Contractor
Postal Address

Witness :

Address :

Occupation :

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 Bihar State Educational Infrastructure Development Corporation Ltd for a sum of Rs.

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

- a)
- b)
- c)

For & on behalf of the. Bihar State Educational Infrastructure Development Corporation Ltd.

Signature .of the competent Authority.....

Designation of the competent Authority.....

Dated


(Seal & Signature of Tenderer)

Chief Eng neer
B.S.E.I.D.C. Ltd, Patna

10/10/18



GOVERNMENT OF BIHAR
ALL WORKS DEPARTMENT

**General
Rules &
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 and the internet 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 either by one or all the partners or person duly authorised by the partners, it must be signed on behalf of the firm by a person holding the requisite authorisations, such authorisations 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 on account of work done, when executed by a firm, must also be signed by one or all the partners or a duly authorised signatory of the firm.

**Applicable for
Item Rate
Tender only
(Form- 3)**

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 to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. No single tender shall include more than one work, but contractors who wish to tender two or more works shall submit separate tenders for each; with the nature and number of works to which they refer on the envelope.

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

**Applicable for
Percentage
Rate Tender
only
(Form- 2)**

- 4A. In case of Percentage Rate Tenders, tenderer shall fill up the usual printed form, stating at what percentage below/above (in figures as well as in words) the total estimated cost given in Schedule of Quantities at Schedule- A, he will be willing to execute the work Tenders, which propose any alteration in the work specified in the said form of invitation tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. 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 envelope.

If for any special reasons, the contract provides for the payments for work done to be made at a specified percentage below or above the rates entered in the sanctioned estimate of the work (or the Scheduled of Rates), it should be stated in clear terms in

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC. Ltd, Patna 44
10/10/18

the contract that the deductions or additions, as the case may be of the percentage, will be calculated on the gross, and not the net amounts of the bills for work done and in fixing the percentage it should be borne in mind that the calculations will be made.

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 amount 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-I. 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 an acknowledgment or payment to the officer inviting tender and the contractors shall be responsible for seeing that he procures a receipt signed by the office inviting tender or a duly authorized person.
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. For works of sensitive nature the tenderers shall sign a declaration under the Official Secrets Act 1923, for maintaining secrecy of the tender documents drawing or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawing 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 if any discrepancy found or the rates which correspond with the amount worked out 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.
- 10A. In case of Percentage Rate Tenders only percentage quoted shall be considered. Any tender containing item rates is liable to be rejected. Percentage quoted by the contractor in percentage rate tender shall be accurately filled in figures and words, so that there is no discrepancy. However if the contractor has worked out the amount of the tender and if any discrepancy is found in the percentage quoted in words and figures, the percentage which corresponds with the amount worked out by the contractor shall, unless otherwise proved, be taken as correct. If the amount of the tender is not worked out by the contractor or it does not correspond with the percentage written either in figures or in words then the percentage quoted by the contractor in words shall be taken as correct. Where the percentage quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the percentage quoted by the contractor will, unless otherwise proved, be taken as correct and not the amount.

Applicable for
Item Rate
Tender only
(Form- 3)

Applicable for
Percentage
Rate Tender
only (Form- 2)

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC, Ltd, Patna

10/10/18

11. In the case of any tender where unit rates 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.

**Applicable for
Item Rate
Tender only
(Form- 3)**

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 2.15 P' and in case of words, the word, 'Rupees' should precede and the word 'Paise' should be written in the end. Unless the rate is in whole rupee and followed by the word 'only' it should invariably be up to two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line.

**Applicable for
Percentage
Rate Tender
only (Form- 2)**

- 12A. In Percentage Rate Tender, the tenderer shall quote percentage below/above (in figures as well as in words) at which he will be willing to execute the work. He shall also work out the total amount of his offer and the same should be written in figures as well as in words in such a way that no interpolation is possible. 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 2.15 P' and in case of words, the word 'Rupees' should precede and the word 'paise' should be written at the end.

The Quoted rate less than x % below the BOQ cost will be unworkable and bid will be rejected where x = 10 %; if materials will not be issued by the employer. And if materials will be issued by the employer then

$$X = (A - B) / A \times 10 \%$$

Where A = BOQ Cost

B = Cost of materials stipulated to be issued by the employer.

13. (i) The contractor whose tender is accepted, will be required to furnish performance guarantee of 2 (two percent) including earnest money of the tendered amount within specified period. This guarantee shall be in the form of or Bank guarantee from any Nationalised / schedule bank in the State for works of more than one crore.
- (ii) The contractor whose tender is accepted, will also be required to furnish by way of Security Deposit for the fulfillment of his contract, an amount equal to 8 % of the tendered value of the work. The security deposit will be collected by deductions from the running bills of the contractor at the rates mentioned above
14. 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.
15. Sales-tax, purchase tax, turnover tax, service tax, entry tax royalty 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.
16. The contractor shall give a list of both gazetted and non-gazetted BSEIDC employees related to him posted in the division, if any.
17. 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.

(Seal & Signature of Tenderer)

Chief Eng neer
B.S.E.I.D.C. Ltd, Patna 46
10/10/18

- | Name of Work | Name of Particular of Div. where work is | Value of Work | Position of work in Progress | Remarks |
|--------------|--|---------------|------------------------------|---------|
| 1 | 2 | 3 | 4 | 5 |
| | | | | |

- (Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
S. K. Shrivastava
10/10/18

CONDITIONS OF CONTRACT

- Definitions :**
1. The contract means the document forming the tender and acceptances thereof and the formal agreement executed between the competent authority on behalf of the Bihar State Educational Infrastructure Development Corporation Ltd. and the Contractor, together with the documents referred to therein including these conditions, the specifications, designs, drawings and instructions issued from time to time form one contract and shall be complementary to one another.
 2. In the contract, the following expressions shall, unless the context otherwise requires have the meanings, hereby respectively assigned to them :-
 - i) The expression works or work shall, unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the works by or by virtue of the contract contracted to be executed whether temporary or permanent, and whether original, altered, substituted or additional.
 - ii) The site shall mean the land/or other places on, into or through which work is to be executed under the contract or any adjacent land, path or street through which work is to be executed under the contract or any adjacent land, path or street which may be allotted or used for the purpose of carrying out the contract.
 - iii) The Contractor shall mean the individual, firm or company, whether incorporate or not, undertaking the works and shall include the legal personal representative of such individual or the persons composing such firm or company, or the successors of such firm or company and the permitted assignees of such individual, firm of company.
 - iv) The Engineer-in-Charge means the Engineer officer who shall supervise and be in-charge of the work and who shall sign the contract on behalf of the Bihar State Educational Infrastructure Development Corporation Ltd. as mentioned in Schedule 'F' hereunder.
 - v) Corporation shall mean the Bihar State Educational Infrastructure Development Corporation Ltd..
 - vi) Excepted Risk are risks due to riots (other than those on account of contractor employees), war (whether declared or not) invasion, act of foreign enemies, hostilities, civil war, rebellion revolution, insurrection, any act of Government, damages from aircraft, acts of God, such as earthquake, lightening and unprecedented floods, and other causes over which the contractor has no control and accepted as such by the Accepting Authority Provided that the contractor is also to show that he has taken all due precautions to avoid / un minimise any adverse after / damage from the above or causes solely due to use or occupation by Government of the part of the works in respect of which a certificate of completion has been issued or a caused solely due to Government's faulty design of works.
 - vii) Bill of quantity means the price and completed Bill of Quantities forming part of the Bid.
 - viii) The Defect liability certificate is the certificate issued by Engineer-in-Charge after defect liability period has ended and upon correction of defects by the contractor.
 - ix) The defect liability period will be decided by the Corporation for different nature of works from date of completion of the work and must be mentioned in the agreement.

It will be decided by the Corporation for different nature of work from time to time as mentioned in contract Data.

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC, Ltd, Patna
10/10/18

- x) The intended completion date is the time intended to complete the work by the contractor.
- xi) The start date is given in the contract data. It is the date when the contractor shall commence execution of the works. It does not necessarily coincide with any of the site possession date.
- xii) A sub contractor is a person or corporate body who has a contract with the contractor to carry out a part of the construction work in the contract, which includes work on the site.
- xiii) Temporary works are works designed, constructed, installed and removed by the contractor that are needed for construction or installation of the works.
- xiv) Market Rate shall be the rate as decided by the competent authority on the basis of the cost of materials and labour at the site where the work is to be executed plus the percentage mentioned in Schedule 'F' to cover, all overheads and profits.
- xv) Schedule(s) referred to in these conditions shall mean the relevant schedule(s) annexed to the tender papers or the standard Schedule of Government mentioned in Schedule 'F' hereunder, with the amendments thereto issued up to date of receipt of the tender.
- xvi) Corporation means Bihar State Educational Infrastructure Development Corporation Limited, which invite tenders on behalf of Competent Authority of Corporation as specified in schedule 'F'.
- xvii) Specifications means the specifications followed by relevant department of the Government of India / State Government.
- xviii) Tender value means the value of the entire work as stipulated in the letter award.

Scope and Performance

3. Where the context so requires, words imparting the singular only also include the plural and vice versa. Any reference to masculine gender shall whenever required include feminine gender and vice versa.
4. Heading and Marginal notes to these General Conditions of Contract shall not be deemed to form part thereof or be taken into consideration in the interpretation or construction thereof or of the contract.
5. The contractor shall be furnished, free of cost one certified copy of the contract documents except standard specifications, Schedule of Rates and such other printed and published documents, together with all drawings as may be forming part of the tender papers. None of these documents shall be used for any purpose other than that of this contract.

Works to be carried out :

The work to be carried out under the Contract shall, except as otherwise provided these conditions, include all labour, materials, tools, plants, equipment and transport which may be required in preparation of and for and in the full and entire execution and completion of the works. The descriptions given in the Schedule of Quantities (Schedule - A) shall unless otherwise stated, be held to include wastage on materials, carriage and cartage, carrying and return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion of the work as aforesaid in accordance with good practice and recognized principles.

Sufficiency of Tender

The contractor shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender for the works and of the rates and prices quoted in the Schedule of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the works.

Discrepancies and Adjustment of Errors

8. The several documents forming the contract are to be taken as mutually explanatory of one another, detailed drawings being followed in preference to small scale drawing and figured dimensions in preference to scale and special conditions in preference to General Conditions.

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna

- 8.1 In the case of discrepancy between the schedule of Quantities, the Specifications and/or the Drawings, the following order of preference shall be observed :-
- Description of Schedule of Quantities.
 - Particular Specification and Special Condition, if any
 - Drawings.
 - MORT & H specification.
 - Indian Standard Specifications of B.I.S.
- 8.2 If there are varying or conflicting provisions made in any one document forming part of the contract, the Accepting Authority shall be the deciding authority with regard to the intention of the document and his decision shall be final and binding on the contractor.
- 8.3 Any error in description, quantity or rate in Schedule of Quantities or any omission therefrom shall not vitiate the Contract or release the Contractor from the execution of the whole or any part of the works comprised therein according to drawings and specifications or from any of his obligations under the contract.
- Signing of Contract** 9. The successful tenderer/contractor, after submitting the performance guarantee i.e. within 7 days of receipt of letter of acceptance shall attend the office of the Engineer-in-Charge for authentication signing and completion of the contractor document and execute the agreement consisting of :-
- the notice inviting tender, all the documents including drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
 - Standard P.W.D. Form as mentioned in Schedule 'F' consisting of :
Various standard clauses with corrections up to the date stipulated in Schedule 'F' along with annexure thereto.
 - Drawing.

24/11/18

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

CLAUSE OF CONTRACT

CLAUSE 1

Performance Guarantee

- (i) The contractor shall submit an irrevocable PERFORMANCE GUARANTEE of 2% (Two percent) of the tendered amount including earnest money in the shape as mentioned in the Bihar Financial Rules or Bank Guarantee (for work costing more than one crore) or any other deposits mentioned for his proper performance of the contract agreement, (not withstanding and/or without prejudice to any other provisions in the contract) within period specified in scheduled 'F' from the date of issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge up to a maximum period as specified in schedule 'F' on written request of the contractor stating the reason for delays in procuring the Bank Guarantee, to the satisfaction of the Engineer-in-Charge. This guarantee shall be in the form of N.S.C. of Post Office/ Pledged in favour of department; D.D. of any Scheduled Bank or State Bank of India or Bank Guarantee (for work costing more than Rupees one Crore).
- (ii) The performance Guarantee shall be initially valid up to 28 days beyond the defect liability.
- (iii) The Engineer-in-Charge shall not make a claim under the Performance guarantee except for amounts to which the Corporation is entitled under the contract (notwithstanding and/or without prejudice to any other provisions in the contract agreement) in the event of:
 - (a) Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-Charge may claim the full amount of the Performance guarantee.
 - (b) Failure by the contractor to pay the Corporation any amount due, either as agreed by the contractor or determined under any of the Clauses/Conditions of the agreement, within 30 days of the service of notice to this effect by Engineer-in-Charge.
 - (c) Failure by the contractor to rectify any defects as defined in the defect liability clause in the schedule – F of contract data to the satisfaction of the Engineer incharge.
- (iv) In the event of the contract being determined or rescinded under provisions of any of the clause/condition of the agreement, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Governor of Bihar.

CLAUSE 1 A

Recovery of Security Deposit

The person/persons whose tender(s) may be accepted (hereinafter called the contractor) shall permit the Corporation at the time of making any payment to him for work done under the contract to deduct a sum at 8 % (eight percent) from the gross amount of each running bill till full amount of security deposit 10% (ten percent) of agreement value or value of work (whichever is higher) is reached. If value of work exceeds the agreement value, security deposit (10%) will be recovered for the exceeded work.

All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due to or may become due to the contractor by the Corporation on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make good in cash or fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks or Government Securities (if deposited for more than 12 months) endorsed in favour of the Engineer-in-Charge, any sum or sums which may have been deducted from, or raised by sale of his security deposit

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Chief Engineer
BSEIDC Ltd, Patna

or any part thereof. The security deposit shall be collected from the running bills of the contractor at the rates mentioned above and the earnest money at the time of tenders will be treated a part of the Security Deposit.

CLAUSE 2**Compensation
for Delay
(Liquidated
Damage)**

If the contractor fails to maintain the required progress in terms of clause 5 or to complete the work and clear the site on or before the contract or extended date of completion, he shall, without prejudice to any other right or remedy available under the law to the Government / Corporation on account of such breach, pay as agreed compensation the amount calculated at the rates stipulated below as the Superintending Engineer / Chief Consultant (Technical) (whose decision in writing shall be final and binding) may decide on the amount of tendered value of the work for every completed day/month (as applicable) that the progress remains below that specified in Clause 5 or that the work remains incomplete.

This will also apply to items or group of items for which a separate period of completion has been specified.

- i) *Compensation
for delay of work
@ 2 % per month of delay to be computed on per Day basis*

Provided always that the total amount of compensation for delay to be paid under this condition shall not exceed 10% of the Tendered Value of work or to the Tendered Value of the item or group of items of work for which a separate period of completion is originally given.

The amount of compensation may be adjusted or set-off against any sum payable to the Contractor under this or any other contract with the Corporation. In case, the contractor does not achieve a particular milestone mentioned in schedule- F, or the rescheduled milestone(s) in terms of Clause 5.4, the amount shown against that milestone shall be withheld, to be adjusted against the compensation levied at the final grant of extension of time. Withholding of this amount on failure to achieve a milestone, shall be automatic without any notice to the contractor. However, if the contractor catches up with the progress of work on the subsequent milestone(s), the withheld amount shall be released. In case the contractor fails to make up for the delay in subsequent milestone(s), amount mentioned against each milestone missed subsequently also shall be withheld. However, no interest, whatsoever, shall be payable on such withheld amount.

CLAUSE 2A**Incentive
for early
completion**

In case, the contractor completes the work ahead of scheduled completion time, a bonus @ 1% (one percent) of the tendered value per month computed on per day basis, shall be payable the contractor, subject to a maximum limit of 5% (five percent) of the tendered value. The amount of bonus, if payable, shall be paid along with final bill after completion of work. Provided always that provision of the Clause 2A shall be applicable only when so provided in 'Schedule F'.

CLAUSE 3**When Contract
can be
Determined /
Rescined**

Subject to the other provisions contained in this clause the Engineer-In-Charge may, without prejudice to his any other rights or remedy against the contractor in respect of any delay inferior workmanship, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:

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Chief Engineer
BSEIDC Ltd, Patna
10/10/18

- i) If the contractor having been given by the Engineer-in-Charge a notice in writing to rectify, reconstruct or replace any defective work or that the work is being performed in an inefficient or otherwise improper or unworkman like manner shall omit to comply with the requirement of such notice for a period of seven days thereafter.
- ii) If the contractor being a company shall pass a resolution or the court shall make an order that the company shall be wind up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
- iii) If the contractor has, without reasonable cause, suspended the progress of the work or has failed to proceed with the work with due diligence so that in the opinion of the Engineer-in-Charge (which shall be final and binding) he will be unable to secure completion of the work by the date of completion and continues to do so after a notice in writing of seven days from the Engineer-in-Charge.
- iv) If the contractor fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-Charge.
- v) If the contractor persistently neglects to carry out his obligations under the contract and/or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge.
- vi) If the contractor commits any acts mentioned in Clause 21 hereof:
- vii) If the work is not started by the contractor within 1/8th of the stipulated time subject to the maximum of 45 days.

When the contractor has made himself liable for action under any of the cases aforesaid, the Engineer-in-Charge on behalf of the Corporation shall have powers:

- a) To determine or rescind the contract as aforesaid (of which termination or rescission notice in writing to the contractor under the hand of Engineer-in-Charge shall be conclusive evidence). Upon such determination or rescission the Earnest Money Deposit, Security Deposit already recovered and Performance Guarantee under the contract shall be liable to be forfeited and shall be absolutely at the disposal of the Corporation.
- b) After giving notice to the contractor to measure up the work of the contractor and to take such whole, or the balance or part thereof as shall be un-executed out of his hands and to give it to another contractor to complete the work. The contractor, whose contract is determined or rescinded as above, shall not be allowed to participate in the tendering process for the balance work.

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

21/10/18

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

CLAUSE 3A

In case, the work cannot be started due to reasons not within the control of the contractor as decided by the Employer within 1/4th of the stipulated time for completion of work, either party may close the contract. In such eventuality, the Earnest Money deposit and the Performance Guarantee of the contractor shall be refunded, but no payment on account of interest, loss of profit or damages etc. shall be payable at all. the reasons shall be examined by the Superintending Engineer / Chief Consultant (Technical) and his decision shall be final and binding.

CLAUSE 4

Contractor liable to pay compensation even if action not taken under Clause 3 In any case in which any of the powers conferred upon the Engineer-in-Charge by Clause-3 thereof, shall have become exercisable and the same are not exercised the non-exercise thereof shall not constitute a waiver of any of the conditions hereof and such powers shall notwithstanding be exercisable in the event of any future case of default by the contractor and the liability of the contractor for compensation shall remain unaffected. In the event of the Engineer-in-Charge putting in force all or any of the powers vested in him under the preceding clause he may, if he so desires after giving a notice in writing to the contractor, take possession of (or at the sole discretion of the Engineer-in-Charge which shall be final and binding on the contractor) use as on hire (the amount of the hire money being also in the final determination of the Engineer-in-Charge) all or any tools, plant, materials and stores, in or upon the works, or the site thereof belonging to the contractor, or procured by the contractor and intended to be used for the execution of the work. or any part thereof, paying or allowing for the same in account at the contract rates or, in the case of these not being applicable, at current market rates to be certified by the Engineer-in-Charge, whose certificate thereof shall be final, and binding on the contractor, clerk of the works, foreman or other authorized agent to remove such tools, plant, materials, or stores from the premises (within a time to be specified in such notice) in the event of the contractor failing to comply with any such requisition, the Engineer-in-Charge may remove them at the contractor's expense or sell them by auction or private sale on account of the contractor and his risk in all respects and the certificate of the Engineer-in-Charge as to the expenses of any such removal and the amount of the proceeds and expenses of any such sale shall be final and conclusive against the contractor.

CLAUSE 5

Time and Extension for Delay The time allowed for execution of the Works as specified in the Schedule 'F' or the extended time in accordance with these conditions shall be the essence of the Contract. The execution of the works shall commence from such time period as mentioned in letter of acceptance or from the date of handing over of the site whichever is later. If the Contractor commits default in commencing the execution of the work as aforesaid, Corporation shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the security deposit absolutely.

- 5.1 As soon as possible after the contract is concluded the Contractor shall submit a Time & Progress Chart for each milestone and get it approved by the Employer. The Chart shall be prepared in direct relation to the time stated in the Contract documents for completion of items of the work. It shall indicate the forecast of the dates of commencement and completion of various trades or sections of the work and may be amended as necessary by agreement between the Engineer-in-Charge and Contractor within the limitations of time imposed in the contract documents, and further to ensure good progress during the execution of the work, the contractor shall in all cases in which the time allowed for any work, exceeds one month (save for special jobs for which a separate Programme has been agreed upon) complete the work as per milestone given in schedule 'F'.

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna 54
10/11/18

5.2 If the work(s) be delayed by.

- i) force majeure, or
- ii) Serious loss or damage by fire, or
- iii) Civil commotion, local.
- iv) delay on the part of other contractors or tradesmen engaged by Engineer-in-Charge in executing work not forming part of the Contract, or
- v) non-availability of stores, which are the responsibility of Employer to supply or
- vii) non-availability or break down of tools and Plant to be supplied or supplied by Employer or
- vii) any other cause which, in the absolute discretion of the authority mentioned in Schedule 'F' is beyond the Contractor's control.

then upon the happening of any such event causing delay, the Contractor shall immediately give notice thereof in writing to the Engineer-in-Charge but shall nevertheless use constantly his best endeavors to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of the Engineer-in-Charge to proceed with the works.

- 5.3 Request for the rescheduling of Milestones and extension of time, to be eligible for consideration, shall be made by the contractor in writing within fourteen days of the happening of the hindering event causing delay on the prescribed form. The Contractor may also, if practicable, indicate in such a request the period for which extension is desired.
- 5.4 In any such case the authority mentioned in Schedule 'F' may give a fair and reasonable extension of time and reschedule the milestones for completion of work. Such extension shall be communicated to the Contractor by the Engineer-in-Charge in writing, within 3 months of the date of receipt of such request. Non application by the contractor for extension of time shall not be a bar for giving a fair and reasonable extension by the Engineer-in-Charge and this shall be binding on the contractor.
- 5.5 The basic centerlines, reference points and benchmarks will be fixed by the Corporation. The contractor shall establish at his own cost at suitable points, additional reference lines and bench marks as may be necessary and instructed by the Engineer-in-charge. The contractor shall remain responsible for the sufficiency and accuracy of all the bench marks and reference lines.

CLAUSE 5A

The Engineer may require the contractor to attend a progress review meeting during execution of work.

The Engineer shall record the minutes of the meeting and provide a copy to the Contractor for compliance. These minutes will be a part of evidence in case of any request for extension of time or impunitive action against the contractor.

CLAUSE 6

Measurement of Work Done Engineer-in-Charge shall, except as otherwise provided, ascertain and determine measurement and the value in accordance with the contract of work done.

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

All measurement of all items having financial value shall be entered in Measurement Book and/or level field book so that a complete record is obtained of all works perform under the contract.

All measurements and levels shall be taken jointly by the Engineer-in-Charge or his authorized representative and by the contractor or his authorized representative at least once in a month during the progress of the work and such measurements shall be signed and dated by the Engineer-in-Charge and the contractor or their representatives in token of their acceptance. If the contractor objects to any of the measurements recorded, a note shall be made to that effect with reason and signed by both the parties.

If for any reason the contractor or his authorized representative is not available and the work of recording measurements is suspended by the Engineer-in-Charge or his representative, the Engineer-in-Charge and the Corporation shall not entertain any claim from contractor for any loss or damages on this account. If the contractor or his authorized representative does not remain present at the time of such measurements after the contractor or his authorized representative has been given a notice in writing three (3) days in advance or fails to countersign or to record objection within a week from the date of the measurement, then such measurements recorded in his absence by the Engineer-in-Charge or his representative shall be deemed to be accepted by the Contractor.

The contractor shall, without extra charge, provide all assistance with every appliance labour and other things necessary for measurements and recording levels.

Except where any general or detailed description of the work expressly shows to the contrary, measurements shall be taken in accordance with the procedure set forth in the specifications notwithstanding any provision in the relevant Standard Method of measurement or any general or local custom. In the case of items which are not covered by specifications, measurements shall be taken in accordance with the relevant standard method of measurement issued by the Bureau of India Standards and if for any item no such standard is available then a mutually agreed method as approved by the Corporation shall be followed.

The contractor shall give not less than seven days notice to the Engineer-in-Charge or his authorized representative in charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimension thereof be taken before the same is covered up or placed beyond the reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Engineer-in-Charge or his authorized representative in charge of the work who shall within the aforesaid period of seven days inspect the work, and if any work shall be covered up or placed beyond the reach of measurements without such notice having been given or the Engineer-in-Charge's consent being obtained in writing the same shall be uncovered at the contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

Engineer-in-Charge or his authorized representative may cause either themselves or through another officer of the department to check the measurements recorded jointly or otherwise as aforesaid and all provisions stipulated herein above shall be applicable to such checking of measurements or levels.

It is also a term of this contract that recording of measurements of any item of work in the measurement book and/or its payment in the interim, on account or final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement defects noticed till completion of the defects liability period.

CLAUSE 7

**Payment on
Intermediate
Certificate to be
Regarded as
Advances**

No payment shall be made for work for less than the estimated work of Rs. 2.5 lacs till the whole of the work shall have been completed and certificate of completion given. For works estimated to cost over Rs. 2.5 lacs the interim or running account bill shall be submitted by the contractor for the work executed on the basis of such recorded measurements on the format of the Corporation in triplicate on or before the date of every month fixed for the same by the Engineer-in-Charge. The contractor shall not be entitled to be paid any such interim payment if the gross work done together with net payment/ adjustment of advances for material collected, if any, since the last such payment is less than the amount specified in Schedule 'F', in which case the interim bill shall be prepared on the appointed date of the month after the requisite progress is achieved. The Engineer-in-Charge shall arrange to have the bill verified by taking or causing to be taken, where necessary, the requisite measurements of the work. In the event of the failure of the contractor to submit the bills, Engineer-in-Charge shall prepare or cause to be prepared such bills in which event no claims whatsoever due to delays on payment including that of interest shall be payable to the contractor. Payment on account of amount admissible shall be made by the Engineer-in-Charge certifying the sum to which the contractor is considered entitled by way of interim payment at such rates as decided by the Engineer-in-Charge. The amount admissible shall be paid by 10th working day after the day of presentation of the bill by the Contractor to the Engineer-in-Charge or his Assistant Engineer together with the account of the material issued by the Corporation, or dismantled materials, if any. In the case of works outside the headquarters of the Engineer-in-Charge the period of ten working days will be extended to fifteen working days.

All such interim payments shall be regarded as payment by way of advances against final payment only and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re-erected. Any certificate given by the Engineer-in-Charge relating to the work done or materials delivered forming part of such payment may be modified or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evidence that any work or materials to which it relates is/are in accordance with the contract and specifications. Any such interim payment, or any part thereof shall not in any respect conclude, determine or affect in any way powers of the Engineer-in-Charge under the contract or any of such payments be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.

Pending consideration of extension of date of completion interim payments shall continue to be made as herein provided as per clause - 2, without prejudice to the right of the Corporation to take action under the terms of this contract for delay in the completion of work, if the extension of date of completion is not granted by the competent authority.

CLAUSE 8

**Completion
Certificate and
Completion Plans**

Within ten days of the completion of the work, the contractor shall give notice of such completion to the Engineer-in-Charge and within fifteen days of the receipt of such notice the Engineer-in-Charge shall inspect the work and if there is no defect in the work shall furnish the contractor with a final certificate of completion, otherwise a provisional certificate of physical completion indicating defects (a) to be rectified by the contractor and/or (b) for which payment will be made at reduced rates, shall be issued. But no final certificate of completion shall be issued, nor shall the work be considered to be complete until the contractor shall have removed from the premises on which the work shall be executed all scaffolding, surplus materials, rubbish and all huts and

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Chief Engineer
BSEIDC, Ltd, Patna 37
10/10/18

sanitary arrangements required for his/their work people on the site in connection with the execution of the works as shall have been erected or constructed by the contractor(s) and cleaned off the dirt from all wood work, doors, windows, walls, floor or other parts of the building, in, upon, or about which the work is to be executed or of which he may have had possession for the purpose of execution thereof, and not until the work shall have been measured by the Engineer-in-Charge. If the contractor shall fail to comply with the requirements of this clause as to removal of scaffolding, surplus materials and rubbish and all huts and sanitary arrangements as aforesaid and cleaning off dirt on or before the date fixed for the completion of work, the Engineer-in-Charge may at the expense of the contractor remove such scaffolding surplus materials and rubbish etc. and dispose of the same as he thinks fit and clean off such dirt as aforesaid, and the contractor shall have no claim in respect of scaffolding or surplus materials as aforesaid except for any sum actually realised by the sale thereof.

CLAUSE 8A

Contractor to Keep Site Clean

When the annual repairs and maintenance of works are carried out, the splashes and droppings from white washing, color washing, painting etc. on walls, floor, windows etc. shall be removed and the surface cleaned simultaneously with the completion of these items of work in the individual rooms, quarters or premises etc. where the work is done without waiting for the actual completion of all the other items of work in the contract. In case the contractor fails to comply with the requirements of this clause, the Engineer-in-Charge shall have the right to get this work done at the cost of the contractor either departmentally or through any other agency. Before taking such action, the Engineer-in-Charge shall give ten days notice in writing to the contractor.

CLAUSE 8 B

Completion Plans to be Submitted by the Contractor

The contractor shall submit completion plan as required vide General Specifications for Electrical works (Part-I internal) 1972 and (Part-II External) 1974 as applicable within thirty days of the completion of the work.

In case, the contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs. 15,000 (Rs. Fifteen thousand only) as may be fixed by the Superintending Engineer/Chief Consultant(Technical) concerned and in this respect the decision of the Superintending Engineer/ Chief Consultant (Technical) shall be final and binding on the contractor.

CLAUSE 9

Payment of Final Bill

The final bill shall be submitted by the contractor in the same manner as specified in interim bills within three months of physical completion of the work or within one month of the date of the final certificate of completion furnished by the Engineer-in-Charge whichever is earlier. No further claims shall be made by the contractor after submission of the final bill and these shall be deemed to have been waived and extinguished. Payments of those items of the bill in respect of which there is no dispute and of items in dispute, for quantities and rates as approved by Engineer-in-Charge, will, as far as possible be made within the period specified herein under, the period being reckoned from the date of receipt of the bill by the Engineer-in-Charge or his authorized Assistant Engineer, complete with account of materials issued by the Department and dismantled materials.

i) If the Tendered value of work is up to Rs. 1 crores : 2 months

ii) If the Tendered value of work exceeds Rs. 1 crores : 4 months

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Chief Engineer
BSEIDC Ltd, Patna
10/10/18

CLAUSE 9 A

Payment of Contractor's Bills to Banks

Payments due to the contractor may, if so desired by him, be made to his bank instead of direct to him provided that the contractor furnishes to the Engineer-in-Charge (1) an authorisation in the form of a legally valid document such as a power of attorney conferring authority on the bank to receive payments and (2) his own acceptance of the correctness of the amount made out as being due to him by Corporation or his signature on the bill or other claim preferred against Corporation before settlement by the Engineer-in-Charge of the account or claim by payment to the bank. While the receipt given by such banks shall constitute a full and sufficient discharge for the payment, the contractor shall wherever possible present his bills duly receipted and discharges through his bankers.

Nothing herein contained shall operate to create in favour of the bank any rights or equities vis-a-vis the Governor of Bihar.

CLAUSE 10

Materials supplied by Corporation

Materials which the Corporation will supply in rare case are shown in schedule 'B' which also stipulates quantum, place of issue and rate(s) to be charged in respect thereof. The contractor shall be bound to procure them from the Engineer-in-Charge.

As soon as the work is awarded, the contractor shall finalise the programme for the completion of work as per clause 5 of this contract and shall give his estimates of materials required on the basis of drawings/or schedule of quantities of the work. The Contractor shall give in writing his requirement to the Engineer-in-Charge which shall be issued to him keeping in view the progress of work as assessed by the Engineer-in-Charge, in accordance with the agreed phased programme of work indicating monthly requirements of various materials. The contractor shall place his indent in writing for issue of such materials at least 7 days in advance of his requirement.

Such materials shall be supplied for the purpose of the contract only and the value of the materials so supplied at the rates specified in the aforesaid schedule shall be set off or deducted, as and when materials are consumed in items of work (including normal wastage) for which payment is being made to the contractor, from any sum then due or which may therefore become due to the contractor under the contract or otherwise or from the security deposit. At the time of submission of bills the contractor shall certify that balance of materials supplied is available at site in original good condition.

The contractor shall submit along with every running bill (on account or interim bill) material wise reconciliation statements supported by complete calculations reconciling total issue, total consumption and certified balance (diameter/section-wise in the case of steel) and resulting variations and reasons therefore. Engineer-in-Charge shall (whose decision shall be final and binding on the contractor) be within his rights to follow the procedure of recovery in clause 42 at any stage of the work if reconciliation is not found to be satisfactory.

The contractor shall bear the cost of getting the material issued, loading, transporting to site, unloading, storing under cover as required, cutting assembling and joining the several parts together as directed by the engineer-in-charge. Notwithstanding anything to the contrary contained in any other clause of the contract and (or the PWD Code) all stores/materials so supplied to the contractor or procured with the assistance of the Corporation shall remain the absolute property of the Corporation and the contractor shall be the trustee of the stores/materials, and the said stores/materials shall not be removed/disposed off from the site of the work on any account and shall be at all times open to inspection by the Engineer-in-Charge or his authorized agent. Any such stores/materials remaining unused shall be returned to the Engineer-in-Charge in as good a condition in which they were originally supplied at a require, but in case it is

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

97

decided not to take back the stores/materials the contractor shall have no claim for compensation on any account of such stores/materials so supplied to him as aforesaid and not used by him or for any wastage in or damage to in such stores/materials.

On being required to return the stores/materials, the contractor shall hand over the stores/materials on being paid or credited such price as the Engineer-in-Charge shall determine, having due regard to the condition of the stores/materials. The price allowed for credit to the contractor, however, shall be at the prevailing market rate not exceeding the amount charged to him, excluding the storage charge, if any. The decision of the Engineer-in-Charge shall be final and conclusive. In the event of breach of the aforesaid condition, the contractor shall in addition to the throwing himself open to account for contravention of the terms of the licences or permit and/or for criminal breach of trust, be liable to the Corporation for all advantages or profits resulting or which in the usual course would have resulted to him by reason or such breach. Provided that the contractor shall in no case be entitled to any compensation or damages on account of any delay in supply or non-supply thereof all or any such materials and stores provided further that the contractor shall be bound to execute the entire work if the materials are supplied by the Corporation within the original scheduled time for completion of the work plus 50% thereof or schedule time plus 6 months whichever is more if the time of completion of work exceeds 12 months but if a part of the materials only has been supplied within the aforesaid period then the contractor shall be bound to do so much of the work as may be possible with the materials and stores supplied in the aforesaid period. For the completion of the rest of the work, the contractor shall be entitled to such extension of time as may be determined by the Engineer-in-Charge whose decision in this regard shall be final and binding on the contractor.

The contractor shall see that only the required quantities of materials are got issued. Any such material remaining unused and in perfectly good/original condition at the time of completion or determination of the contract shall be returned to the Engineer-in-Charge at the stores from which it was issued or at a place directed by him by a notice in writing. The contractor shall not be entitled for loading, transporting, unloading and stacking of such unused material except for the extra lead, if any involved, beyond the original place of issue. Quantities issued in excess of requirement with respect to work done and not returned back to the department, recovery will be made of double of issue rate.

CLAUSE 10 A

**Materials to
be provided
by the
Contractor**

The contractor shall, at his own expense, provide all materials, required for the works other than those, which are stipulated, to be supplied by the Corporation.

The contractor shall, at his own expense and without delay, supply to the Engineer-in-Charge samples of materials to be used on the work and shall get these approved in advance. All such materials to be provided by the Contractor shall be in conformity with the specifications laid down or referred to in the contract. The contractor shall, if requested by the Engineer-in-Charge furnish proof, to the satisfaction of the Engineer-in-Charge that the materials so comply. The Engineer-in-Charge shall within fifteen days of supply of samples or within such further period as he may require intimate to the Contractor in writing whether sample are approved by him or not. If samples are not approved, the Contractor shall forthwith arrange to supply to the Engineer-in-Charge for his approval fresh samples complying with the specifications laid down in the contract. When materials are required to be tested in accordance with specifications, approval of the Engineer-in-Charge shall be issued after the test results are received.

The Contractor shall at his risk and cost submit the samples of materials to be tested or analysed and shall not make use of or incorporate in the work any materials

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Chief Engineer
BSEIDC, Ltd, Patna

represented by the samples until the required tests or analysis have been made and materials finally accepted by the Engineer-in-Charge. The Contractor shall not be eligible for any claim or compensation either arising out of any delay in the work or due to any corrective measures required to be taken on account of and as a result of testing of materials.

The contractor shall, at his risk and cost, make all arrangements and shall provide all facilities as the Engineer-in-Charge may require for collecting, and preparing the required number of samples for such tests at such time and to such place or places as may be directed by the Engineer-in-Charge and bear all charges and cost of testing unless specifically provided for otherwise elsewhere in the contract or specifications. The Engineer-in-Charge or his authorized representative shall at all time have access to the works and to all workshops and places where work is being prepared or from where materials, manufactured articles or machinery are being obtained for the works and the contractor shall afford every facility and every assistance in obtaining the right to such access.

The Engineer-in-Charge shall have full powers to require the removal from the premises of all materials which in his opinion are not in accordance with the specifications and in case of default the Engineer-in-Charge shall be at liberty to employ at the expense of the contractor, other persons to remove the same without being answerable or accountable for any loss for damage that may happen or arise to such materials. The Engineer-in-Charge shall also have full powers to require other proper materials to be substituted thereof and in case of default the Engineer-in-Charge may cause the same to be supplied and all costs which may attend such removal and substitution shall borne by the Contractor.

CLAUSE 10 B

Secured Advance on Non-perishable Materials

- i) The contractor, on signing an indenture in the form to be specified by the Engineer-in-Charge, shall be entitled to be paid during the progress of the execution of the work up to 75% of the assessed value of any materials which are in the opinion of the Superintending Engineer / Chief Consultant(Technical) of the Corporation nonperishable, non-fragile and noncombustible and are in accordance with the contract and on the site in connection therewith and are adequately stored and/or protected against damage by weather or other causes but which have not at the time of advance been incorporated in the works. When materials on account of which advance has been made under this sub-clause are incorporated in the work the amount of such advance shall be recovered/deducted from the next payment made under any or the clause or clauses of this contract.
- ii) Mobilization advance not exceeding 10% of the tendered value may be given, if requested by the contractor in writing within one month of the order to commence the work. In such a case the contractor shall execute a Bank Guarantee/ Bond from a Scheduled Nationalised Bank as specified by the Engineer-in-Charge for the full amount of such advance before it is released. Such advance shall be in two or more installments to be determined by the Engineer-In-charge at his absolute discretion. The first installment of such advance before shall be released by the Engineer-in-Charge to the contractor on a request made by the contractor to the Engineer-in-Charge in this behalf. The second and subsequent installment shall be released by the Engineer-in-Charge only after the contractor furnishes a proof of the satisfactory utilisation of the earlier installment to the entire satisfaction of the Engineer-In-Charge.

Plant & Machinery & Shuttering Material Advance

- iii) An advance for plant machinery required for the work and brought to site by the Contractor may be given if requested by the contractor in writing within one month of bringing such plant and machinery to site. Such advance shall be given on such plant and machinery which in the opinion of the Engineer-in-Charge will add to the

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna 61
10/10/18

expeditious execution of work and improve the quality of work. The amount of advance shall be restricted to 5% of the tender value. In the case of new plant and equipment to be purchased for the work the advance shall be restricted to 85% of the price of such new plant and equipment paid by the contractor for which the contractor shall produce evidence satisfactory to the Engineer-in-Charge and approval from Engineer-in-Charge. In the case of second hand and used plants and equipment, the amount of such advance shall be limited to 50% of the depreciated value of plant and equipment as may be decided by the Engineer-in-Charge. The contractor shall, if so required by the Engineer-in-Charge, submit the statement value of such old plant and equipment duly approved by a Registered Valuer recognized by the Central Board of Direct Taxes under the Income-Tax Act, 1961. No such advance shall be paid on any plant and equipment of perishable nature and on the plant and equipment of a value less than Rs. 50,000/- Seventy five percent of such amount of advance shall be paid after the plant & equipment is brought to site and balance twenty five percent on successfully commissioning the same only after approval from Engineer-in-Charge.

Leasing of equipment shall be considered at par with purchase of equipment and shall be covered by tripartite agreement with the following:

1. Leasing company which gives certificate of agreeing to lease equipment to the contractor.
2. Engineer in Charge, and
3. The contractor.

This advance shall further be subject to the condition that such plant and equipment (a) are considered by the Engineer-in-Charge to be necessary for the works; (b) and are in and are maintained in working order; (c) hypothecated to the Government as specified by the Engineer-in-Charge before the payment of advance is released. The contractor shall not be permitted to remove from the site such hypothecated plant and equipment without the prior written permission of the Engineer-in-Charge. The contractor shall be responsible for maintaining such plant and equipment in good working order during the entire period of hypothecation falling which such advance shall be entirely recovered in lump sum. For this purpose steel scaffolding and from work shall be treated as plant and equipment.

The contractor shall insure the Plant and Machinery for which mobilization advance is sought and given, for a sum sufficient to provide for their replacement at site. Any amounts not recovered from the insurer will be borne by the contractor.

**Interest &
Recovery**

- iv) The mobilization advance and plant and machinery advance in (ii)&(iii) above bear simple interest and should be equal to the prevailing rate of interest charged by the bank as mentioned in contract date schedule 'F' and shall be calculated from the date of payment to the date of recovery, both days inclusive, on the outstanding amount of advance. Recovery of such sums advanced shall be made by the deduction from the contractor's bills commencing after first ten per cent of the gross value of the work is executed and paid, on pro-rata percentage basis to the gross value of the work billed beyond 10% in such a way that the entire advance is recovered by the time eighty per cent of the gross value of the contract is executed and paid, together with interest due on the entire outstanding amount up to the date of the installment.

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

- v) If the circumstances are considered reasonable by the Engineer-in-Charge, the period mentioned in (ii) and (iii) for request by the contractor in writing for grant of mobilization advance and plant and equipment advance may be extended in the discretion of the Chief Executive Officer.
- vi) The said bank guarantee for advances shall initially be made for the full amount and valid for the contract period, and be kept renewed from time to time to cover the balance amount and likely period of complete recovery together with interest.
- vii) Any materials including tools plants equipments etc brought to the site shall not be removed from the sites without the written permission of the Engineer-in-charge.

CLAUSE 10 C

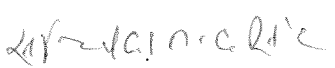
**Payment on
Account of
Increase in
Prices/Wages
due to Statutory
Order(s)**

If after submission of the tender the price of any material incorporated in the works (not being a material supplied from the Engineer-in-Charge's stores in accordance with clause 10 thereof) and/or wages of labour increases as a direct result of the coming into force of any fresh law, or statutory rule or order (but not due to any changes in sales tax) and such increase in the price and/or wages prevailing at the time of the last stipulated date for receipt of the tenders including extensions if any for the work, and the contractor thereupon necessarily and properly pays in respect of that material (incorporated in the works) such increased price and/or in respect of labour engaged on the execution of the work such increased wages, then the amount of the contract shall accordingly be varied and provided further that any such increase shall not be payable if such increase has become operative after the stipulated date of completion of the work in question.

If after submission of the tender, the price of any material incorporated in the works (not being a material supplied from the Engineer-in-Charge's stores in accordance with clause 10 thereof) and/or wages of labour is decreased as a direct result of the coming into force of any law or statutory rules or order (but not due to any changes in sales tax) and such decrease in the prices and/ or wages prevailing at the time of receipt of the tender for the work. The Corporation shall in respect of materials incorporated in the works (not being materials supplied from the Engineer-in-Charge's stores in accordance with Clause-10 hereof) and/or labour engaged on the execution of the work after the date of coming into force of such law statutory rule or order be entitled to deduct from the dues of the contractor such amount as shall be equivalent to the difference between the prices of the materials and/or wages as prevailed at the time of the last stipulated date for receipt of tenders including extensions if any for the work and the price of materials and/or wages of labour on the coming into force of such law, statutory rule or order.

The contractor shall, for purpose of this condition, keep such books of account and other documents as are necessary to show the amount of any increase claimed or reduction available and shall allow inspection of the same by a duly authorised representative of the Corporation, and further shall, at the request of the Engineer-in-Charge may require any documents so kept and such other information as the Engineer-in-Charge may require.

The contractor shall, within a reasonable time of his becoming aware of any alteration in the price of any such material and/or wages of labour, give notice thereof to the Engineer-in-Charge stating that the same is given pursuant to this condition together with all information relating thereto which he may be in position to supply.


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Chief Engineer
B.S.E.I.D.C. Ltd, Patna

10/10/18

CLAUSE 10 CA**Payment on Account of Increase/decrease in Prices of construction materials after receipt of tender.**

If after submission of the tender, the price of cement or steel reinforcement bars / bitumen incorporated in the works (not being a material supplied from the Engineer-in-Charge's stores in accordance with Clause 10 thereof) increase(s) beyond the price(s) prevailing at the time of the last stipulated date for receipt of tenders (including extensions, if any) for the work, then the amount of the contract shall accordingly be varied and provided further that any such increase shall not be payable if such increase has become operative after the stipulated date of completion of work in question.

If after submission of the tender, the prices of cement and/or steel reinforcement bars / bitumen incorporated in the works (not being a material stipulated from the Engineer-in-Charge's stores in accordance with the Clause 10 thereof) is decreased, Corporation shall in respect of these materials incorporated in the works (not being materials supplied from the Engineer-in-Charge's stores in accordance with Clause 10 thereof) be entitled to deduct from the dues of the contractor such amount as shall be equivalent to the difference between the prices of Cement and/or Steel reinforcement bars/ bitumen as prevailed at the time of last stipulated date for receipt of tenders including extensions if any for the work and the prices of these materials on the coming into force of such base price of cement and/or steel reinforcement bars/ bitumen issued under authority of Schedule of Rate Committee.

The increase/decrease in prices shall be determined by the All India Wholesale Price Indices for Cement and Steel (bars and rods) as published by Economic Advisor to Government of India, Ministry of Commerce and Industry and base price for cement and/or steel reinforcement bars / bitumen as issued under authority of Schedule of Rate Committee as valid on the last stipulated date of receipt of tender, including extension if any and for the period under consideration.

The amount of the contract shall accordingly be varied for cement or steel reinforcement bars / bitumen and will be worked out as per the formula given below:-

Adjustment for cement component

- (i) Price adjustment for increase or decrease in the cost of cement procured by the contractor shall be paid in accordance with the following formula:

$$V_0 = 0.85 \times P_c / 100 \times R \times (C_1 - C_0) / C_0$$

V_0 = increase or decrease in the cost of work during the month under consideration due to changes in rates for cement.

R = Value of the work.

C_0 = The all India wholesale price index for cement on 28 days preceding the date of opening of Bids as published by the Ministry of Industrial Development, Government of India, New Delhi.

C_1 = The all India average wholesale price index for cement for the month under consideration as published by Ministry of Industrial Development, Government of India, New Delhi.

P_c = Percentage of cement component of the work.

Adjustment for Steel component

- (ii) Price adjustment for increase or decrease in the cost of steel procured by the Contractor shall be paid in accordance with the following formula:

$$V_s = 0.85 \times P_s / 100 \times R \times (S_1 - S_0) / S_0$$

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC Ltd, Patna
10/10/16

V_s = Increase or decrease in the cost of work during the month under consideration due to changes in the rates for steel.

S_0 = The all India wholesale price index for steel (Bars and Rods) on 25 days preceding the date of opening of Bids as published by the Ministry of Industrial Development, Government of India New Delhi.

S_1 = The all India average wholesale price index for steel (Bars and Rods) for the month under consideration as published by Ministry of Industrial Development, New Delhi.

P_s = Percentage of Steel component of the work.

Note : For the application of this clause, index of Bars and Rods has been chosen to represent steel group.

Adjustment of bitumen component

(iii) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_b = 0.85 \times P_b / 100 \times R \times (B_1 - B_0) / B_0$$

V_b = Increase or decrease in the cost of work during the month under consideration due to changes in rates for bitumen.

B_0 = The office retail price of bitumen at the IOC depot at nearest center on the day 28 days prior to date of opening of Bids.

B_1 = The official retail price of bitumen of IOC depot at nearest center for the 15th day of the month under consideration.

P_b = Percentage of bitumen component of the work.

CLAUSE 10 CC

Payment due to increase / Decrease in Prices / Wages after receipt of tender (Time of completion more than 18 months) Contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formula given in the contract data :

(a) The price adjustment shall apply for the work done from the start date given in the contract data upto end of the initial intended completion date or extensions granted by the Engineer and shall not apply to the work carried out beyond the stipulated time for reasons attributable to the contractor.

(b) Following expressions and meanings are assigned to the work done during each month:

R = Total value of work done during the month. It would include the amount of secured advance granted, if any, during the month, less the amount of secured advance recovered, if any during the month. It will exclude value for works executed under variations for which price adjustment will be worked separately based on the terms mutually agreed.

(c) To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clauses in the contract, the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

The formula (e) for adjustment of prices are:

Adjustment for labour component

(i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

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Chief Engineer
BSEIDC, Ltd, Patna 65
Signature
10/10/18

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$$V_L = 0.85 \times P_1/100 \times R \times (L_1 - L_0)/L_0$$

V_L = increase or decrease in the cost of work during the month under consideration due to changes in rates for local labour.

L_0 = the consumer price index for industrial workers for the State on 28 days preceding the date of opening of Bids as published by Labour Bureau, Ministry of Labour, Government of India.

L_1 = The consumer price index for industrial workers for the State for the under consideration as published by Labour Bureau, Ministry of Labour, Government of India.

P_1 = Percentage of labour component of the work.

Adjustment for cement component

- (ii) Price adjustment for increase or decrease in the cost of cement procured by the contractor shall be paid in accordance with the following formula:

$$V_0 = 0.85 \times P_0/100 \times R \times (C_1 - C_0)/C_0$$

V_0 = increase or decrease in the cost of work during the month under consideration due to changes in rates for cement.

C_0 = The all India wholesale price index for cement on 28 days preceding the date of opening of Bids as published by the Ministry of Industrial Development, Government of India, New Delhi.

C_1 = The all India average wholesale price index for cement for the month under consideration as published by Ministry of Industrial Development, Government of India, New Delhi.

P_c = Percentage of cement component of the work.

Adjustment for Steel component

- (iii) Price adjustment for increase or decrease in the cost of steel procured by the Contractor shall be paid in accordance with the following formula:

$$V_s = 0.85 \times P_s/100 \times R \times (S_1 - S_0)/S_0$$

V_s = Increase or decrease in the cost of work during the month under consideration due to changes in the rates for steel.

S_0 = The all India wholesale price index for steel (Bars and Rods) on 25 days preceding the date of opening of Bids as published by the Ministry of Industrial Development, Government of India New Delhi.

S_1 = The all India average wholesale price index for steel (Bars and Rods) for the month under consideration as published by Ministry of Industrial Development, New Delhi.

P_1 = Percentage of labour component of the work.

Note : For the application of this clause, index of Bars and Rods has been chosen to represent steel group.

Adjustment of bitumen component

- (iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_b = 0.85 \times P_b/100 \times R \times (B_1 - B_0)/B_0$$

V_b = Increase or decrease in the cost of work during the month under consideration due to changes in rates for bitumen.

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna

B_0 = The office retail price of bitumen at the IOC depot at nearest center on the day 28 days prior to date of opening of Bids.

B_1 = The official retail price of bitumen of IOC depot at nearest center for the 15th day of the month under consideration.

P_1 = Percentage of bitumen component of the work.

Adjustment of POL (fuel and lubricant) component

(v) Price adjustment for increase or decrease in the cost of POL (fuel and lubricant) shall be paid in accordance with the following formula.

$$V_f = 0.85 \times P_f / 100 \times R \times (F_1 - F_0) / F_0$$

V_f = Increase or decrease in the cost of work during the month under consideration due to changes in rates for fuel and lubricants.

F_0 = The official retail price of High Speed Diesel (HSD) at the existing consumer pumps of IOC at nearest center on the day 28 days prior to the date of opening of Bids.

F_1 = The official retail price of HSD at the existing consumer pumps of IOC at nearest center for the 15th day of month of the under consideration.

P_1 = Percentage of fuel and lubricants component of the work.

Note : For the application of this clause, the price of High Speed Diesel oil has been chosen to represent fuel and lubricants group.

Adjustment for Plant and Machinery Spares component

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the Contractor shall be paid in accordance with the following formula :

$$V_p = 0.85 \times P_p / 100 \times R \times (P_1 - P_0) / P_0$$

V_p = Increase or decrease in the cost of work during the month under consideration due to changes in rates for plant and machinery spares.

P_0 = The all India wholesale price index for heavy machinery and parts on 28 days preceding the date of opening of Bids as published by the Ministry of Industrial Development Government of India, New Delhi.

P_1 = The all India average wholesale price index for heavy machinery and parts for the month under consideration as published by Ministry of Industrial Development, Government of India, New Delhi.

P_1 = Percentage of plant and machinery spares component of the work.

Note : For the application of this clause, index of Heavy Machinery and Parts has been chosen to represent the Plant and Machinery Spares group.

Adjustment of other materials component

(vii) Price adjustment for increase or decrease in cost of local materials other than cement, steel, bitumen and POL procured by the contractor shall be paid in accordance with the following formula:

$$V_m = 0.85 \times P_m / 100 \times R \times (M_1 - M_0) / M_0$$

V_m = Increase or decrease in the cost of work during the month under consideration due to changes in rates for local materials other than cement, steel, bitumen and POL.

M_0 = The all India wholesale price index (all commodities) on 28 days preceding the date of opening of Bids, as published by the Ministry of Industrial Development, Government of India, New Delhi.

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Chief Engineer 67
BSEIDC Ltd, Patna

M_1 = The all India wholesale price index (all commodities) for the month under consideration as published by Ministry of Industrial Development, Government of India, New Delhi.

P_1 = Percentage of local material component (other than cement, steel, bitumen and POL) of the work.

The following percentages will govern the price adjustment for the entire contract:

1.	Labour - P_1	25 %
2.	Cement - P_c	5 %
3.	Steel - P_s	5 %
4.	Bitumen - P_b	10 %
5.	POL - P_f	5 %
6.	Plant & Machinery Spares - P_p	5 %
7.	Other materials - P_m	45 %
		Total 100%

(viii) In contract where clause 10CA is applicable, this clause 10CC will not be applicable and in contract where this clause 10CC is applicable previous clause 10CA will not be applicable.

CLAUSE 10 D

**Dismantled
Material Govt.
Property**

The contractor shall treat all materials obtained during dismantling of a structure, excavation of the site for a work, etc. as Employer's property and such materials shall be disposed off to the best advantage of Employer according to the PWD codal provision.

CLAUSE 11

**Work to be
Executed in
Accordance with
Specifications,
Drawings, Orders
etc.**

The contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner both as regards materials and otherwise in every respect in strict accordance with the specifications. The contractor shall also conform exactly, fully and faithfully to the design, drawings and instructions in writing in respect of the work signed by the Engineer-in-Charge and the contractor shall be furnished free of charge one copy of the contract documents together with specification, designs, drawings and instruction as are not included in the standard specifications of Public Works Department specified in Schedule 'F' or in any Bureau of Indian Standard or any other, published standard or code or, Schedule of Rates or any other printed publication referred to elsewhere in the contract.

The contractor shall comply with the provisions of the contract and with the care and diligence execute and maintain the works and provide all labour and materials, tools and plants including for measurements and supervision of all works, structural plans and other things of temporary or permanent nature required for such execution and maintenance in so far as the necessity for providing these, is specified or is reasonably inferred from the contract. The Contractor shall take full responsibility for adequacy, suitability and safety of all the works and methods of construction.

CLAUSE 12

**Deviations/
Variations Extent
and Pricing**

The Engineer-in-Charge (As per codal provision) shall have power (i) to make alternation in, omissions from, additions to, or substitutions for the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work, and (ii) to omit a part of the works in case of non-availability of a portion of the site or for any other reasons and the contractor shall be bound to carry out the works in accordance with any instructions given to him in writing signed by the Engineer-in-Charge after approval from competent authority and such alterations

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna 68
10/12/18

omissions, additions or substitutions shall form part of the contract as if originally provided therein and any altered, additional or substituted work which the contractor may be directed to do in the manner specified above as part of the works, shall be carried out by the contractor on the same conditions in all respects including price on which he agreed to do the main work except as hereafter provided.

- 12.1 The time for completion of the works shall, in the event of any deviations resulting in additional cost over the tendered value sum being ordered, be extended, if requested by the contractor, as follows :
- In the proportion which the additional cost of the altered, additional or substituted work, bears to the original tendered value plus.
 - 25% of the time calculated in (i) above or such further additional time as may be considered reasonable by the Engineer-in-Charge after approval from competent authority

**Deviation,
Extra items
and Pricing**

- 12.2 In the case of extra item(s) the contractor may within fifteen days of receipt of order or occurrence of the item(s) claim rates, supported by proper analysis, for the work and the Engineer-in-Charge after approval from competent authority shall within one month of the receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates as per power delegated in PWD Code and on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

**Deviation,
Substituted
Items, Pricing**

In the case of substituted items, the rate for the agreement item (to be substituted) and substituted item shall also be determined in the manner as mentioned in the aforesaid para.

- If the market rate for the substituted item so determined is more than the market rate of the agreement item (to be substituted) the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so increased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).
- If the market rate for the substituted item so determined is less than the market rate of the agreement item (to be substituted) the rate payable to the contractor for the substituted item shall be the rate for the agreement item (to be substituted) so decreased to the extent of the difference between the market rates of substituted item and the agreement item (to be substituted).

**Deviation,
Deviated
Quantities,
Pricing**

In the case of contract items, substituted items, contract cum substituted items, which exceed the limits laid down in Schedule F, the contractor may within fifteen days of receipt of order or occurrence of the excess, claim revision of the rates, supported by proper analysis, for the work in excess of the above mentioned limits, provided that if the rates so claimed are in excess of the rates specified in the schedule of quantities the Engineer-in-Charge shall within one month of receipt of the claims supported by analysis, after giving consideration to the analysis of the rates submitted by the contractor, determine the rates as per power delegated in PWD Code and on the basis of the market rates and the contractor shall be paid in accordance with the rates so determined.

- 12.3 The provisions of the preceding paragraph shall also apply to the decrease in the rates of items for the work in excess of the limits laid down in Schedule 'F' and the Engineer-in-Charge shall after giving notice to the contractor within one month of occurrence of the excess and after taking into consideration any reply received from him within fifteen days of receipt of the notice, revise the rates as per power delegated in PWD Code for the work


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Chief Engineer 69
BSEIDC, Ltd, Patna

10/10/18

in question within one month of expiry of the said period of fifteen days having regard to the market rates or current schedule of rate.

12.4 The contractor shall send to the Engineer-in-Charge once every three months an up to date account giving complete details of all claims for additional payments to which the contractor may consider himself entitled and of all additional work ordered by the Engineer-in-Charge after approval from competent authority which he has executed during the preceding quarter failing which the contractor shall be deemed to have waived his right. However, the Superintending Engineer / Chief Consultant (Technical) is authorized for consideration of such claims on merits.

12.5 For the purpose of operation of Schedule 'F' the following works shall be treated as works relating to foundation :

- i) For buildings, compound walls plinth level or 1.2 meters (4 feet) above ground level whichever is lower excluding items of flooring and D.P.C. but including base concrete below the floors.
- ii) For abutments, piers, retaining walls of culverts and bridges, walls of water reservoirs the bed of floor level.
- iii) For retaining walls where floor level is not determinate 1.2 meters above the average ground level or bed level.
- iv) For Roads all items of excavation and filling including treatment of sub-base.

12.6 Any operation incidental to or necessary has to be in contemplation of tenderer while filing tender, or necessary for proper execution of the item included in the Schedule of quantities or in the schedule of rates mentioned above, whether or not, specifically indicated in the description of the item and the relevant specifications, shall be deemed to be included in the rates quoted by the tenderer or the rate given in the said schedule of rates, as the case may be. Nothing extra shall be admissible for such operations.

CLAUSE 13

Foreclosure of Contract due to Abandonment or Reduction in Scope of Work

If at any time after acceptance of the tender, Corporation shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the Engineer-in-Charge shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

The contractor shall be paid at contract rates for works executed at site only.

CLAUSE 14

Cancellation of contract in full or part

If the contractor :

- i) at any time makes default in proceeding with the works or any part of the work with due diligence and continues to do so after a notice in writing of 7 days from the Engineer-in-Charge; or
- ii) Commits default to comply with any of the terms and conditions of the contract and does not remedy it or take effective steps to remedy it within 7 days after a notice in writing is given to him in that behalf by the Engineer-in-Charge; or
- iii) Fails to complete the works or items of work with individual dates of completion, on or before the date(s) of completion, and does not complete them within the period specified in a notice given in writing in that behalf by the Engineer-in-Charge; or

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

- iv) Shall offer or give or agree to give to any person in Government / Corporation service or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract for Government / Corporation; or
- v) Shall enter into a contract with Corporation in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Accepting Authority/Engineer-in-Charge; or
- vi) Shall obtain a contract with Corporation as a result of wrong tendering or other non-bonafide methods of competitive tendering; or
- vii) Being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Act for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors; or
- viii) Being a company, shall pass a resolution or the Court shall make an order for the winding up of the company, or a receiver or manager on behalf of the debenture holders or otherwise shall be appointed or circumstances shall arise which entitle the Court or debenture holders to appoint a receiver or manager; or
- ix) Shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days; or
- x) Assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer sublet or otherwise parts with the entire works or any portion thereof without the prior written approval of the Competent Authority;

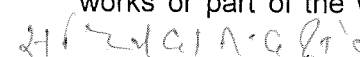
The Competent Authority may, without prejudice to any other right or remedy which shall have accrued or shall accrue hereafter to Government, by a notice in writing to cancel the contract as a whole or only such items of work in default from the Contract.

The Engineer-in-Charge shall on such cancellation by the Competent Authority have powers to :

- (a) Take possession of the site and any materials, constructional plant, implements stores, etc., thereon; and/or
- (b) Carry out the incomplete work by any means at the risk and cost of the contractor.

On cancellation of the contract in full or in part, the Engineer-in-Charge shall determine what amount, if any, is recoverable from the contractor for completion of the works or part of the works or in case the works or part of the works is not to be completed, the loss of damage suffered by Corporation. In determining the amount, credit shall be given to the contractor for the value of the work executed by him up to the time of cancellation, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor.

Any excess expenditure incurred or to be incurred by the Corporation in completing the works or part of the works or the excess loss or damages suffered or which may be


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Chief Engineer
BSEIDC, Ltd, Patna


10/10/18

suffered by the Corporation as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to the Corporation in law be recovered from any moneys due to the contractor on any account, and if such moneys are not sufficient the contractor shall be called upon in writing and shall be liable to pay the same within 31 days.

If the contractor fails to pay the required sum within the aforesaid period of 30 days the Engineer-in-Charge shall have the right to sell any or all of the contractors unused materials, constructional plant, implements, temporary buildings, etc. and apply the proceeds of sale thereof towards the satisfaction of any sums due from the contractor under the contract and if thereafter there be any balance is outstanding from the contractor, it shall be recovered in accordance with the provisions of the contract.

Any sums in excess of the amounts due to Employer and unsold materials, constructional plant, etc., shall be returned to the contractor, provided always that if cost or anticipated cost of completion by the Corporation of the works or part of the works is less than the amount which the contractor would have been paid had he completed the works or part of the works, such benefit shall not accrue to the contractor.

CLAUSE 15

Suspension of Work

i) The contractor shall, on receipt of the order in writing of the Engineer-in-Charge (whose decision shall be final and binding on the contractor) suspend the progress of the works or any part thereof for such time and in such manner as the Engineer-in-Charge may consider necessary so as not to cause any damage or injury to the work already done or endanger the safety thereof, for any of the following reasons :

- a) on account of any default on the part of the contractor or;
- b) for proper execution of the works or part thereof for reasons other than the default of the contractor; or
- c) for safety of the works or part thereof.

The contractor shall, during such suspension, properly protect and secure the works to the extent necessary and carry out the instructions given in that behalf by the Engineer-in-Charge.

ii) If the suspension is ordered for reasons (b) and (c) in sub-para (i) above, the contractor shall be entitled to an extension of time equal to the period of every such suspension PLUS 25%, for completion of the item or group of items of work for which a separate period of completion is specified in the contract and of which the suspended work forms a part, and;

CLAUSE 16

Action in case Work not done as per Specifications

All works under or in course of execution or executed in pursuance of the contract shall at all times be open and accessible to the inspection and supervision of the Engineer-in-Charge, his authorised subordinates in charge of the work and all the superior officers, officer of the Quality Control Organisation of the Corporation and of the Cabinet (Technical) Vigilance, and the contractor shall, at all times, during the usual working hours and at all other times at which reasonable notice of the visit of such officers has been given to the contractor, either himself be present to receive orders and instructions or have a responsible agent duly accredited in writing, present for that purpose. Orders given to the Contractor's agent shall be considered to have the same force as if they had been given to the contractor himself.

If it shall appear to the Engineer-in-Charge or his higher authority or his authorised subordinates in charge of the work or to the Cabinet (Technical) Vigilance or his subordinate officers, that any work has been executed with unsound, imperfect, or unskillful workmanship, or with materials or article provides by him for the execution of

the work which are unsound or of a quality inferior to that contracted or otherwise not in accordance with the contract the contractor shall, on demand in writing which shall be made within the period specified in schedule – F of contract data from the Engineer-in-Charge specifying the work, materials or articles complained of notwithstanding that the same may have been passed, certified and paid for forthwith rectify, or remove and reconstruct the work so specified in whole or in part, as the case may require or as the case may be, remove the materials or articles so specified and provide other proper and suitable materials or articles at his own charge and cost. In the event of the contractor failing to do so within a period specified by the Engineer-in-Charge in his demand aforesaid, then the contractor shall be liable to pay compensation at the same rate as under clause 2 of the contract (for non-completion of the work in time) for this default.

In such case the Engineer-in-Charge may not accept the item of work at the rates applicable under the contract but may accept such items at reduced rates as the competent authority may consider reasonable during the preparation of on account bills or final bill if the item is so acceptable without detriment to the safety and utility of the item and the structure and incidental items rectified, or removed and re-executed at the risk and cost of contractor. Decision of the Engineer-in-Charge to be conveyed in writing in respect of the same will be final and binding on the contractor.

CLAUSE 17

**Contractor
Liable for
Damages,
defects during
maintenance
period**

If the contractor or his working people or servants shall break, deface, injure or destroy any part of building in which they may be working, or any building, road, road curb, fence, enclosure, water pipe, cables, drains, electric or telephone post or wired, trees, grass or grassland, or cultivated ground contiguous to the premises on which the work or any part is being executed, or if any damage shall happen to the work while in progress, from any cause whatever or if any defect, shrinkage or other faults appear in the work within defect liability period after a certificate final or otherwise of its completion shall have been given by the Engineer-in-Charge as aforesaid arising out of defect or improper materials or workmanship the contractor shall upon receipt of a notice in writing on that behalf make the same good at his own expense or in default the Engineer-in-Charge cause the same to be made good by other workmen and deduct the expense from any sums that may be due or at any time thereafter may become due to the contractor, or from his security deposit except for the portion pertaining to asphaltic work which is governed by sub-para (iii) of clause 35 or the proceeds of sale thereof or of a sufficient option thereof. The security deposit of the contractor shall not be refunded before the expiry of defected liability period after the issue of the certificate final or otherwise, of completion of work, or till the final bill has been prepared and passed whichever is later.

In case of Maintenance and Operation works of Electrical & Mechanical services, the security deposit deducted from contractors shall be refunded within one month from the date of final payment or within one month from the date of completion of the maintenance contract whichever is earlier.

CLAUSE 18

**Contractor to
Supply Tools &
Plants etc.**

The contractor shall provide at his own cost all materials (except such special materials, if any, as may in accordance with the contract be supplied from the Engineer-in-Charge's stores), plant, tools, appliances, implements, ladders, cordage, tackle, scaffolding and temporary works required for the proper execution of the work, whether original, altered or substituted and whether included in the specification or other document forming part of the contract or referred to in these conditions or not, or which may be necessary for the purpose of satisfying or complying with the requirements of the Engineer-in-Charge as to any matter as to which under these conditions he is

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/22

entitled to be satisfied, or which he is entitled to require together with carriage therefore to and from the work. The contractor shall also supply without charge the requisite number of persons with the means and materials, necessary for the purpose of setting out works, and counting, weighing and assisting the measurement for examination at any time and from time to time of the work or materials. Failing his so doing the same may be provided by the Engineer-in-Charge at case to the contractor, under this contract or otherwise and/or from his security deposit or the proceeds of sale thereof, or of a sufficient portions thereof.

CLAUSE 18 A

**Recovery of
Compensation
paid to Workman**

In every case in which by virtue of the provisions sub-section (1) of Section 12, of the Workmen's Compensations Act, 1923, Government is obliged to pay compensation to a workman employed by the contractor, in execution of the works, Government will recover from the contractor the amount of the compensation so paid; and without prejudice to the right of the Government under sub-section (2) of section 12, of the said Act, Government shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by Government to the contractor whether under this contract or otherwise. Government shall not be bound to contest any claim made against it under sub-section (1) Section 12, of the said Act; except on the written request of the contractor and upon his giving to Government full security for all costs for which Government might become liable in consequence of contesting such claim.

CLUASE 18 B

**Ensuring Payment
and Amenities to
Workers if
Contractor fails**

In every case in which by virtue of the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and of the Contract Labour (Regulation and Abolition) Central Rules, 1971, Government is obliged to pay any amounts of wages to a workman employed by the contractor in execution of the works, or to incur any expenditure in providing welfare and health amenities required to be provided under the above said Act and the rules under Clause 19H or under the P.W.D. Contractor's Labour Regulations, or under the Rules framed by Government from time to time for the protection of health and sanitary arrangements for workers employed by P.W.D. Contractors, Government will recover from the contractor the amount of wages so paid or the amount of expenditure so incurred; and without prejudice to the rights of the Government under sub-section (2) of Section 20, and sub-section (4) of Section 21, of the Contract Labour (Regulation and Abolition) Act, 1970, Government shall be at liberty to recover such amount or any part thereof by deducting it from the security deposit or from any sum due by Government to the contractor whether under this contract or otherwise Government shall not be bound to contest any claim made against it under sub-section (1) of Section 20, sub-section (4) of Section 21, of the said Act, except on the written request of the contractor and upon his giving to the Government full security for all costs for which Government might become liable in contesting such claim.

CLAUSE 19

**Labour Laws to
be complied by
the Contractor**

The contractor shall obtain a valid licence under the State Labour Act, and the Contract Labour (Regulation and Abolition) Central rules 1971, before the commencement of the work, and continue to have a valid license until the completion of the work. The contractor shall also abide by the provisions of the Child Labour (Prohibition and Regulation) Act, 1986.

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B.S.E.I.D.C. Ltd, Patna
10/10/18

The contractor shall also comply with the provisions of the building and other Construction Workers (Regulation of Employment & Conditions of Service) ACT, 1996 and the building and other Construction Workers Welfare Cess Act, 1996.

Any failure to fulfill these requirements shall attract the penal provisions of the contract arising out of the resultant non-execution of the work.

CLAUSE 19 A

No labour below the prescribed age shall be employed on the work.

CLAUSE 19 B

Payment of Wages

Payment of wages :

- i) The contractor shall pay to labour employed by him either directly or through sub-contractors, wages not less than fair wages as defined in P.W.D. Contractor's Labour Regulations or as per the provisions of the Contract Labour (Regulation and Abolition) Act 1970 and the contract Labour (Regulation and Abolition) Central Rules, 1971, wherever applicable.
- ii) The contractor shall, notwithstanding the provisions of any contract to the contrary, cause to be paid fair wage to labour indirectly engaged on the work including any labour engaged by his sub-contractors in connection with the said work, as if the labour had been immediately employed by him.
- iii) In respect of all labour directly or indirectly employed in the works for performance of the contractor's part of this contract, the contractor shall comply with or cause to be complied with the Public Works Department contractor's Labour Regulations made by Government from time to time in regard to payment of wages, wage period, deductions from wages recovery of wages not paid and deductions unauthorisedly made, maintenance of wage books or wage slips, publication of scale of wages and other terms of employment, inspection and submission of periodical returns and all other matters of the like nature or as per the provisions of the Contract Labour (Regulation and Abolition) Act, 1970, and the Contract Labour (Regulation And Abolition) Central Rules, 1971, wherever applicable.
- iv)
 - a) The Engineer-in-Charge concerned shall have the right to deduct from the moneys due to the contractor any sum required or estimated to be required for making good the loss suffered by a worker or workers by reason of nonfulfilment of the conditions of the contract for the benefit of the workers, non-payment of wages or of deductions made from his or their wages which are not justified by their terms of the contract or non-observance of the Regulations.
 - b) Under the provision of Minimum Wages (Central) Rules 1950, the contractor is bound to allow to the labours directly or indirectly employed in the works one day rest for 6 days continuous work and pay wages at same rate as for duty. In the event of default the Engineer-in-Charge shall have the right to deduct the sum or sums not paid on account of wages for weekly holidays to any labours and pay the same to the persons entitled thereto from any money due to the contractor by the Engineer-in-Charge concerned.
- v) The contractor shall comply with the provisions of the Payment of Wages Act, 1936, Minimum Wages Act, 1948, Employees Liability Act, 1938, Workmen's Compensation Act, 1923, Industrial Disputes Act, 1947, Maternity Act, 1970, or the modifications thereof or any other laws relating thereto and the rules made thereunder from time to time.

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- vi) The contractor shall indemnify and keep indemnified Government against payments to be made under and for the observance of the laws aforesaid and the P.W.D. Contractor's Labour Regulations without prejudice to his right to claim indemnity from his sub-contractors.
- vii) The laws aforesaid shall be deemed to be a part of this contract and any breach thereof shall be deemed to be a breach of this contract.
- viii) Whatever is the minimum wage for the time being, or if the wage payable higher than such wage, such wage shall be paid by the contractor to the workmen directly without the intervention of Jamadar and that Jamadar shall not be entitled to deduct or recover any amount from the minimum wage payable to the workmen as and by way of commission or otherwise.
- ix) The contractor shall ensure that no amount by way of commission or otherwise is deducted or recovered by the Jamadar from the wage of workmen.

CLAUSE 19 C

In respect of all labour directly or indirectly employed in the work for the performance of the contractor's part of this contract, the contractor shall at his own expense arrange for the safety provisions as per P.W.D. Safety Code framed from time to time and shall at his own expense provide for all facilities in connection therewith. In case the contractor fails to make arrangement and provide necessary facilities as aforesaid he shall be liable to pay a penalty of Rs. 200/- for each default and in addition the Engineer-in-Charge shall be at liberty to make arrangement and provide facilities as aforesaid and recover the costs incurred in that behalf from the contractor.

CLAUSE 20

Minimum wages Act to be complied with.

The contractor shall at least pay and comply with all the provisions of the Minimum wages Act and rules framed there under other labour laws related to contract labour.

CLAUSE 21

Work not to be sublet. Action in case of insolvency

The contract shall not be assigned or sublet without the written approval of the Engineer-in-Charge. And if the contractor shall assign or sublet his contract, or attempt to do so, or become insolvent or commence any insolvency proceedings or make any composition with his creditors or attempt to do so, or if any bribe, gratuity, gift, loan, perquisite, reward or advantage pecuniary or otherwise, shall either directly or indirectly, be given, promised or offered by the contractor, or any of his servants or agent to any public officer or person in the employ of Corporation in any way relating to his office or employment, or if any such officer or person shall become in any way directly or indirectly interested in the contract, the Engineer-in-Charge on behalf of the M.D. of Corporation shall have power to adopt the courses specified in Clause 3 hereof in the interest of Corporation and in the event of such course being adopted the consequences specified in the said Clause 3 shall ensue.

CLAUSE 22

Compensation

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

CLAUSE 23

Changes in firm's Constitution to be intimated

Where the contractor is a partnership firm, the previous approval in writing of the Engineer-in-Charge shall be obtained before any change is made in the constitution of the firm. Where the contractor is an individual or a Hindu undivided family business concern such

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BSEIDC. Ltd, Patna
10/10/18

approval as aforesaid shall likewise be obtained before the contractor enters into any partnership agreement where under the partnership firm would have the right to carry out the works hereby undertaken by the contractor. If previous approval as aforesaid is not obtained, the contract shall be deemed to have been assigned in contravention of Clause 21 thereof and the same action may be taken, and the same consequences shall ensue as provided in the said Clause 21.

CLAUSE 24

**Approval of
Engineer In
charge**

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

CLAUSE 25

**Settlement of
Disputes &
Arbitration**

Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, design, drawings and instructions here-in-before mentioned and as to the quality of workmanship or materials used on the work or as to any other question, claim right matter or thing whatsoever in any way arising out of or relating to contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter.

- i) If the contractor considered any work demanded of him to be outside the requirements of the contract, or dispute any drawings, record or decision given in writing by the Engineer-in-Charge on any matter in connection with or arising out of the contract or carrying out of the contract or carrying out of the work, to be unacceptable, he shall promptly within 7 days request the Superintending Engineer/Chief consultant(Technical) in writing for written instruction or decision. Thereupon, the Superintending Engineer shall give his written instructions or decision within a period of fifteen days from the receipt of the contractor's letter.

If the Superintending Engineer/Chief consultant(Technical) fails to give his instructions or decision in writing within the aforesaid period or if the contractor is dissatisfied with the instructions or decision of the Superintending Engineer/Chief consultant(Technical), the contractor may, within 15 days of the receipt of Superintending Engineer's decision, appeal to the Chief Executive Officer who shall afford an opportunity to the contractor to be heard, if the latter so desires, and to offer evidence in support of his appeal. The Chief Executive Officer shall give his decision within 30 days of receipt of contractor's appeal. If the contractor is dissatisfied with this decision, the contractor shall within a period of 30 days from receipt of the decision, give notice to the Chief Executive Officer for appointment of arbitrator failing which the said decision shall be final binding and conclusive and not referable to adjudication by the arbitrator.

- ii) Except where the decision has become final, binding and conclusive in terms of Sub Para (i) above disputes or difference shall be referred for adjudication through arbitrator appointed by Managing Director of the Corporation. If the arbitrator so appointed is unable or unwilling to act or resign his appointment or vacates his office due to any reason whatsoever another sole arbitrator shall be appointed in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

It is a term of this contract that the party invoking arbitration shall give a list of disputes with amounts claimed in respect of each such dispute along with the

notice for appointment of arbitrator and giving reference to the rejection by the Chief Executive Officer of the appeal.

It is also a term of this contract that no person other than a person appointed by Managing Director of the Corporation as aforesaid should act as arbitrator and if for any reason that is not possible, the matter shall not be referred to arbitrator at all.

It is also a term of this contract that if the contractor does not make any demand for appointment of arbitrator in respect of any claims in writing as aforesaid within 45 days of receiving the intimation from the Engineer-in-Charge that the final bill is ready for payment, the claim of the contractor shall be deemed to have been waived and absolutely barred and the Corporation shall be discharged and released of all liabilities under the contract in respect of these claims.

The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 (26 of 1996) or any statutory modifications or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

It is also a term of the contract that if any fees are payable to the arbitrator these shall be paid equally by both the parties.

It is also a term of the contract that the arbitrator shall be deemed to have entered on the reference on the date he issues notice to both the parties calling them to submit their statement of claims and counter statement of claims. The venue of the arbitration shall be such place as may be fixed by the arbitrator in his sole discretion. The fees, if any, of the arbitrator shall, if required to be paid before the award is made and published, be paid half and half by each of the parties. The cost of the reference and of the award (including the fees, if any, of the arbitrator) shall be in the discretion of the arbitrator who may direct to any by whom and in what manner such costs or any part thereof shall be paid and fix or settle the amount of costs to be so paid.

All arbitration shall be held at PATNA and at no other place.

CLAUSE 26

Contractor to
indemnify Govt.
Against Patent
Rights

The contractor shall fully indemnify and deep indemnified the M.D. of Corporation against any action, claim or proceeding relating to infringement or use of any patent or design or any alleged patent or design rights and shall pay any royalties which may be payable in respect of any article or part thereof included in the contract. In the event of any claims made under the action brought against Government in respect of any such matter as aforesaid the contractor shall be immediately notified thereof and the contractor shall be at liberty, at his own expense, to settle any dispute or to conduct any litigation that may arise therefrom, provided that the contractor shall not be liable to indemnify the M.D. of Corporation if the infringement of the patent or design or any alleged patent or design right is the direct result of an order passed by the Engineer-in-Charge in this behalf.

CLAUSE 27

Lumpsum
Provisions in
Tender

When the estimate on which a tender is made includes lump sum in respect of parts of the work, the contractor shall be entitled to payment in respect of the items of work involved or the part of the work in question at the same rates as are payable under this contract for such items, or if the part of the work in question is not, in the opinion of the Engineer-in-Charge capable of measurement, The Engineer-in-Charge may at his discretion pay the lump-sum amount entered in the estimate, and the certificate in writing of the Engineer-in-Charge shall be final and conclusive against the contractor with regard to any sum or sums payable to him under the provisions of the clause.

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10/10/18

CLAUSE 28

**Action where no
Specifications
are specified**

In the case of any class of work for which there is no such specifications as referred to in Clause 11, such work shall be carried out in accordance with the Bureau of Indian Standards Specifications, Indian Road Congress for road works and Indian Building Congress for building works or any central government agency. In case there are no such specifications in Bureau of Indian Standards, the work shall be carried out as per manufacturers specifications. If not available then as per Corporation / Building Construction Department Specifications. In case there are no such specifications as required above, the work shall be carried out in all respects in accordance with the instructions and requirements of the Engineer-in-Charge.

CLAUSE 29

- i) Whenever any claim or claims for payment of a sum of money arises out of or under the contract or against the contractor, the Engineer-in-Charge or the Corporation shall be entitled to withhold and also have a lien to retain such sum or sums in whole or in part from the security, if any deposited by the contractor and for the purpose aforesaid, the Engineer-in-Charge or the Corporation shall be entitled to withhold the security deposit, if any, furnished as the case may be and also have a lien over the same pending finalisation or adjudication of any such claim. In the event of the security being insufficient to cover the claimed amount or amounts or if no security has been taken from the contractor, the Engineer-in-Charge or the Corporation shall be entitled to withhold and have a lien to retain to the extent of payable or which may at any time thereafter become payable to the contractor under the same contract or any other contract with the Engineer-in-Charge of the Corporation or any contracting person through the Engineer-in-Charge of the Corporation or any contraction person through the Engineer-in-Charge pending finalisation of adjudication of any such claim.

It is an agreed term of the contract that the sum of money or moneys so withheld or retained under the lien referred to above by the Engineer-in-Charge or Corporation will be kept withheld or retained as such by the Engineer-in-Charge or Corporation till the claim arising out of or under the contract is determined by the arbitrator (if the contract is governed by the arbitration clause) or by the competent court, as the case may be and that the contractor will have no claim for interest or damages whatsoever on any account in respect of such withholding or retention under the lien referred to above and duly notified as such to the contractor. For the purpose of this clause, where the contractor is a partnership firm or a limited company, the Engineer-in-Charge or the Corporation shall be entitled to withhold and also have a lien to retain towards such claimed amount or amounts in whole or in part from any sum found payable to any partner/limited company as the case may be, whether in his individual capacity or otherwise.

- ii) Corporation shall have the right to cause an audit and technical examination of the works and the final bills of the contractor including all supporting vouchers, abstract etc., to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed to have been done by him under the contract and found not to have been executed, the contractor shall be liable to refund the amount of over-payment and it shall be lawful for Government to recover the same from him in the manner prescribed in sub-clause (i) of this clause or in any other manner legally permissible; and if it is found that the contractor was paid less than what was due to him under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by Corporation to the contractor, without any interest thereon whatsoever.

CLAUSE 29 A

**Lien in respect of
claims in other
Contracts**

Any sum of money due and payable to the contractor (including the security deposit returnable to him) under the contract may be withheld or retained by way of lien by the Engineer-in-Charge or the Government or any other contracting person or persons through Engineer-in-Charge against any claim of the Engineer-in-Charge or Corporation or such other person or persons in respect of payment of a sum of money arising out of or under any other contract made by the contractor with the Engineer-in-Charge or the Corporation or with such other person or persons.

It is an agreed term of the contract that the sum of money so withheld or retained under this clause by the Engineer-in-Charge or the Corporation will be kept withheld or retained as such by the Engineer-in-Charge or the Corporation till his claim arising out of the same contract or any other contract is either mutually settled or determined by the arbitration clause or by the competent court, as the case may be and that the contractor shall have no claim for interest or damages whatsoever on this account or on any other ground in respect of any sum of money withheld or retained under this clause and duly notified as such to the contractor.

CLAUSE 30

**Unfiltered
water
supply**

The contractor(s) shall make his/their own arrangements for water required for the work and nothing extra will be paid for the same. This will be subject to the following conditions.

- i) That the water used by the contractor(s) shall be fit for construction purposes to the satisfaction of the Engineer-in-Charge.
- ii) The Engineer-in-Charge shall make alternative arrangements for supply of water at the risk and cost of contractor(s) if the arrangements made by the contractor(s) for procurement of water are in the opinion of the Engineer-in-Charge, unsatisfactory.

CLAUSE 31

**Return of
surplus
material**

Notwithstanding anything contained to the contrary in this contract, where any materials for the execution of the contract are procured with the assistance of Corporation either by issue from Corporation stocks or purchase made under orders or permits or licences issued by Corporation the contractor shall hold the said materials economically and solely for the purpose of the contract and not dispose of them without the written permission of the Corporation and return, if required by the Engineer in Charge, all surplus or unserviceable materials that may be left with him after the completion of the contract or at its termination for any reason whatsoever on being paid or credited such price as the Engineer in Charge shall determine having due regard to the condition of the materials. The price allowed to the contractor however shall not exceed the amount charged to him excluding the element of storage charges. The decision of the Engineer in Charge shall be final and conclusive. In the event of breach of the aforesaid condition the contractor shall in addition to throwing himself open to action for contravention of the term of the licence or permit and/or for criminal breach of trust, be liable to Corporation for all moneys, advantages or profits resulting or which in the usual course would have resulted to him by reason of such breach.

CLAUSE 32

**Hire of Plant & i)
Machinery**

The contractor shall arrange at his own expense all tools, plant machinery and equipment (hereinafter referred to as T & P) required for execution of the work except for the Plant & Machinery listed in Schedule 'C' and stipulated for issue to

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Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

the contractor. If the contractor requires any item of T & P on hire from the T & P available will, if such item is available, hire it to the contractor at rates to be agreed upon between him and the Engineer-in-Charge. In such a case all the conditions hereunder for issue of T & P shall also be applicable to such T & P as is agreed to be issued.

- ii) Plant and Machinery when supplied on hire charges shown in Schedule 'C' shall be made over and taken back at the departmental equipment yard/shed shown in Schedule 'C' and the contractor shall bear the cost of carriage from the place of issue to the site of work and back. The contractor shall be responsible to return the plant and machinery in the condition in which it was handed over to him, and he shall be responsible for all damage caused to the said plant and machinery at the site of work or elsewhere in operation and otherwise during transit including damage to or loss of plant and for all losses due to his failure to return the same soon after the completion of the work for which it was issued. The Engineer-in-charge shall be the sole judge to determine the liability of the contractor and its extent in this regard and his decision shall be final and binding on the contractor.
- iii) The plant and machinery as stipulated above will be issued as and when available and if required by the contractor. The contractor shall arrange his programme of work according to the availability of the plant and machinery and no claim, whatsoever, will be entertained from him for any delay in supply by the Corporation.
- iv) The hire charges shall be recovered at the prescribed rates from and inclusive of the date the plant and machinery made over up to and inclusive of the date of the return in good order even though the same may not have been working for any cause except major breakdown due to no fault of the contractor or faulty use requiring more than three working days continuously (excluding intervening holidays and Sundays) for bringing the plant in order. The contractor shall immediately intimate in writing to the Engineer in Charge when any plant or machinery gets out of order requiring major repairs as aforesaid. The Engineer in Charge shall record the date and time of receipt of such intimation in the log sheet of the plant or machinery. Based on this if the breakdown occurs before lunch period or major breakdown will be computed considering half a day's breakdown on the day of complaint. If the breakdown occurs in the post lunch period of major breakdown will be computed starting from the next working day. In case of any dispute under this clause the decision of the Superintending Engineer shall be final and binding on the contractor.
- v) The hire charges shown above are for each day of 8 hours (inclusive of the one-hour lunch break) or part thereof.
- vi) Hire charges will include service of operating staff as required and also supply of lubricating oil and stores for cleaning purposes. Power fuel of approved type, firewood, kerosene oil etc. for running the plant and machinery and also the full time chowkidar for guarding the plant and machinery against any loss or damage shall be arranged by the contractor who shall be fully responsible for the safeguard and security of plant and machinery. The contractor shall on or before the supply of plant and machinery sign an agreement indemnifying the Corporation against any loss or damage caused to the plant and machinery either during transit or at site of work.

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BSEIDC. Ltd, Patna

10/10/18

- vii) Ordinarily, no plant and machinery shall work for more than 8 hours a day inclusive of one hour lunch break. In case of an urgent work however, the Engineer in Charge may, at his discretion, allow the plant and machinery to be worked for more than normal period or 8 hours a day. In that case the hourly hire charges for overtime to charge (1/8)th of the daily charges) subject to a minimum of half day's normal charges on any particular day. For working out hire charges for over time a period of half an hour and above will be charged as one hour and a period of less than half an hour will be ignored.
- viii) The contractor shall release the plant and machinery every seventh day for periodical servicing and/or wash out which may take about three to four hours or more. Hire charges for full day shall be recovered from the contractor for the day of servicing/Wash out irrespective of the period employed in servicing.
- ix) The plant and machinery once issued to the contractor shall not be returned by him on account of lack of arrangements of labour and materials, etc. on his part, the same will be returned only when they are required for major repairs or when in the opinion of the Engineer in Charge the work or a portion of work for which the same was issued is completed.
- x) Log Book for recording the hours of daily work for each of the plant and machinery supplied to the contractor will be maintained by the Corporation and will be countersigned by the contractor or his authorised agent daily. In case the contractor contests the correctness of the entries and/or fails to sign the Log Book the decision of the Engineer-in-Charge shall be final and binding on him. Hire charges will be calculated according to the entries in the Log Book and will be binding on the contractor. Recovery on account of hire charges for road rollers shall be made for the minimum number of days worked out on the assumption that a roller can consolidate per day and maximum quantity of materials or area surfacing as noted against each in the annexed statement (see attached annexure).
- xi) In the case of concrete mixers, the contractors shall arrange to get the hopper cleaned and the drum washed at the close of the work each day or each occasion.
- a) In case rollers for consolidation are employed by the contractor himself, log book for such rollers shall be maintained in the same manner as is done in case of departmental rollers, maximum quantity of any item to be consolidated for each roller day shall also be same as in Annexure to Clause 34(x). For less use of rollers recovery for the less roller days shall be made at the stipulated issue rate.
- xii) The contractor shall be responsible to return the plant and machinery in the condition in which it was handed over to him and he shall be responsible for all damage caused to the said plant and machinery at the site of work or elsewhere in operation or otherwise or during transit including damage to or loss of parts, and for all losses due to him failure to return the same soon after the completion of the work for which it was issued. The Engineer-in-charge shall be the sole judge to determine the liability of the contractor and its extent in this regard and his decision shall be final and binding on the contractor.
- xiii) The contractor will be exempted for levy of any hire charges for the number of days he is called upon in writing by the Engineer in Charge to suspend execution of the work provided Corporation plant and machinery in question have, in fact remained idle with the contractor because of the suspension.
- xiv) In the event of the contractor not requiring any item of plant and machinery issued by the Corporation though not stipulated for issue in Schedule 'C' any time after

taking delivery at the place of issue, he may return it after two days written notice or at any time without notice if he agrees to pay hire charges for two additional days without in any way affecting the right of the Engineer in-Charge to use the said plant and machinery during the said period of two days as he likes including hiring out to a third party.

CLAUSE 33

Contractors Superintendence, Supervision, Technical Staff & Employees

Employment of Technical Staff and employees

- i) The contractor shall provide all necessary superintendence during execution of the work and as along thereafter as may be necessary for proper fulfilling of the obligations under the contract.

The contractor along with bidding of the tender, intimate in writing to the Engineer-in-Charge the name, qualifications, experience, age, address and other particulars along with certificates, of the technical representative to be in charge of the work. If there is any change then the new incumbents qualifications and experience shall not be lower than specified in Schedule in I.T.B. (Annexure - 2). The Engineer-in-Charge shall within 15 days of issue of letter of acceptance intimate in writing his approval or otherwise it is deemed to be approved. Any such approval may at any time be withdrawn and in case of such withdrawal the contractor shall appoint another such representative according to the provisions of this clause. Decision of the tender accepting authority / Chief Consultant Officer (Technical) shall be final and binding on the contractor in this respect. Technical staff shall be available at site within fifteen days of start of work.

If the contractor (or any partner in case of firm/company) himself has such qualifications, it will not be necessary for the said contractor to appoint such a principal technical representative but the contractor shall designate and appoint a responsible agent to represent him and to be present at the work whenever the contractor is not in a position to be so present. All the provisions applicable to the principal technical representative under the Clause will also be applicable in such a case to contractor or his responsible agent. The principal technical representative and/or the contractor or his responsible authorised agent shall be actually available at site at least two working days every week, these days shall be determined in advance and also during recording of measurement of works and whenever so required by the Engineer-in-Charge by a notice as aforesaid and shall also note down instructions conveyed by the Engineer-in-Charge or his designated representative in the site order book and in token of acceptance of measurements. There shall be no objection if the representative/agent looks after more than one work and not more than three works in the same station provided these details are disclosed to the Engineer-in-Charge and he shall be satisfied that the provisions and the purpose of the clause are fulfilled satisfactorily.

If the Engineer-in-Charge, whose decision in this respect is final and binding on the contractor, is convinced that no such technical representative or agent is effectively appointed or is effectively attending or fulfilling the provision of this clause, a recovery shall be effected from the contractor as specified in Schedule 'F' and the decision of the Engineer-in-Charge as recorded in the site order book and measurement recorded in Measurement Books shall be final and binding on the contractor. Further if the contractor fails to appoint a suitable technical representative or responsible agent and if such appointed persons are not effectively present or do not discharge their responsibilities satisfactorily, the Engineer-in-Charge shall have full powers to suspend the execution of the work until such date as a suitable agent is appointed and the contractor shall submit a certificate of employment of the technical representative/responsible agent along

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10/10/18

with every on account bill/fixed bill and shall produce evidence if at any time so required by the Engineer-in-Charge.

ii)

The contractor shall provide and employ on the site only such technical assistants as are skilled and experienced in their respective fields and such foremen and supervisory staff as are competent to give proper supervision to the work.

The contractor shall provide and employ skilled, semiskilled and unskilled labour as is necessary for proper and timely execution of the work.

The Engineer in Charge shall be at liberty to object to and require the contractor to remove from the works any person who in his opinion misconducts himself, or is incompetent or negligent in the performance of his duties or whose employment is otherwise considered by the Engineer in Charge to be undesirable. Such person shall not be employed again at works site without the written permission of the Engineer in Charge and the persons so removed shall be replaced as soon as possible by competent substitutes.

CLAUSE 34

- i) Sales Tax or any other tax on materials in respect of this contract shall be payable by the contractor according to law in effect.
- ii) The contractor shall deposit royalty and obtain necessary permit for supply of the red earth, moorum, sand chips bajri, stone, kankar, etc. from local authorities.
- iii) If pursuant to or under any law, notification or order any royalty, cess or the hike becomes payable to the Government of India and does not at any time become payable by the contractor to the State Government/ Local authorities in respect of any material used by the contractor in the works then in such a case, it shall be lawful to the Government of India and it will have the right and be entitled to recover the amount paid in the circumstances as aforesaid from the dues of the contractor.

CLAUSE 35

Conditions for reimbursement of levy/taxes if levied after receipt of tenders

- i) All tendered rates shall be inclusive of all taxes and levies payable under respective statutes. However, pursuant to the Constitution (46th Amendment) Act. 1982, if any further tax or levy is imposed by Statute, after the last stipulated date for the receipt of tender including extensions if any and the contractor thereupon necessarily and properly pays such taxes/levies the contractor shall be reimbursed the amount so paid, provided such payments, if any, is not, in the opinion of the Engineer in-Charge (whose decision shall be final and binding on the contractor) attributable to delay in execution of work within the control of the contractor.
- ii) The contractor shall keep necessary books of accounts and other documents for the purpose of this condition as may be necessary and shall allow inspection of the same by a duly authorised representative of the Government and/or the Engineer-in-Charge and further shall furnish such other information/document as the Engineer-in-Charge may require from time to time.
- iii) The contractor shall, within a period of 30 days of the imposition of any such further tax or levy, pursuant to the Constitution (Forty Sixth Amendment) Act 1982, give a written notice thereof to the Engineer-in-Charge that the same is given pursuant to this condition, together with all necessary information relating thereto.

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10/10/18

CLAUSE 36

**Imprisonment
of Contractor**

If the contractor is imprisoned, becomes insolvent compound with his creditors, has a receiving order made against him or carries on business under a receiver for the benefit of the creditors or any of them, or being a partnership firm becomes dissolved, or being a company or corporations goes into liquidation or commences to be wound up not being a voluntary winding up for the purpose only of amalgamation or reconstitution the department shall be at liberty.

- (a) To give such liquidator, receiver, or other person in whom the contract may become vested, the option of carrying out the contract or a portion thereof to be determined by the department, subject to his providing an appropriate guarantee for the performance of such contract or.
- (b) To terminate the contract, forthwith by notice in writing to the contractor, the liquidator, the receiver or person in whom the contract may become vested and take further action as provided in the relevant clauses of the contract.

CLAUSE 37

**Termination
of Contract
on death of
contractor**

Without prejudice to any of the rights or remedies under this contract if the contractor dies, the Competent Authority on behalf of the BSEIDCo. shall have the option of terminating the contract without compensation to the contractor after the affidavit of his/their legal heir/heirs that they are not going to be in this profession in future.

CLAUSE 38

**If relation
working in
BSEIDCo. then
the contractor
not allowed to
tender**

The contractor shall not be permitted to tender for works in the BSEIDCo. (responsible for award and execution of contracts) in which his near relative is posted as an officer in any capacity. 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 Officer in the BSEIDCo.. Any breach of this condition by the contractors of this Corporation shall lead to blacklisting. If the contractor is registered in any other department, he shall be debarred from tendering in BSEIDCo. for any breach of this condition.

NOTE : By the term "near relatives" is meant wife, husband, parents and grand parents, children and grand children, brothers and sisters, uncles, aunts and cousins and their corresponding in law.

CLAUSE 39

**No-Gazetted-
Engineer to work
as Contractor
within two years
of retirement**

No engineer of gazetted rank of other gazetted officer employed in engineering of administrative duties in an engineering department of the Government of Bihar shall work as a contractor or employee of a contractor for a period of two years after his retirement from government service without the previous permission of State Government in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found at any time to be such a person who had not obtained said permission prior to engagement in the contractor's service, as the case may be.

CLAUSE 40

**Return of
material and
recovery for
excess material
issued**

i) After completion of the work and also at any intermediate stage in the event of non reconciliation of materials issued, consumed and in balance (see Clause 10) theoretical quantity of materials issued by the Corporation for use in the work shall be calculated on the basis and method given hereunder.

- a) Quantity of cement & bitumen shall be calculated on the basis of quantity of cement & bitumen required different items of work as shown in the Schedule
- of Rates mentioned in-Schedule 'F'. In case any item is executed for which standard constants for the consumption of cement or bitumen are not
- available in the above mentioned schedule/statement or cannot be derived from the

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC. Ltd, Patna 85

10/10/18

same shall be calculated on the basis of standard formula to be laid down by the Engineer in Charge.

b) Theoretical quantity of steel reinforcement of structural steel sections shall be taken as the quantity required as per design or as authorised by Engineer in Charge, including authorised lappages, chairs etc., plus 3% wastage due to cutting into pieces, such theoretical quantity being determined and compared with the actual issues each diameter wise, section wise and categoriwise separately.

c) For any other material as per actual requirements.

ii) Over the theoretical quantities of materials so computed a variation shall be allowed as specified in Schedule 'F'. The difference in the net quantities of material actually issued to the contractor and the theoretical quantities including such authorised variation, if not returned by the contractor or if not fully reconciled to the satisfaction of the Engineer in Charge within fifteen days of the issue of written notice by the Engineer in Charge to this effect shall be recovered at the rates specified in Schedule 'F' without prejudice to the provision of the relevant conditions regarding return of materials governing the contract. Decision of Engineer in Charge in regard to theoretical quantities of materials, which should have been actually used as per the Annexure of the standard schedule of rates and recovery at rates specified in Schedule 'F', shall be final & binding on the contractor

For not scheduled items, the decision of the Superintending Engineer regarding theoretical quantities of materials, which should have been actually used, shall be final and binding on the contractor.

iii) The said action under this clause is without prejudice to the right of the Government to take action against the contractor under any other conditions of contract for not doing the work according to the prescribed specifications.

CLAUSE 41

Release of Security deposit

On completion of the whole of the work, half of the total amount of security shall be repaid to the contractor after six months of completion. However, the balance half of the total amount of security will be returned after completion of defect liability period and after the Engineer has certified that all defects notified by him to the contractor before the end of this period have been corrected and also after recovery of any dues.

CLAUSE 42

Responsibility of Technical Staff and employees

Technical officers / staff deployed by the Contractor at any construction site will also be responsible for inferior quality / poor performance of any work and his name will be circulated to all works Department of the State Govt. to debar from any other site, if his name is being proposed by other contractor.

CLAUSE 43

Contractor's Risks

All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

CLAUSE 44

Insurance

The Contractor shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the end of the Defects Liability Period, in the amounts and deductibles stated in the Contract Data for the following events which are due to the Contractor's risks :

- (a) loss of or damage to the Works, Plant and Materials ;
- (b) loss of or damage to Equipment;
- (c) loss of or damage of property (except the Works, Plant, Materials and Equipment) in connection with the Contract; and

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Chief Engineer
BSEIDC Ltd, Patna
10/11/18

(d) personal injury or death.

Policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

Alteration to the terms of an insurance shall not be made without the approval of the Engineer.

Both parties shall comply with any conditions of the insurance policies.

CLAUSE 45

Cash Flow
Estimate to
be Submitted

The Contractor shall, within the time stated in special Conditions of contract after the date of the Letter of Acceptance, provide to the Engineer for his information a detailed cash flow estimate, in quarterly periods, of all payments to which the Contractor will be entitled under the Contract and the Contractor shall subsequently supply revised cash flow estimates at quarterly intervals, if required to do so by the Engineer. in charge

CLAUSE 46

Safety, Security
and Protection of
the Environment

The Contractor shall, throughout the execution and completion of the Works and the remedying of any defects therein :

- (a) have full regard for the safety of all persons entitled to be upon the Site and keep the Site (so far as the same is under his control) and the Works (so far as the same are not completed or occupied by the Employer) in an orderly state appropriate to the avoidance of danger to such persons,
- (b) Provide and maintain at his own cost all lights, guards, fencing, warning signs and watchmen and where necessary or required by the Engineer or by any duly constituted authority, for the protection of the Works or for the safety and convenience of the public or others, and
- (c) take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation.

CLAUSE 47

Cost of
Samples

All samples shall be supplied by the Contractor at his own cost if the supply thereof is clearly intended by or provided for in the Contract.

CLAUSE 48

Cost of
Tests

The cost of making any test shall be borne by the Contractor if such test is :

- (a) clearly intended by or provided for in the Contract, or
- (b) particularised in the Contract (in case only of a test under load or of a test to ascertain whether the design of any finished or partially finished work is appropriate for the purposes which it was intended to fulfill) in sufficient detail to enable the Contractor to price or allow for the same in his Tender.
- (c)

CLAUSE 49

Cost of Tests
not Provided
for

If any test required by the Engineer which is :

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna

- (a) not so intended by or provided for,
(b) (in the cases above mentioned) not so particularised, or
(c) (though so intended or provided for) required by the Engineer to be carried out at any place other than the Site or the place of manufacture, fabrication or preparation of the materials or Plant tested,

shows the materials, Plant or workmanship not to be in accordance with the provisions of the Contract to the satisfaction of the Engineer, then the cost of such test shall be borne by the Contractor, but in any other case department will bear the cost.

CLAUSE 50

Commencement of Works

The contractor shall commence the Works as soon as is reasonably possible after the receipt by him of a notice to this effect from the Engineer, which notice shall be issued within the time stated in the Appendix to Tender after the date of the Letter of Acceptance. Thereafter, the Contractor shall proceed with the Works with due expedition and without delay.

CLAUSE 51

Substantial completion of parts

If any part of the Permanent Works has been substantially completed and has satisfactorily passed any Test on Completion prescribed by the Contract, the Engineer may issue a Taking-Over Certificate in respect of that part of the Permanent Works before completion of the Works and, upon the issue of such Certificate, the Contractor shall be deemed to have undertaken to complete with due expedition any outstanding work in that part of the Permanent Works during the Defects Liability Period.

CLAUSE 52

Force Majeure

Force Majeure

Neither party shall be liable to the other for any loss or damage occasioned by or arising out of acts of GOD such as Unprecedented flood, Volcanic eruption, Earthquake or other convulsion of nature and other acts such as general/ partial strikes by a section of government employees/ invasion, the act of foreign countries/ hostilities or war like operations before or after declaration of war, rebellion/ military or usurped power which prevent performance of the contract and which could not have been foreseen or avoided by a prudent person.

CLAUSE 53

Recovery

Force Majeure

Any amount found recoverable from the contractor shall be recovered as public demand under the Bihar Public Demand Act. without prejudice to any other mode of recovery.

NOTE :

In case of difference or ambiguity in Hindi and English version, the English version will prevail.

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC. Ltd, Patna
10/10/18

SECTION 4
CONTRACT DATA
(PROFORMA OF SCHEDULES)

216-101 A.C. Dr. C
(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
Mithapur
10/10/18
89

PROFORMA OF SCHEDULES

(Operative Schedules to be supplied separately to each intending tenderer)

SCHEDULE 'A'

Schedule of quantities : BOQ attached with Financial bid.

Sl. No.	Description of Item(with brief specification and reference to book of specification)	BILL OF QUANTITY				Amount
		Quantity	Unit	Rate		
				In figure	In words	
1	2	3	4	5	6	7

SCHEDULE 'B' : N.A.

Schedule of materials to be issued to the contractor.: X

S. No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5

SCHEDULE 'C' : N.A.

Tools and plants to be hired to the contractor

Sl. No.	Description	Hire charge per day	Place of Issue
1	2	6	7

SCHEDULE 'D' : N.A.

Extra schedule for specific requirements/ document for the work, if any.

SCHEDULE 'E' :

Schedule of component of Cement, Steel, other Materials, Labour etc. for price escalation.

21/10/18
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Chief Engineer
BSEIDC Ltd, Patna
10/10/18

CLAUSE 10 CC

Component of Cement- expressed as percent of total value of work.	Pc	N.A.
Component of Steel- expressed as percent of total value of work.	Ps	N.A.
Component of civil (except cement & steel)/ Electrical construction Materials expressed as percent of total value of work-	Pm	N.A.
Component of Bitumen - expressed as percent of total value of work.	Pb	_____X_____ %
Component of Labour- expressed as percent of total value of work.	P1	_____N.A._____ %
Component of P.O.L. - expressed as percent of total value of work.	Pf	_____N.A._____ %
Component of Plant & Machinery - expressed as percent of total value of work.	Pp	_____N.A._____ %

SCHEDULE 'F'

Reference to General Condition of Contract.

Name of work: Construction of Girls Hostel (G+5) & Staff Quarter (G+5) in the campus of Chandragupta Institute of Management, Mithapur Patna Under Phase-II in Bihar.

Estimated cost of work : Rs. 266932588 (Rupees Twenty Six Crore Sixty Nine lacs Thirty Two Thousand Five Hundred and Eighty Eight Only.)

- i) Earnest money : Rs. 36.32 Lac (Rupees Thirty Six Lac and Thirty Two Thousand Only).
- ii) Performance Guarantee: 2% of tendered value including earnest money.
- iii) Security Deposit : 8 % of tendered value.e
- iv) Defect Liability period: Three Years.
- v) Rate of Interest : 14.5 %

GENERAL RULES AND DIRECTIONS : Officer inviting tender : Chief Cunsultant Technical, BSEIDC.
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

Definitions:

2(v)	Engineer-in-Charge	Executive Engineer (Civil).
2(x)	Percentage on cost of materials and labour to cover all overheads and profits.	As Per SOR, BCD

2(xi) Standard Schedule of Rates

S.O.R, B.C.D, Dt. : 2016 & S.O.R (Electrical) 2016.

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC. Ltd, Patna
10/10/16

2(xii) Department & Employer

BSEIDC, Patna.

9(ii) Standard PWD Contract Form

PWD 2/3 as modified & corrected upto

Clause 1

- i) Time allowed for submission of performance Guarantee from the date of issue of letter of acceptance, in days 15 days
- ii) Maximum allowable extension beyond the period provided in i) above in days 7 days

Clause 2

Authority for fixing compensation
under clause 2.

Chief Consultant Technical, BSEIDC

Clause 2A

Whether Clause 2A shall be applicable

No

Clause 5

Number of days from the date of issue of
notice to start.

07 days

Mile stone(s) as per table given below:

Table of Mile Stone(s)

Sl. No.	Description of Milestone(Physical)	Time allowed in days (from date of start)	Amount to be with-held in case of non achievement of milestone
1.			
2.			
3.			
4.			

AND

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

Time allowed for execution of work

15 Months.

Authority to give fair and reasonable
extension of time for completion of work.

Chief Consultant Technical,
BSEIDC, Patna.

(Seal & Signature of Tenderer)

Chief Eng neer
BSEIDC. Ltd, Patna
10/10/18

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

1% of Agreement value.

Clause 10CC

Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in next column

_____ months

Clause 11

Specifications to be followed for execution of work

Yes _____

Clause 12

Deviation, variation
Extent and pricing.

As per P.W.D. Code
clause 182A, 292XII,
293XVII & 294XVI

Clause 16

Competent Authority for
deciding reduced rates.

Chief Engineer

- The following document also form part of the contract.
- The law, which applies to the contract, is
- The court of jurisdiction
- The Language of contract document
- The limit of sub-contracting
- The Currency of the Contract is

SBD , NIT & B.O.Q.

The Law of Union of India.

Patna.

English

_____ X _____

Indian Rupees

2162-101 710 Rite

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

SECTION 5
SPECIAL CONDITION OF CONTRACT
(Condition of Particular Application)

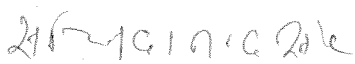
21/10/18

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

*** Evaluation process:** This is a tender where BOQ is in two part. One part A consist the scheduled item and other part B consist the non scheduled item. Bidder has to quote the Part A in percentage rate and part B in item rate. The evaluation is to be done on the basis of total amount of Part A+B. The work will be awarded to the eligible bidder whose total quoted amount of Part (A+B) is least.

**** In the case of Joint Venture (JV) for project costing Rs. 10.00 Crores and more the condition vide Letter No.- 8131(S), dated:- 24.07.2012 of Road Construction Department, Government of Bihar Shall be applicable.**


(Seal & Signature of Tenderer)


Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

SECTION 6
TECHNICAL SPECIFICATION
(Along with Basic drawings)

4/3/2017-6/2/17

(Seal & Signature of Tenderer)

✓
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
Shankar
10/10/17

SECTION 7
BILL OF QUANTITY
(Attached with Financial bid)

21/2/2017
(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/16

BILL OF QUANTITIES

Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, Conditions of Contract, Technical Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices tendered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, labour supervision, materials, erection, maintenance, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the Contract.
4. The rates and prices shall be quoted entirely in Indian Currency.
5. A rate whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided the cost shall be deemed to be distributed among the rates and prices entered for the related items of Work.
6. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided the cost shall be deemed to be distributed among the rates and prices entered for the related items of Work.
7. General directions and descriptions of work and materials are not necessarily repeated or summarized in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering rates or prices against each item in the Bill of Quantities.
8. The method of measurement of completed work for payment shall be in accordance with the specification issued by the department / Corporation time to time.
9. Errors will be corrected by the Employer for any arithmetic errors pursuant to Clause 29 of the Instructions to Bidders.

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC Ltd, Patna
10/10/18

BILL OF QUANTITIES

Sl. No.	Description of Item (with brief specification and reference to book of specification)	Quantity	Unit	Rate		Amount
				In Figure	In Words	
	(ATTACHED with Financial bid)					

Note :

- Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the bill of quantities
- Unit rates and prices shall be quoted by the bidder in Indian rupee
- Where there is a discrepancy between the rate in figures and words, the rates in words will govern.
- Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern

24/02/2017
(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna

10/10/18

SECTION 8
SECURITIES AND OTHER FORMS
(to be filled by Bidder/Employer)

21/6/18 N.G. Rite

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

BID SECURITY (BANK GUARANTEE UNCONDITIONAL)

WHEREAS, _____ [name of Bidder] (hereinafter called "the Bidder") has submitted his Bid dated _____ [date] for the construction of _____ [name of Contract hereinafter called "the Bid"].

KNOW ALL PEOPLE by these presents that We _____ [name of Bank] of _____ [name of country] having our _____ registered _____ office _____ at _____ (hereinafter called "the Bank") are bound unto _____ [name of Employer] (hereinafter called "the Employer") in the sum of _____ *for which payment well and truly to be made to the said Employer by the Bank itself, his successors and assigns by these presents.

SEALED with the Common Seal of the said Bank this _____ day of _____, 20____.

THE CONDITIONS of this obligation are :

(1) If after Bid opening the Bidder withdraws his bid during the period of Bid validity specified in the Form of Bid;

OR

(2) If the Bidder having been notified to the acceptance of his bid by the Employer during the period of Bid validity :

- (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
- (b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders; or
- (c) does not accept the correction of the Bid Price pursuant to Clause 27.

We undertake to pay to the Employer up to the above amount upon receipt of his first written demand, without the Employer having to substantiate his demand, provided that in his demand the Employer will note that the amount claimed by him as due to him owing to the occurrence of one or any of the three conditions, (specifying the occurred condition or conditions).

24/10/2017 A.C. Q.12
(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/17

This Guarantee will remain in force up to and including the date _____ ** days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Employer, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this guarantee should reach the Bank not later than the above date.

DATE _____

SIGNATURE

WITNESS _____

SEAL

[Signature, name and address]

- * The Bidder should insert the amount of the guarantee in words and figures denominated in Indian Rupees. This figure should be the same as shown in Clause 16.1 of the Instructions to Bidders.
- ** 45 days after the end of the validity period of the Bid. Date should be inserted by the Employer before the Bidding documents are issued.

Handwritten signature

(Seal & Signature of Tenderer)

✓
Chief Engineer
BSEIDC Ltd, Patna
Handwritten signature
10/10/18

PERFORMANCE BANK GUARANTEE

To

_____ [name of Employer]

_____ [address of Employer]

WHEREAS _____ [name and address of Contractor] (hereafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ [name of Contract and brief description of Works] (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee :

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of _____ [amount of guarantee]* _____ (in words), such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ [amount of guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between your and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 28 days from the date of expiry of the Defect Liability Period.

Signature and Seal of the guarantor _____

Name of Bank _____

Address _____

Date _____

* An amount shall be inserted by the Guarantor, representing the percentage the Contract Price specified in the Contract including additional security for unbalanced Bids, if any and denominated in Indian Rupees.

21/12/2017 11:00 AM
(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna

10/10/18

UNCONDITIONAL BANK GUARANTEE FOR ADVANCE PAYMENT

To

_____ [name of Employer]
 _____ [address of Employer]
 _____ [name of Contractor]

Gentlemen :

In accordance with the provisions of the Conditions of Contract, sub-clause 51.1 ("Advance payment") of the above-mentioned Contract, _____ [name and address of Contractor] (hereinafter called "the Contractor") shall deposit with _____ [name of Employer] a bank guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount of _____ [amount of Guarantee]* _____ [in words].

We, the _____ [bank of financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____ [name of Employer] on his first demand without whatsoever right of obligation on our part and without his first claim to the Contractor, in the amount not exceeding _____ [amount of guarantee]* _____ [in words].

We further agree that no change or addition to or other modification of the terms of the Contractor or Works to be performed there under or any of the Contract documents which may be made between _____ [name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until _____ [name of Employer] receives full repayment of the same amount from the Contractor.

Yours truly,

Signature and Seal : _____

Name of Bank /Financial Institution _____

Address : _____

Date : _____

* An amount shall be inserted by the Bank or Financial Institution representing the amount of the Advance Payment, and denominated in Indian Rupees.

24/10/18
 (Seal & Signature of Tenderer)

Chief Engineer
 BSEIDC, Ltd, Patna
 10/10/18

INDENTURE FOR SECURED ADVANCES

FORM 31

(for use in case in which the contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time)

This indenture made the _____ day of _____, 20____ BETWEEN _____ (hereinafter called the contractor which expression shall where the context so admits or implies be deemed to include his executors, administrators and assigns) or the one part and the Employer of the other part.

Whereas by an agreement dated _____ (hereinafter called the said agreement) the contractor has agreed.

AND WHEREAS the contractor has applied to the Employer that he may be allowed advance on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement for use in the construction of such of the works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charges)

AND WHEREAS the Employer has agreed to advance to the Contractor the sum of Rupees _____ on the security of materials the quantities and other particulars of which are detailed in Accounts of Secured Advances attached to the Running Account bill for the said works signed by the Contractor on _____ and the Employer has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.

Now THIS INDENTURE WITNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees _____ on or before the execution of these presents paid to the Contractor by the Employer (the receipt where of the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as a for said the Contractor doth hereby covenant and agree with the President and declare as follows :

- (1) That the said sum of Rupees _____ so advanced by the Employer to the Contractor as aforesaid and all or any further sum of sums advanced as aforesaid shall be employed by the Contractor in or towards expending the execution of the said works and for no other purpose whatsoever.
- (2) That the materials details in the said Account of Secured Advances which have been offered to and accepted by the Employer as security are absolutely the Contractor's own propriety and free from encumbrances of any kind and the contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnified the Employer against all claims to any materials in respect of which an advance has be made to him as aforesaid.
- (3) That the materials detailed in the said account of Secured Advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereafter called the said materials) shall be used by the

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC Ltd, Patna
10/10/18

Contractor solely in the Execution of the said works in accordance with the directions of the Engineer.

- (4) That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Engineer or any officer authorized by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof the Contractor will forthwith replace the same with other materials of like quality or repair and make good the same required by the Engineer.
- (5) That the said materials shall not be any account be removed from the site of the said works except with the written permission of the Engineer or an officer authorized by him on that behalf.
- (6) That the advances shall be repayable in full when or before the Contractor receives payment from the Employer of the price payable to him for the said works under the terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done than on the occasion of each such payment the Employer will be at liberty to made recovery from the Contractor's bill for such payment by deducting there from the value of the said materials that actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.
- (7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing of the Employer shall immediately on the happening of such default be repayable by the Contractor to be the Employer together with interest thereon at twelve per cent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs, charges, damages and expenses incurred by the Employer in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the Employer to reply and pay the same respectively to him accordingly.
- (8) That the Contractor hereby charges all the said materials with the repayment to the Employer of the said sum of Rupees _____ and any further sum of sums advanced as aforesaid and all costs, charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the power contained therein if and whenever the covenant for payment and repayment here in before contained shall become enforceable and the money owing shall not be paid in accordance there with the Employer may at by time thereafter adopt all or any of the following courses as he may deem best :

21/10/18 N.C. R. 2

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

- (a) Seize and utilise the said materials or any part thereof in the completion of the said works on behalf of the contractor in accordance with the provisions in that behalf contained in the said agreement debiting the contractor with the actual cost of effecting such completion and the amount due to the contractor with the value of work done as if he has carried it out in accordance with the said agreement and at the rests thereby provided. If the balance is against the contractor, he is to pay same to the Employer on demand.
 - (b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the Employer under these presents and pay over the surplus (if any) to the Contractor.
 - (c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.
- (9) That except in the event of such default on the part of the contractor as aforesaid interest on the said advance shall not be payable.
- (10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been here-in-before expressly provided for the same shall be referred to the Employer whose decision shall be final and the provision of the Indian Arbitration Act for the time being in force shall apply to any such reference.

216-3101 A.C. B.K.

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC Ltd, Patna
10/10/11

Letter of Acceptance

(Letterhead paper of the Employer)

_____(Date)

To

_____(Name and address of the Contractor)

Dear Sirs,

This is to notify you that your Bid dated _____ for execution of the _____ (name of the contract and identification number, as given in the Instructions to Bidders) for the Contract Price of Rupees _____ (amount in words and figures), as corrected and modified in accordance with the Instructions to Bidders¹ is hereby accepted by our agency.

We accept/ do not accept that _____ be appointed as the Adjudicator². You are hereby requested to furnish Performance Security, in the form detailed in Para 34.1 of ITB for an amount equivalent to Rs. _____ within 21 days of the receipt of this letter of acceptance valid up to 28 days from the date of expiry of defects Liability Period i.e. up to _____ and sign the contract, failing which action as stated in Para 34.3 of ITB will be taken.

Yours faithfully,

Authorized Signature
Name and title of Signatory
Name of Agency

¹ Delete "corrected and" or "and modified" if only one of these actions applies. Delete as corrected and modified in accordance with the Instructions to Bidders, if corrections or modifications have not been affected.

² To be used only if the Contractor disagrees in his Bid with the Adjudicator proposed by the Employer in the "Instructions to Bidders".

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC. Ltd, Patna
(Signature)
10/10/18

Issue of Notice to proceed with the work

(Letterhead of the Employer)

10-10-2018 (Date)

To

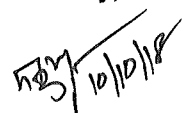
Sri Sachchidanand Singh, (Name and address of the Contractor)
Sheikhpura, Patna-800014

Dear Sirs,

Pursuant to your furnishing the requisite security as stipulated in ITB Clause 34.1 and signing of the Contract for the construction of Girls Hostel (G+S) & Staff Quarter (G+S) in the campus of Chandragupta Institute of Management (CIMP), Mithapur, Patna Under Phase-II at a Bid Price of Rs. 23,50,47,464/- (Twenty Three Crore Fifty Lac Forty Seven Thousand Four Hundred Sixty Four only)

You are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,


(Signature, name and title of signatory authorized to sign on behalf of Employer)



(Seal & Signature of Tenderer)


Chief Engineer
BSEIDC Ltd, Patna

Agreement Form

Agreement

This agreement, made the _____ day of _____ between _____ (name and address of Employer) [hereinafter called "the (name and address of contractor) hereinafter called "the Contractor" of the other part.]

Whereas the Employer is desirous that the Contractor execute

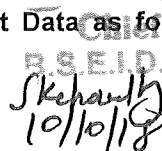
_____ (name and identification number of Contract) (hereinafter called "the Works") and the Employer has accepted the Bid by the Contractor for the execution and completion of such works and the remedying of any defects therein, at a cost of Rs. _____

NOW THIS AGREEMENT WITNESSETH as follows :

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the conditions of contract hereinafter referred to and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the Execution and completion of the Works and the remedying the defects wherein Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be ready and construed as part of this Agreement viz.

- (i) Letter of Acceptance
- (ii) Notice to proceed with the works;
- (iii) Contractor's Bid
- (iv) Condition of Contract : General and Special
- (v) Contract Data
- (vi) Additional condition
- (vii) Drawings
- (viii) Bill of Quantities and
- (ix) Any other documents listed in the Contract Data as forming part of the Contract.

(Seal & Signature of Tenderer)


 10/10/18
 B.S.E.I.D.C. Ltd, Patna

In witnessed whereof the parties there to have caused this Agreement to be executed the day and year first before written.

The Common Seal of _____
was hereunto affixed in the presence of :

Signed, Sealed and Delivered by the said _____

in the presence of :

Binding Signature of Employer _____

Binding Signature of Contractor _____

24/2/18 A.C. R.T. 1

(Seal & Signature of Tenderer)

✓
Chief Eng neer
B.S.E.I.D.C. Ltd, Patna
10/10/18

123

BSEIDC, Patna Tender : Construction of Girls Hostel (G+5) & Staff Quarter (G+5) in the campus of Chandragupta Institute of Management, Mithapur Patna Under Phase-II in Bihar, (SBD)

UNDERTAKING

I, the undersigned do hereby undertake that our firm M/s _____ agree to abide by this bid for a period _____ days for the date fixed for receiving the same and it shall be binding on us and may be accepted at any time before the expiration of that period.

(Signed by an Authorised Officer of the Firm)

Title of Officer

Name of Firm

DATE

21/12/2018

(Seal & Signature of Tenderer)

Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

SECTION 9
DRAWINGS
(To be Attached)

24/10/18

(Seal & Signature of Tenderer)

✓
Chief Engineer
B.S.E.I.D.C. Ltd, Patna
10/10/18

SECTION 10
DOCUMENTS TO BE FURNISHED BY BIDDER)
(Attached)

24/10/18

(Seal & Signature of Tenderer)

Chief Engineer
BSEIDC, Ltd, Patna
10/10/18

