

**BHEL PSSR SCT DEPT
CHENNAI
Corrigendum-3,dt:3/6/2016**

BHEL's clarifications are furnished below against some of the bidder's query sought vide letters/email for the Tender Specification BHEL PSSR SCT 1615- NCTPS Stage-III - Main Plant Civil

Sl. No.	Reference Clause in tender	Existing Provisions	Bidder's query	BHEL's Clarification
1		Soft copy of BOQ	We request you to provide soft copy of BOQ in excel format	In case of submitting the printed formats by the bidders, all other details viz item description, quantity, unit of measurement in BHEL issued price bid is binding on the bidder
2	BOQ-Item no -918.0	Providing and fixing steel louvered window with ISMC 100 frame all round including verticals with 18G pressed steel louvers, painting etc. all complete	1) Please provide Drawings for Louvered window. 2) We have presumed The ISMC 100 frame shall be measured & paid separately under structural steel item, Please confirm	1) Drawing for Louvered window will be provided during execution of work. 2) ISMC 100 frame is included in this BOQ item and not payable separately.
3	BOQ-	Item 701,704,1810	Please Confirm whether item 701, 704,1810 - Structural Steel shall be under contractor scope.	Supply of structural steel under item no-701, 704, 1810 shall be under bidder scope.
4	BOQ-705	UPVC pipes / conduits of all diameters (Unit : Quintal)	We have presumed these material to be used for electrical works (Concealed Piping) , Please confirm	UPVC pipes / conduits shall be used for cable duct bank, sleeves for opening in wall/ floor and other miscellaneous works but not for concealed electrical wiring.
5	BOQ-A923	Providing and fixing double leaf automatic sliding glass door type with fittings, fixtures, glazing including all necessary arrangement, sensor, motor, air curtain, frames, finishes, mechanical systems, electrical systems, warranty all inclusive in working condition, all complete as per specifications	We have presumed these are not Fire rated glass door.	Bidder's presumption is correct.

6	BOQ-A922 A&B	Providing and fixing master key system of profile cylinder (sea water resistant). The material of the cylinders shall be of massive brass, nickel-plated with six security pawl studs all complete as per specification and directions of engineer in charge	Please Provide the number of doors per key.	Technical specification shall be followed
7	BOQ-Item 1503	Designing, providing and fixing External sheet of Permanent colour coated metal cladding with troughed M.S. sheets of 0.6mm bare metal thickness having minimum yield strength 250 MPa and zinc-aluminium alloy coating not less than 275 gm/sqm total on both sides including fixing to supports / rails by concealed fixing system, corrosion resistant self-tapping / self-drilling type fasteners with suitable cap, flashing etc. all complete. The exposed face of the sheet shall be permanently colour coated with Polyfluro Vinyl Coating (PVF2) of minimum dry film thickness (DFT) 20 microns over suitable primer. Inner face of the sheet shall be provided with suitable precoating of minimum DFT 7 microns over suitable primer. The permanent colour coated sheet shall meet the general requirements of IS : 14246 and shall conform to class 3 for the durability	Please Consider 0.6 as TCT instead of BMT as there is a shortage in availability of these materials, Also suggest one finish paint for both internal and external sheets currently pvdf is for External and SMP is for internal	Bidder to comply with BOQ Item.
8	BOQ-Item 1505	Designing, providing and fixing Inner sheet of Permanent colour coated metal cladding with troughed M.S. sheets of 0.6mm bare metal thickness having minimum yield strength 250 MPa and zinc-aluminium alloy coating not less than 275 gm/sqm total on both sides of both sheets	Please Consider 0.6 as TCT instead of BMT as there is a shortage in availability of these materials, Also suggest one finish paint for both internal and external sheets currently pvdf is for External and SMP is for internal	Bidder to comply with BOQ Item.

9	BOQ-A1511 & 1512	<p>Providing and fixing factory made removable type self inter lockable metal panels of preformed textured PVC coated GI sheet lampre panels all complete as per specification. The panel shall be durable & environment friendly, acoustic laminate shall be made up of natural products and should not emit any volatile organic compounds & should be Sustainable & 100% biodegradable. Also it shall be Impact, chemical & fire resistant with anti-bacterial & anti-static properties with Colors & patterns permeate through the surface to reduce noticeable wear. Panel shall comprise of specially designed combination of perforated and non-perforated panels through CNC bending, punching & laser Cutting. Panel should be 0.75mm thick (sheet thickness: 0.6mm and PVC fill: 0.15mm) galvanized metal panel of approved color. The Support structure will be of modular aluminum extrusions firmly fixed / grouted on all planes as per the requirement. Structure will be made of 50 X 5 X 2 mm thick aluminum extrusion</p>	Please provide detail of vendors for this item	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.
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10	BOQ-A1513	<p>Providing and fixing Modular pre-fabricated sliding 3D metal wall cladding with acoustic property to enhance the overall interiors of walls all complete as per specification. Tile size of 600mm x 600mm with back support of aluminum extrusion frame to slide on main frame. 3D metal tile shall be made by designer 3D embossing raised to max. 43mm. Designer panelling should be Modular easy and fast to assemble concept wall to meet the acoustics of the rooms and lobbies. 42mm x 37mm 3D triangular extrusions with 60 micron Powder coating for its resistance in extreme conditions. 3D Extrusions are divided by acoustic micro perforated sheets or other composite material like fabric and acrylics with acoustic properties. System should have arrangement so that the tiles can be fixed in all directions.</p>	Please provide vendor or drawings for the same	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site. Bidder to explore in the market for the vendors
11	BOQ-A1514	<p>Providing and fixing Designer pebble lattice concept paneling consisting 600X600mm composite tiles of ASS with 5mm thick laminated toughened glass encased by extruded aluminum sections for fitment etc all complete as per specification. Structure should be made from heavy duty powder coated modular steel frame (minimum wall thickness 1.6mm to 2.0mm). The frame should be securely grouted from roof and floor with flexible joints to absorb seismic vibration. The tiles will be having cut-outs in such a way that when the tiles are rotated by 90 degrees the design pattern of the entire wall shall be changed</p>	<p>1) Please provide Drawings for this item 2) We have presumed heavy duty modular steel frame shall be measured & paid separately under structural steel item, Please confirm</p>	<p>1) Drawing will be provided during execution. 2) Heavy duty modular steel frame is included in this BOQ item and not payable separately.</p>

12	BOQ-A1609	Providing and Fixing acrylic solid surface (ASS) with 12mm thick ASS sheets of approved shades/color and duly cut on high precision CNC machines for decoration and aesthetic view purpose in plan or elevation including fittings, fixtures etc all complete as per specification	Please provide vendor & drawings for this item	1) Drawing will be provided during execution. 2) Bidder to explore in the market for the vendors
13	BOQ-1804	Supply and installation of approved 25mm thick vibration damping resilient pads on/around foundation of vibrating equipment and at other locations all complete.	Please provide vendor for this item	Bidder to explore in the market for the vendors
14	BOQ-A1813	Providing Earthing pit as per drawing with charcoal & salt, GI pipes, GI earth electrodes, GI wire, GI strips, brick chamber with covers including associated earthwork etc. all complete.(Material for GI pipes, GI earth electrodes, GI wire, GI strips shall be supplied by BHEL free of cost).	Please provide Earth pit Size	Typical Drawing is attached.
15	BOQ-A1829	Dismantling plain/re-inforced concrete work of existing skimmer bay channel including blocking of skimmer bay channel at ends for facilitating dewatering and dismantling work, dewatering, clearing/cleaning, stacking the serviceable materials at plant site and disposal of unserviceable materialsn within a lead upto 1km all complete - 5500 Cum	We have presumed dewatering shall be measured & paid seperatly ,Please confirm	Bidder's presumption is not correct.
16	BOQ-A1835 - ITEM G	Supplying and planting of best quality healthy trees or at least one year old plants of 5 (Unit in Nos)	The unit "Nos " means each tree one number or it is Plants of 5 considered as one number ,Pease clarify	The unit "Nos " means each tree one number. The numeric value mentioned is the minimum height of the tree for plantation. Item description to be read as "Supplying and planting of best quality healthy trees of at least one year old of minimum 5' height with proper foliage and well developed at spacing of 2.5mc/c to 4.5m c/c of various species of trees commonly found locally as per drawing and specification, like crotons, raja plants,

				Areca palms ,other decorative ornamental flowering plants or similar species as per specification. Rate to include for plant cost , transport, installation, watering, labour, maintenance till the proper growth of plant as per specification etc., all complete"
17	BOQ-A1836	Procurement, supply & installation of Tubular Day- Light System on the Roof top /vertical walls of the Building with Transparent prismatic Dome (Solar Collectors) of clear polycarbonate sheet of minimum 3 to 4 mm thickness and Daylight Pipe	1) Please drawings for this item 2) We have presumed steel support / frame shall be measured & paid separately under structural steel item ,Please confirm	1) Drawing will be provided during execution. 2) It is included in this item only. Item description to be read as " Analysis, Design, supply, fabrication & installation of Tubular Day-Light System on the Roof top /vertical walls of the Building with Transparent prismatic Dome (Solar Collectors) of clear polycarbonate sheet of minimum 3 to 4 mm thickness and Daylight Pipe (That Carries multiple reflections from the Daylight pipe's specular inside surface) inside the building to transfer sunlight to the indoor spaces through diffusers. The transparent dome collects sunlight from above the roof level and then the daylight pipe guides the same to the interior spaces of a building. The diffuser shall be installed as per the required lumen output as per design and specification. While installing the daylight pipe, correct type of roof flashing should be used so that no ingress of water, dust, etc. takes place at the junction between masonry Work and daylight pipe. The dome, light pipe and diffuser should be electrostatically neutral during installation. The lumens output shall be as per standard design parameters & requirement. The dome should be made of clear, UV resistant polycarbonate and should have a transmission greater than 80% , able to perform at service temperatures ranging from -10°C to 80°C.The Transparent dome having the following attributes adequate impact strength, sufficient daylight capture surface,

			<p>high transmittance for the visible spectrum i.e. 400–750 nm, surface designed to scatter light uniformly; fire resistance, U-V stabilized, U-V blocking (up to 380 nm) and capable of preventing the ingress of moisture, water, dust, anti-bird measures, etc. The Daylight pipe system should have the following features: high impact strength, high transmittance for visible portion of sunlight spectrum i.e. 400–750 nm, purest color rendition (no color shift), U-V stabilized, U-V blocking (up to 380 nm), fire resistance, low attenuation of solar radiation while traversing the length of light pipe and any bends therein, minimal transmission of heat along with daylight, (preferably) low aspect ratio (length : diameter), and arrangement for control of available sunlight. The daylight pipe and associated items are required to be maintenance free. The daylight pipe system should be made from metal and covered with a mirror film to efficiently guide the light through the hollow tube with minimal losses. The guidance system should have the following characteristics a) The Aluminum sheet should be of H-14 Temper and should have minimum thickness of 0.4mm without mirror film b) The reflective surface should be free of defects such as large bubbles and dents. c) The mirror film surface should have a luminous reflectivity of 99% and a bandwidth reflectivity of over 90% for 400 to 775nm wavelength of light incident between 0 to 80 degrees.</p> <p>The diffuser should be for the following: transmittance of required amount of daylight and to spread it efficiently throughout the space to be illuminated without glare, with visual comfort; 99% U-V blocking (up to 380</p>
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				<p>nm); resistance to impact; fire resistance; prevent ingress of moisture and dust; U-V stabilized; control of light output, including automatic/sensor controller to switching off the light during daytime or as per requirement. The diffuser system should be made from UV stabilized polycarbonate film with the following characteristics a) the films should have a visible pattern to diffuse the light uniformly. b) The film should have a minimum transmission of 85% for light incident at 0 degree. The diameter of the opening and the location shall be as per the design, drawing and specification. These includes submission of the detail drawings for engineer's approval etc. all complete</p>
18	BOQ-A2431	<p>Providing and installation of Variable message signs including Cantilever type MS supports etc. all complete as per drawings, specifications, manufacturer (Unit Each)</p>	<p>Please provide Approx size of Signage (0.1/0.2 Sqm) & Please confirm the Letter can be painting or Stickers.</p>	<p>This item description to be read as "Providing and installation of variable message signs all complete as per drawing & direction of Engineer in charge. Sign panel shall be made out of 2 mm thick aluminum sheet to be riveted/ bolted to structural frame. Sheet work shall be painted with two or more coats of synthetic enamel paint over an undercoat (primer) and back side of aluminium sheet to be painted with two or more coat of epoxy paint including approved priming coat complete. Work shall include all scaffolding, incidental & safety measures involved. (Structural frame work for sign frame including supporting structure, lettering and concrete work for post fixing shall be paid separately under relevant items of BOQ). Area of aluminium sheet shall be measured for payment." (Unit - SQM) Add on more BOQ item "Lettering with black Japan paint/ post office red/ traffic signal colour shades of</p>

				approved brand and manufacture." (Unit - Per letter per cm height)
19	BOQ-2507	<p>Conducting initial load test upto a maximum test load of 2.5 times the safe load capacity on single pile as specified in accordance with IS 2911 (Part- 4 including preparation of pile head for testing, necessary excavation, all arrangements of loading, unloading, test equipments/accessories, jacks, recording of results, labour, submission of test report but excluding the cost of installation of pile (installation of pile shall be paid separately) etc all complete as per specification, drawing and as directed by engineer in-charge for the following</p>	<p>Please provide the Capacity of pile for Considering loads for PILE Testing Works</p>	<p>The approximate safe load carrying capacities for various diameters of piles are as follows.</p> <p>1) Dia of pile- 600mm(Bored cast-in situ)</p> <p>a) safe load carrying capacity in vertical compression = 140MT..</p> <p>b) safe load carrying capacity in Lateral =7MT.</p> <p>2) Dia of pile- 760mm(Bored cast-in situ)</p> <p>a) safe load carrying capacity in vertical compression = 240MT.</p> <p>b) safe load carrying capacity in Lateral = 10.5MT</p> <p>3) Dia of pile- 600mm(Bored cast-in situ)</p> <p>a) safe load carrying capacity in vertical compression = 75MT.</p> <p>b) safe load carrying capacity in Lateral = 4.5MT.</p> <p>However actual safe load carrying capacities for various diameters of piles shall be furnished during detailed Engineering.</p>

20	BOQ-A2503	<p>Installation of Bored cast-in-situ RCC vertical pile as per IS 2911 (Part 1 Sec 2) with diameter and length as specified (length to be measured from pile cut-off level to the bottom of pile) using cement concrete grade M30 conforming to IS:456 with 20 mm nominal size stone aggregates with a minimum cement content of 400Kg per cum of concrete including providing all materials (but excluding reinforcement steel for which measurement/payment shall be made separately), boring/drilling in all types of soil, providing bentonite slurry and/or casing for stabilization of pile bore, flushing of pile bore, cleaning, providing plasticizer wherever required, breaking pile head to cut off level, exposing pile reinforcement for embedment in pile cap, disposal of chipped pile debris at identified location etc. including empty boring from ground level to pile cutoff level etc all complete as per specification, drawing and as directed by the engineer-incharge</p>	Please confirm the type of material to be used for Empty boring and also Approx. depth of Empty boring	The type of material to be used for Empty boring is same as to that of pile boring. In general depth of empty boring varies from 3m to 5m. However the same may vary beyond the 3m to 5m as well. The quoted rate shall be inclusive empty boring up to any depth as required during the execution as per drawing.
21	TCC-Cl.1.3.4.1-Power	<p>Construction power will be provided to the contractor at three points within plant area by BHEL on chargeable basis approximately within 300m from the work place at the applicable rate of TANGEDCO under LT tariff V at the nearest substation. The present LT tariff V rate of TANGEDCO is</p> <ul style="list-style-type: none"> a) Consumption charges at Rs.7.00 per unit b) Fixed charges as applicable per month c) Electricity Tax on total amount at the rate of 5% <p>Necessary "Capacitor Banks" to improve the Power factor to a minimum of 0.8 shall be provided by the contractor at his cost. Penalty if any levied by customer on this</p>	Please provide power @ Free of cost for construction purpose.	Tender condition prevails. Bidder to quote as per tender.

		account will be recovered from contractor's bills.		
22	TCC- CI.1.3.3- Land for Labor accommod ation	Contractors scope	We request you to provide the Land for Labour Camp inside the site at free of cost	Tender condition prevails. Bidder to quote as per tender.
23	TCC, 1.14.3- Wastage limit of free issue material	Reinforcement steel & Earthing Rod MS Steel : Invisible wastage (max limit to 0.5%), if any, shall be considered to be included in the specified 3 % allowable wastage.	We request you to consider Invisible wastage (max limit to 1%), if any, shall be considered to be included in the specified 5% allowable wastage as per the existing contracts , Additionally considered Rolling margin variation shall be extra over this percentages	Tender condition prevails. Bidder to quote as per tender.
24	TCC, 1.14.3- Wastage limit of free issue material	Structural Steel : Invisible wastage (max limit to 0.5%), if any, shall be considered to be included in the specified 4 % allowable wastage.	We request you to consider Invisible wastage (max limit to 1%), if any, shall be considered to be included in the specified 5% allowable wastage as per the existing contracts , Additionally considered Rolling margin variation shall be extra over this percentages	Tender condition prevails. Bidder to quote as per tender.
25	General - Labour Cess		We presume that Labour Cess is not applicable to us. Please Confirm.	Tender condition prevails. Bidder to quote as per tender.
26	General - ESI		We presume that ESI is not in Contractor Scope. Please Confirm.	Contractor shall comply with all clauses in 2.8.of GCC.
27	-Price Variation Compensat ion	PRICE VARIATION COMPENSATION for LABOUR	We request you to provide PVC for LABOUR for the Entire contract period and extended period as well	Tender condition prevails. Bidder to quote as per tender.
28	NIT-Date for submission	Date: May 25, 2016, Time :15.00 Hrs	We request you to extend the last date submission upto 10/06/2016	Refer Corrigendum-2 ,dt:21/5/2016

29	<p>1.14.1 a. Issue of Steel - Page no. 85 of Technical Conditions of Contract (TCC).</p> <p>1.14.3.2 A) Consumption - Page no. 88 of Technical Conditions of Contract (TCC)</p>	<p>Structural Steel will be issued on weightment basis.</p> <p><u>Consumption of Structural Steel.</u> The theoretical consumption of various sections shall be based on approved drawings. Weights shall be calculated considering the sectional weights as per Indian standards. No extra shall payable to the contractor for any deviation in weights for the two different procedures adopted for issue and calculation of the theoretical consumption including rolling tolerances</p>	<p>Considering the quantum of job (13,436 MT), all structural steel be issued on linear / sectional weight basis as per IS code (similar to method of measurement) in order to avoid rolling margin / weigh bridge error etc. (which will be varying from 3% to 10% approx.) so that this will not affect reconciliation of structural steel, since consumption is also based on the sectional weight as per IS code.</p> <p>(OR)</p> <p>At the time of issue of structural steel, joint record for the difference in weight between actual (weigh bridge) and IS weight shall be recorded which shall be used for reconciliation purpose. Please confirm the same.</p>	Tender condition prevails. Bidder to quote as per tender.
30	Ref: 2301.0 Price Bid Page no.130 / 127	<p>Fabrication and erection of Structural Steel rolled section / built up section / combination of both conforming to IS: 2062, Pipes conforming to IS:1161 / IS:1239, Chequered plate conforming to IS:3502, mild steel rounds, monorails, stays, safety chains, ladders, MS gratings etc,</p>	<p>We understand BHEL will issue as free issue material (FIM) all the Structural Steel rolled sections such as Beams, Channels, Angles, Plates, Sheets , Strips, Flats, Rounds, Chequered plates, Pipes, materials for M.S.gratings. Please confirm.</p>	Tender condition prevails. Bidder to quote as per tender.

31	1.7.1 Secured Advance Page no. 68 of TCC	Interest free secured advance upto maximum of 75% of the value of material (landing cost at site) for Cement, Stone aggregate required for incorporation in permanent work shall be paid.	It is requested to make secured advance payment for other materials for incorporation in permanent work such as Electro forged galvanized gratings (Item no. 2307), permanent bolt nuts (Item no. 2310, 2311), Stainless steel liner plate (item no. A2316), PTFE type sliding bearings (Item no. 2317.0), Stainless steel hand rail pipe (item no. A2319) and GI Hand railing Pipe (Item no. A2320). Please confirm.	Tender condition prevails. Bidder to quote as per tender.
32	1.7.2.1 – Advance for Mobilization Page 66 of TCC	Interest bearing advance for Mobilisation, limited to 5% of the contract value will be paid against submission of Bank Guarantee of at least 110% of the advance valid for the contract period, which will be recovered from the first running bill onwards.	We understand that the recovery against interest will be on reducing principal sum basis.	Tender condition prevails. Bidder to quote as per tender.
33	Sl.no. 2.4 of SCC , Page no.5	2.0 General Services to be rendered by the Bidder: Trial run and commissioning of individual equipment / sub-systems to the satisfaction of Owner / BHEL	As the scope of work is Civil, Structural and Architectural works, Trial run and commissioning of individual equipment / sub-systems to the satisfaction of Owner / BHEL is not applicable. Kindly confirm.	Civil agency to support and complete the works as per the construction schedule.
34	4.1.9 & 4.1.10 Page no. 8 of SCC.	4.0 Obligation of Contractor: All lubricants and chemicals required for pre-commissioning.....All services including labour and T&P will be provided by the contractor Transportation of oil drums, from stores, filling of oil for flushing.....	As the scope of work is Civil, Structural and Architectural works, Clause no. 4.1.9 & 4.1.10 Page no. 8 of SCC is not applicable for this tender. Kindly confirm.	Not applicable

35	8.3 , Page no. 24 of SCC - Statutory Inspection work	The work to be executed under these specifications has to be offered for inspection: 1) Inspectorate of Stem Boilers and Smoke Nuisance 2) Electrical Inspector 3) Factory Inspector, Labour Commissioner, PF Commissioner and other authority connected to this project work.	As the scope of work is Civil, Structural and Architectural works, Clause no. 8.3 Page no. 24 of SCC - Statutory Inspection work is not applicable for this tender. Kindly confirm	Sino 1&2 are not applicable.
36	2.15.5, Page no. 73 of GCC- Extra Works	Man-Hour rate for Eligible extra works:Single composite average labour man-hour rate, including overtime if any, supervision, use of tools and tackles and other site expenses and incidentals, consumables for carrying out any major rework/ repairs. Rectification/ modification/ fabrication as certified by site as may arise during the course of erection, testing, commissioning or extra works arising out of transit, storage and erection damages, payment, if found due will be at Rs.60/- per man hour.	It may please be noted that any rectification modification works involves Technical Skill, which can only done by the Skilled labourThe minimum rate of wages as per Ministry of Labour and Employment, New Delhi latest Circular dated 30.09.2015 for Skilled labour is Rs.448/- (for 8 Hours) which is excluding Over Time, Tools & Tackles, Site expenses incidentals and consumables.BHEL rate of Rs.60/- per man hour works out to Rs.480/- per 8 hour of works which is inclusive of Over Time, Supervision, use of tools and tackles and other site expenses and incidentals, consumables is very much inadequate. It is requested to consider the minimum rate of wages issued by Ministry of Labour and Employment, New Delhi of latest edition for extra works. Cost towards Over Time, Consumables may please be considered at actual. Please confirm.	Tender condition prevails. Bidder to quote as per tender.

37	2.05.04, Page 805 of Technical Specificatio n for Fabrication of Structural Steel work	Electrodes: All electrodes to be used under the Contracts shall be of approved reputed manufacture	Please furnish name of the BHEL approved Vendor list for welding electrodes and filler wires as the same is not mentioned in the tender. (Or) We propose to use welding electrodes& filler wires manufactured by ESAB/ ADOR / D&H Scheron/ HONAVAR/ GEE limited/MODI. Please confirm	Technical specification shall be followed. However In absense of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.
38	2301.0, Page 130 / 127 of Price Bid	Fabrication and erection of structural steel..... Hand – rails etc., including 2 coats of redoxide zinc-chromate primer.	Request to provide name of the approved vendor / manufacturer of redoxide zinc-chromate primer.	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.
39	2301.0, Page 131 / 128 of Price Bid	Fabrication and erection of structural steel..... including appointment of a separate agency, approved by BHEL, for review and approval of fabrication drgs, in consultation with BHEL.	Request to provide name of the approved agency for review and approval of fabrication drawings.	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.
40	A2302, Page 131 / 128 of Price Bid	Extra over ST No. 2301 for blastand applying self-curing Inorganic Zinc Primer Coat	1. Request to provide name of the approved vendor / manufacturer of self-curing Inorganic Zinc Primer Coat. 2. It is understood that only one coat of self-curing Inorganic Zinc Primer to be applied. -Kindly confirm.	1) In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site. 2) Bidder understanding of only one coat of self-curing Inorganic Zinc Primer is correct.
41	A2304, Page 132/129 of Price Bid	Providing and applying Intermediate coat of Polyamide cured pigmented Titanium Dioxide of approved make.	Request to provide name of the approved vendor / manufacturer of Intermediate coat of Polyamide cured pigmented Titanium Dioxide or Micaceous Iron Oxide Epoxy based paint.	In absense of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site

42	B2304, Page 132/129 of Price Bid	Providing and applying Finish coat of Polyamide Cured colour pigmented Epoxy based paint of approved make.	Request to provide name of the approved vendor / manufacturer of Finish coat of Polyamide Cured colour pigmented Epoxy based paint.	In absense of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site
43	C2304, Page 132/129 of Price Bid	Providing and applying Finish coat of Polurethane based colour pigmented paint of approved make.	Request to provide name of the approved vendor / manufacturer of Finish coat of Polurethane based colour pigmented paint.	In absense of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site
44	2307.0, Page 133/130 of Price Bid	Supplying, fabrication, erection and alignment of factory made electroforged galvanized grating units with mild steel	1. Request to provide name of the approved vendor / manufacturer of electro forged galvanized grating. 2. Kindly furnish the typical detail of drawing indicating the type (joint details, section etc) of gratings and thickness of gratings etc. pl confirm	1) In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site. 2) Drawing will be provided during execution
45	2309.0, Page 133/130 of Price Bid	Extra over above ST No. 2301 for finishing the grating units with hot dipped galvanisation @610 gm/sqm over blast cleaned steel surfaces instead of painting with two coats of red oxide zinc-chromate primer all complete	We understand that for this item fabricated gratings will be supplied by BHEL on Free of Cost. PI confirm	Structural steel for fabricating MS grating will be supplied by BHEL on free of cost basis.
46	2310.0, Page 133/130 of Price Bid	Providing and fixing in position of permanent mild steel bolts (class 4.6 as per IS:1367 and grade 'C')	Request to provide name of the approved vendor / manufacturer of permanent mild steel bolts (class 4.6 as per IS:1367 and grade 'C')	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.
47	2311.0, Page 134/131 of Price Bid	Providing and fixing in position of high strength structural bolts (of property class 8.8 and product grade 'C')	Request to provide name of the approved vendor / manufacturer of high strength structural bolts (of property class 8.8 and product grade 'C')	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.
48	A2316, Page 136/133 of Price Bid	Supply, fabrication and erection of minimum 3.15 mm thick stainless steel liner of grade SS 304; Finish Grade 2B.....	Request to provide name of the approved vendor / manufacturer of 3.15 mm thick stainless steel liner of grade SS 304; Finish Grade 2B.	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.

49	2317.0, Page 136/133 of Price Bid	Providing and fixing in position PTFE type sliding bearings of reputed manufacturer.....	Request to provide name of the approved vendor / manufacturer of PTFE type sliding bearings.	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.
50	2318.0, Page 138/135 of Price Bid	Providing and fixing flexible open ended bellow strap of neoprene of minimum thickness 2 mm and minimum width 200 mm with aluminium stripped edges.....	Request to provide name of the approved vendor / manufacturer of flexible open ended bellow strap of neoprene of minimum thickness 2 mm and minimum width 200 mm with aluminium stripped edges.	In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site.
51	A2319, Page 138/135 of Price Bid	Supply, fabrication and fixing of stainless steel hand railing and stainless steel pipe.....	1. Request to provide name of the approved vendor / manufacturer of stainless steel pipe. 2. Kindly confirm the thickness of pipe.	1. In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site. 2. Drawing will be provided during execution
52	A2320, Page 138/135 of Price Bid	Supply, fabrication and fixing of GI Pipe hand railing	1. Request to provide name of the approved vendor / manufacturer of GI Pipe. 2. Please confirm the type of surface preparation. (manual clean / blast clean). 3. Request to provide the painting specification details.	1. In absence of any vendor list from customer, contractor shall submit the vendor list with credentials for approval during execution of work at site. 2. Surface preparation shall be by manual cleaning 3. Compatible primer and paint of approved colour shall be provided
53	Packing plates/ shim plates for structural steel work.		Weight of Packing plates/ shim plates required to keep the structure in position/ level are of permanent in work nature. Hence weight of these shall also be considered for payment and also for reconciliation purpose. Please confirm.	Bidder's presumption is correct.

54	1.14.3.3, page 89 of TCC	<p>Reconciliation of materials.</p> <p>At the time of submission of bills by the contractor, if it is noticed by BHEL that the wastage is high and calls for recovery at the penal rate, then BHEL will proceed for recovery for the excess wastage-----.</p>	<p>Since, rolling margin is observed to have substantial effect, we propose that reconciliation shall be done based on actual unit weight basis, which shall be established jointly, at site by taking several representative sample of different steel sections and weighed.</p> <p>Please confirm your acceptance.</p>	Tender condition prevails. Bidder to quote as per tender.
55	Sl.no. B28, page 57 of TCC VOL-1 A, Part – I Chapter IV- Tools & Plants	Tools and Plants to be deployed by Contractor	<p>We understand that in case the contractor procures approved quality Fly ash bricks manufactured by suitable Fly ash brick plant, then mobilisation of Fly ash brick plant will not be required.</p> <p>- Please confirm</p>	Tender condition prevails. Bidder to quote as per tender.
56	Cement	Cl. 2.4.4 of Technical Spec: Civil works (Page 50 of 305 & Page270 of Vol. I Book I	<p>In the Tender condition for Sub-structure RCC/ PCC work Sulphate Resistant Cement (SRC) is proposed to be used. The uninterrupted availability of SRC would be difficult since SRC is available only with one manufacturer in Tamilnadu, on limited basis. Hence, it is proposed that Portland Slag Cement (PSC) and / or Portland Pozzolana Cement (PPC) may be permitted to be used for all piling and other cement related works below Ground level, which have been used in other projects at North Chennai. Kindly confirm.</p>	Will be clarified in separate Corrigendum

57	BOQ Item No 1829	Dismantling PCC/RCC work of existing Skimmer bay channel.	Please confirm the length and drawing/sketch with cross-sectional details of the existing Concrete skimmer bay proposed to be dismantled. This would help us to estimate the cost elements.	Approx size of existing RCC skimmer bay to be dismantled is 12m wide, 7m deep and 500m long. However, Bidder is advised to visit site to get complete details.
58		Request to extend the due date of bid submission	The proposed work is involved with a large number of specialized vendor based items of substantial value. Hence, after obtaining the detailed offers from such specialized / approved vendors after exchange of clarifications, if any, it appears that at least 14 days' additional time will be required to prepare the bid. In view of above, we would request you to kindly arrange to extend the due date of bid submission upto 08.06.2016, and confirm.	Refer Corrigendum-2 ,dt:21/5/2016
59		We are one of the leading construction companies in India executing various infrastructure projects all over the country and abroad. We are interested to participate in the subject tender.	In this context, it is to bring to your kind notice that the time given for submission of the bid is not sufficient since we have to collect field data, specially regarding piling. It is requested to please arrange to extend the date of submission of the bid by at least one month	Refer Corrigendum-2 ,dt:21/5/2016
60	VOLUME-IA PART – II CHAPTER 1 SI No. 2	PVC shall be applicable for the entire original contract period only for cement and extended period if any. PVC for Labour, High Speed Diesel Oil and Materials shall not be applicable for the entire original contract period and applicable for the extended period if any.	We request you to apply the PVC clause on Labour, High Speed Diesel Oil and Other Materials during the original as well as extended contract period based upon the monthly wholesale price indices. The base date of the same shall be the last date of submission.	Tender condition prevails. Bidder to quote as per tender.

61	TCC 1.7.4 page 69	<p>The Balance 5% of the item rate shall be released as under after completion of all works & on completion of material reconciliation and certified by BHEL Engineer.</p> <p>(a) 2.5% of the item rate amount along with 'Final Bill'.</p> <p>(b) Balance 2.5% of the item rate amount shall be retained towards 'Performance Guarantee for Workmanship' and shall become refundable after expiry of Guarantee period,..... This portion of the amount can be released on commencement of the Guarantee period, on submission of equivalent Bank Guarantee.</p>	<p>We request you to accept an upfront Bank Guarantee of 5% of the Contract value in lieu of Cash Retention.</p> <p>It shall be released as follows:</p> <p>(i) 50% of such amount on completion along with final bill.</p> <p>(ii) Balance 50% after expiry of guarantee period.</p>	Tender condition prevails. Bidder to quote as per tender.
62	TCC 1.7.2 page 68	<p>Interest bearing advance for Mobilization, limited to 5% of the contract value will be paid against submission of bank guarantee of at least 110% of the advance valid for the contract period, which will be recovered from the first running bill onwards. Payment and recovery of the advance will be as per clause 2.13 of GCC.</p> <p>Recovery rate per month shall be the sum of:</p> <p>a. Not less than 10% of Running Bill amount</p> <p>b. Simple interest up to the date of RA Bill on the outstanding Principle amount /amounts</p>	<p>We request you to provide mobilization advance @10% of the contract value. The mobilization advance should be recovered on pro-rata basis from our monthly RA Bills from the time 10% of the work is executed & paid and the recovery to be completed when 80% of the work is executed and paid for.</p>	Tender condition prevails. Bidder to quote as per tender.

63	TCC 1.8.3 page 72 TCC 1.8.4 page 72	Any other taxes and duties (except VAT & Service Tax) if any, as applicable, viz. Entry Tax, Octroi, Licenses, Deposits, Royalty, Stamp Duty, other charges / levies, etc. prevailing / applicable on the date of opening of technical bids and any variation thereof during the tenure of the contract are in the scope of bidder. In case Government imposes any new levy / tax after award of the work during the tenure of the contract, BHEL shall reimburse the same at actual on submission of documentary proof of payment subject to the satisfaction of BHEL that such new levy / tax is applicable to this contract.	In case of variation in existing tax structure i.e. increase/decrease of existing taxes, levies etc. AND/OR imposition of any new taxes, levies etc., the same shall be reimbursed at actual.	Tender condition prevails. Bidder to quote as per tender.
64	GCC 2.7.9 page 67	If the contractor fails to maintain the required progress of work which results in delay in the completion of the work as per the contractual completion period, BHEL shall have the right to impose Liquidated damage/Penalty at the rate of 0.5% of the contract value, per week of delay or part thereof subject to a maximum of 10% of the contract value.	We request you to amend the clause for LD as "In case the delay is attributable to contractor, Liquidated damage/Penalty will be imposed at the rate of 0.5% of the contract value, per week of delay or part thereof subject to a maximum of 5% of the contract value."	Tender condition prevails. Bidder to quote as per tender.
65	General		Please provide the distance of Work Area from BHEL Store for transportation of steel.	Within the plant premises only.
66	General		We presume that construction of temporary office for client/employer is beyond the scope of this contract. Please confirm.	Tender condition prevails. Bidder to quote as per tender.
67	General		We request you to provide land for labour colony free of cost inside plant premises.	Tender condition prevails. Bidder to quote as per tender.

68	TCC 1.6.7 page 66	Construction Schedule	We presume that the stipulated schedule/milestone is only indicative. The work schedule will be finalized with the contractor on award of work. Please confirm.	Detailed construction schedule shall be finalized with site after award of work.
69	NIT- due date and time for submission	Due date for tender submission:25th May	In order to make the correct & competitive cost analysis we need some more time to submit the bid as stipulated in the tender. Accordingly, we request you to extend the bid submission day for 156 days from the due date of submission.	Refer Corrigendum-2 ,dt:21/5/2016
71	BOQ Item no. 211, 507,1209, 1007	Providing and encasing of structural steel member.....	Welded wire mesh/chicken wire mesh required for encasing will be paid in same item or will be paid extra, Pl. Clarify	Cost of chicken wire mesh required for encasing is included in same the item.
72	BOQ item no.A1605		Pl. provide item description	Providing, fixing and laying metal perforated false ceiling lay in tile of 600x600 mm perforated false ceiling system exposed on "T" grid system including 50mm thick mineral wool (density 48kg/cum insulation (as per IS:8183) bound in polythene bags on top of panels etc all complete. Panel shall be fabricated from 0.56 mm thick (TCT) Aluminum / GI and powder coated on external surface shall have flange on all four sides to rest on the exposed grid system to given 600x600 mm centre to centre of 'T'. Panels will be plain for flush look with 'T'; Tiles shall have 2.5mm dia at 5 mm centre to centre in square pattern. The 'T' shall be hot dipped GS Tee section 3600 mm long main Tee 24mm wide, Cross Tee 1200 mm & Cross Tee 600mm to form grid of 600x600mm.The installation to be carried out with main runners spaced at 1200mm centres securely fixed to the slab / Truss by means of Roll Plug and 4mm dia GI rod at 1200 mm maximum

				and not more than 150mm from sliced joint. Suitable M.S. channel (minimum MC 100) grid shall also be provided above the false ceiling level for movement of personnel to facilitate maintenance of lighting fixtures, AC ducts etc. The work to be complete as per specifications, drawings and direction of engineer. (Materials for structural platform grid for movement made up of MS Channels/ Beams / Angles shall be supplied by BHEL and shall be paid under ST No 2301)
73	TCC Cl. No. 1.3.4/1.3.5	Construction power and water	It is requested to provide construction power and water at 2 points free of cost.	Tender condition prevails. Bidder to quote as per tender.
74	TCC Cl. No.1.3.3.4	Open space for labour colony	It is requested to provide land for labour colony free of cost.	Tender condition prevails. Bidder to quote as per tender.
75	TCC Chapter II	Land for storage and fabrication yard	It is requested to provide hard crushing land for storage of material, office building, canteen	Tender condition prevails. Bidder to quote as per tender.
76	TCC Chapter IV	Tool & plant Concrete batching plant 30 cum/Hr – 2 no. & Portable automatic concrete batching plant 15 cum/ hr-1 no	It is requested to allow 2 batching plant of 30 cum/Hr only as the total quantity of concrete is @ 75000 cum	Tender condition prevails. Bidder to quote as per tender.
77	General	Date of submission	It is requested to extend the bid submission date up to 8/06/2016.	Refer Corrigendum-2 ,dt:21/5/2016
78	Vol-IA PART – II Chapter-1	Price Variation	It is requested to allow price variation throughout the contract period and extended period for cement, labour, HSDO and other material	Tender condition prevails. Bidder to quote as per tender.
79	Security Deposit by Consortium partner	The consortium partner shall submit SD equivalent to 2% of the total contract value in addition to the SD to be submitted by the prime Bidder for the total contract value.	We request you to waive this clause.	Tender condition prevails. Bidder to quote as per tender.

80	GCC Cl. No. 2.7.9	Liquidated damages	The max. LD should be up to 5 % of the CV	Tender condition prevails. Bidder to quote as per tender.
81	TCC/VOL-IA-PART – I/ CH-VII/CL.1.7.2	Interest bearing advance for Mobilization . . . will be paid against submission of bank guarantee . . .	We request you to release the mobilisation advance as Interest free.	Tender condition prevails. Bidder to quote as per tender.
82	TCC/VOL-IA-PART – I/ CH-VII/CL.1.7.2	Interest bearing advance for Mobilization . . . will be paid against submission of bank guarantee . . .	We request you to provide us the present rate of interest for Mobilisation Advance and also confirm us the interest rate shall be uniform for this work.	Tender condition prevails. Bidder to quote as per tender.
83	TCC/VOL-IA-PART – I/ CH-VII/CL.1.7.2	Interest bearing advance for Mobilization, limited to 5% of the contract value will be paid . . . which will be recovered from the first running bill onwards.	We request you amend the value as 10% of the contract value and recovery of the same should start after 4th Running Bill.	Tender condition prevails. Bidder to quote as per tender.
84	TCC/VOL-IA-PART – I / CH-VII/ Cl. 1.7.3 & 1.7.4 Payment Terms	The Balance 5% of the item rate / lumpsum rate shall be released as under after completion of all works & on completion of material reconciliation and certified by BHEL Engineer.	We earnestly request you to allow us to submit Retention-Cum-Performance Guarantee for the job of 5% of the contract value in the form of Bank Guarantee valid till DLP during the execution period and hence no cash deduction shall be made from our monthly R.A. Bills on this account.	Tender condition prevails. Bidder to quote as per tender.
85	TCC/VOL-IA-PART – I/ CH-VIII/CL.1.8.3.1 Other Taxes & Levies	1.8.4.1 Any other taxes and duties (except VAT & Service Tax) if any, as applicable, viz. Entry Tax, Octroi, Licenses, Deposits, Royalty, Stamp Duty, other charges / levies, etc. prevailing / applicable on the date of opening of technical bids and any variation thereof during the tenure of the contract are in the scope of bidder. In case BHEL is forced to pay any such taxes, BHEL shall have the right to recover the same from the	We request you to kindly reimburse the difference in case of any variation for all other taxes and duties (including VAT & Service Tax) if any, as applicable, viz. Entry Tax, Octroi, Licenses, Deposits, Royalty, Stamp Duty, other charges / levies, etc. at actual on submission of documentary proof of payment. Please confirm.	Tender condition prevails. Bidder to quote as per tender.

		bidder either from running bills or otherwise as deemed fit.		
86	TCC/VOL-IA-PART – I/ CH-XIV/ CL. 1.14.3.1 A & 1.14.3.2 A	Issue & Reconciliation of Steel	We request you to consider rolling margin in your account as the supply of steel is in your scope. Please confirm.	Tender condition prevails. Bidder to quote as per tender.
87	TCC/VOL-IA-PART – II/ CH-I/CL.1.2	PRICE VARIATION COMPENSATION for LABOUR, HIGH SPEED DIESEL OIL, and MATERIALS	As considered up to original contract period, 85% component of the contract value shall be considered for PVC for extended period also instead of 55%.	Tender condition prevails. Bidder to quote as per tender.
88	TCC/VOL-IA-PART – I/ CH-III/CL.1.3.1.3.1.1	Making the water available at single point	We request you to provide us Water at least two points (Each at batching Plant & Construction site)	Tender condition prevails. Bidder to quote as per tender.
89	TCC/VOL-IA-PART – I/ CH-III/CL.1.3.1.2.1.1 & 1.3.4.1	As per clause 1.3.1.2.1.1 it is single point source and as per clause 1.3.4.1 it is three point source.	We request you to provide us Power at least three points (One at batching Plant & two at Construction site). Please confirm.	Tender condition as per clause 1.3.4.1 prevails.
90	TCC/VOL-IA-PART – II/ CH-4	Geotechnical/ soil investigation report	Please furnish the complete copy of soil investigation report together with laboratory test results thereof together with the bore hole location plan, indicating thereon the bore hole numbers vis-à-vis the location of the proposed structures.	Bore logs are furnished in the tender, upon completion the soil investigation report will be available in our office to understand.
91	General Conditions of Contract- 2.7.9	Max. Ceiling limit for Liquidated damage is 10% of the contract value for the project.	We request you to amend the maximum limit to 5% of the contract value for the project, as most of the PSUs are considering the ceiling limit as 5%.	Tender condition prevails. Bidder to quote as per tender.

92	General Conditions of Contract- Clause 1.9.1 v	Earnest Money Deposit	We understand that One Time EMD is acceptable for this tender package. Please confirm.	Tender condition prevails. Bidder to quote as per tender.
93	General Condition- PART – I/ CH- II/CL.1.2.4	The area of work shall be cleared of all vegetation, rubbish and other objectionable matter and materials removed . . . included in the unit rates rendered for the different items under bill of quantities.	We request you to kindly provide the levelled ground with free of vegetation, rubbish and other objectionable matter.	Tender condition prevails. Bidder to quote as per tender.
94	General Condition-		Please confirm the area available for laydown within plant boundary. Also request you to provide us the key plan indicating the distances of various locations (viz. Steel yard & site, Site and laydown area / Batching Plant etc.)	Laydown area available within the plant boundary.
95	Tender Notification (NIT). VOLUME- I/BOOK -I- NIT/Clause 1.0 / vi	Last date of submission of Bid is scheduled on 25.05.2016.	Considering the scope of work, we earnestly request you to extend the due date for submission of tender bids by atleast 15 days after receiving of last Addendum / clarification / errata.	Refer Corrigendum-2 ,dt:21/5/2016
96	Volume - 2 Price Bid- BOQ No:1 422.0 c	Providing and fixing acid resistance tiles as per IS:4457 – 38 mm thk.	The thickness mentioned in the said IS code is up to 20 mm. Please confirm.	Bidder to quote as per BOQ
97	Vol.II, Price Bid-BOQ Ref. no. A2503	Grade of concrete for piling is mentioned as M30	Please clarify whether concrete grade for piles is M25 or M30.	Bidder to comply with BOQ Item.

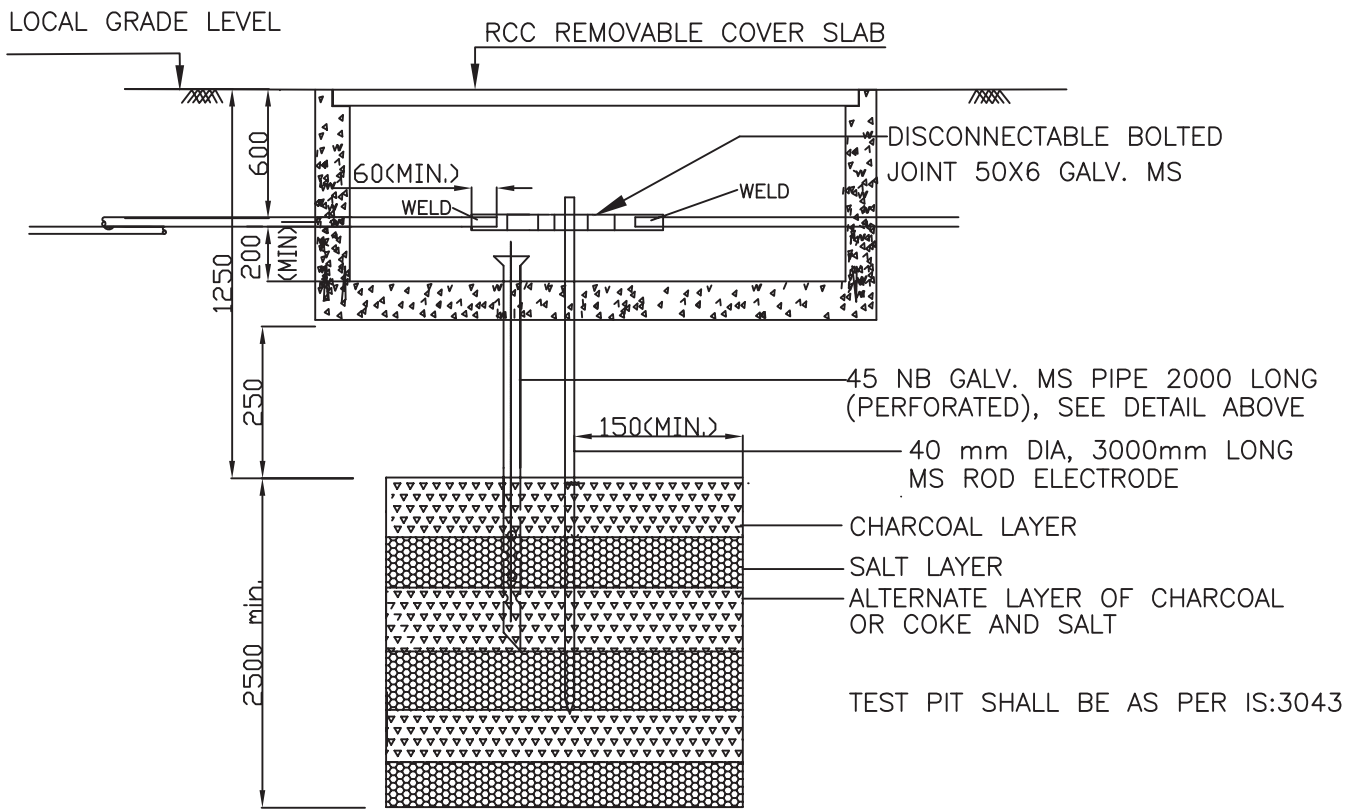
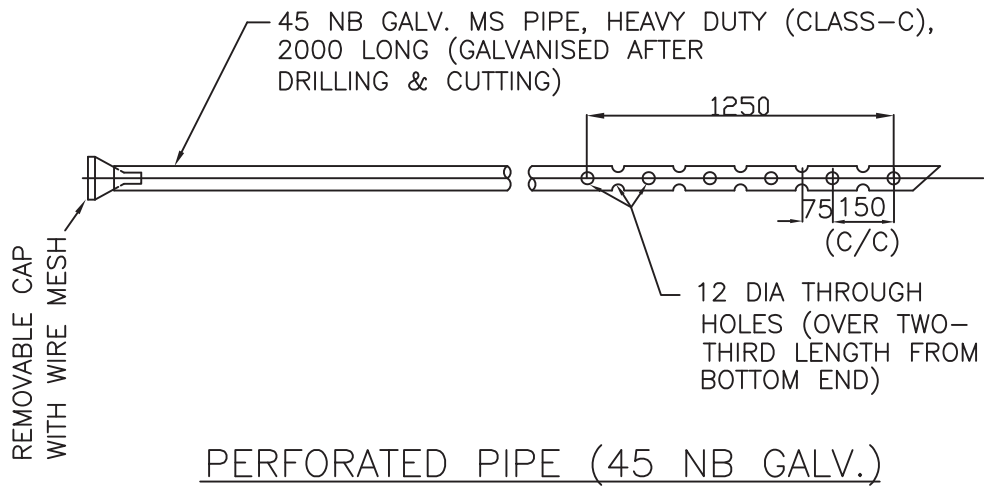
98	Vol.II B, Section D, Bored cast-in-situ RCC piles-Spec. no.PE-TS-999-600-C021, Annexure A, sheet 20 of 26.	Grade of concrete for piles is mentioned as M25.	Please clarify whether concrete grade for piles is M25 or M30.	Bidder to comply with BOQ Item.
99	Vol.II Sec.2 cl.2.4.4.1(B)-Lahmeyer India Spec. no.SE/E/T&H(P)/OT No.02/2015-16	Cement SRC or OPC depending upon water / soil.	Please indicate the type of cement to be used for piles.	Will be clarified in separate Corrigendum
100	Vol.II B, Section D- Bored cast-in-situ RCC piles, Spec. no.PE-TS-999-600-C021, Annexure A, sheet 20 of 26.	Clause A 1.1 for safe load for different dia. of piles are not indicated in the table.	Please indicate the safe vertical, lateral and pull out capacities of piles for 600mm dia. of 28.5m length below cut off level, 600mm dia. pile of 17m length below cut off level and 760mm dia. pile of 28.5m length below cut off level, since the contractors have to propose rates for conducting load tests.	The approximate safe load carrying capacities for various diameters of piles are as follows. 1) Dia of pile- 600mm(Bored cast-in situ) a) safe load carrying capacity in vertical compression = 140MT.. b) safe load carrying capacity in Lateral =7MT. 2) Dia of pile- 760mm(Bored cast-in situ) a) safe load carrying capacity in vertical compression = 240MT. b) safe load carrying capacity in Lateral = 10.5MT 3) Dia of pile- 600mm(Bored cast-in situ) a) safe load carrying capacity in vertical compression = 75MT. b) safe load carrying capacity in Lateral = 4.5MT. However actual safe load carrying capacities

				for various diameters of piles shall be furnished during execution.
101	Vol.II B, Section D, Bored cast-in-situ RCC piles-Spec. no.PE-TS-999-600-C021, Annexure A, sheet 20 of 26.	Clause A2 installation criteria and A4.	It has been indicated that a protocol shall be signed between BHEL side and Contractor regarding termination of piles. In this aspect we would like to clarify that we will be submitting a termination criteria depending upon the type of hydraulic rotary drilling rigs to be deployed at site and torque of the rigs to achieve the requisite safe axial capacities of piles and the same shall be approved by BHEL before commencement of work. Accordingly no SPT tests nor any other type of in-situ tests / rock classification or crushing strength tests whatsoever shall be conducted inside the pile bores. Please confirm.	Technical specification shall be followed.
102	Vol.II Price Bid.-BOQ Ref. A2503	In the description of item, it is mentioned that the quoted rate for piling shall include empty boring from ground level to pile cut off level.	Since empty boring is to be included in the pile installation rate below cut off level please specify the empty boring length in individual pile measured from working ground level upto pile cut off level.	In general depth of empty boring varies from 3m to 5m. However the same may vary beyond the 3m to 5m as well. The quoted rate shall be inclusive empty boring up to any depth as required during te the execution as per drawing.
103	Volume - 2 Price Bid-BOQ No. A1605	BOQ No. A1605	Item description is missing	Providing, fixing and laying metal perforated false ceiling lay in tile of 600x600 mm perforated false ceiling system exposed on "T" grid system including 50mm thick mineral wool (density 48kg/cum insulation (as per IS:8183) bound in polythene bags on top of panels etc all complete. Panel shall be fabricated from 0.56 mm thick (TCT) Aluminum / GI and powder coated on external surface shall have flange on all four sides to rest on the exposed grid system to given 600x600 mm centre to centre of 'T'. Panels

				will be plain for flush look with 'T'; Tiles shall have 2.5mm dia at 5 mm centre to centre in square pattern. The 'T' shall be hot dipped GS Tee section 3600 mm long main Tee 24mm wide, Cross Tee 1200 mm & Cross Tee 600mm to form grid of 600x600mm. The installation to be carried out with main runners spaced at 1200mm centres securely fixed to the slab / Truss by means of Roll Plug and 4mm dia GI rod at 1200 mm maximum and not more than 150mm from sliced joint. Suitable M.S. channel (minimum MC 100) grid shall also be provided above the false ceiling level for movement of personnel to facilitate maintenance of lighting fixtures, AC ducts etc. The work to be complete as per specifications, drawings and direction of engineer. (Materials for structural platform grid for movement made up of MS Channels/ Beams / Angles shall be supplied by BHEL and shall be paid under ST No 2301)
104	Volume - 2 Price Bid- BOQ No.A2112, b	C.P. Liquid paper holder	The item seems wrong. Please clarify	It should be read as C.P. liquid soap holder.
105	Item No : A 1511 / A 1512	Preformed textured PVC coated GI Lampre Panels	The product is from Italy and no importer / distributor in India is indicated by the manufacturer. It is not feasible to import a small quantity of 500 Sqm, as indicated in BOQ. Other equivalent option has to be mentioned for estimation and sourcing.	Bidder to comply with BOQ Item and technical specification.
106	Item No: A 1513	Modular prefabricated 3D designer metal wall cladding with acoustic property	Make not mentioned of modular item. More specifics with indicative drawings required to for estimation.	Bidder to comply with BOQ Item. Drawing will be provided during execution

107	Item No: A 1514	Designer pebble lattice concept paneling Rotation of 90 degrees would change the pattern.	Needs more clarification on design, pattern and any specific make. Indicative drawings / manufacturer information required for estimation.	Bidder to comply with BOQ Item. Drawing will be provided during execution
108	Item No: A 1836	Solar lights – Drawings / make required for price estimation.	Refer reply to sl no 16.	Drawing will be provided during execution.
109	Item No: A 1605	No description	No description is given. Only quantity is mentioned. Please furnish the description	Item Description: Providing, fixing and laying metal perforated false ceiling lay in tile of 600x600 mm perforated false ceiling system exposed on “T” grid system including 50mm thick mineral wool (density 48kg/cum insulation (as per IS:8183) bound in polythene bags on top of panels etc all complete. Panel shall be fabricated from 0.56 mm thick (TCT) Aluminum / GI and powder coated on external surface shall have flange on all four sides to rest on the exposed grid system to given 600x600 mm centre to centre of 'T'. Panels will be plain for flush look with 'T'; Tiles shall have 2.5mm dia at 5 mm centre to centre in square pattern. The 'T' shall be hot dipped GS Tee section 3600 mm long main Tee 24mm wide, Cross Tee 1200 mm & Cross Tee 600mm to form grid of 600x600mm.The installation to be carried out with main runners spaced at 1200mm centres securely fixed to the slab / Truss by means of Roll Plug and 4mm dia GI rod at 1200 mm maximum and not more than 150mm from sliced joint. Suitable M.S. channel (minimum MC 100) grid shall also be provided above the false ceiling level for movement of personnel to facilitate maintenance of lighting fixtures, AC ducts etc.The work to be complete as per specifications, drawings and direction of engineer.(Materials for structural platform grid for movement made up of MS Channels/ Beams / Angles shall be supplied

				by BHEL and shall be paid under ST No 2301)
110		As evident from the tender documents, there are complexities and variation in the projects, Hence, proper understanding of the scope & Owner's requirement, planning etc., are required to arrive at an economic pricing. In addition there are various interface that need to be conducted to collate substantial amount of vendor data. Further more critical examination of soil profile is required to ascertain exact methodology and materials to be adopted for the project.	We request for extension of submission date by 3 weeks from the present date of submission.	Refer Corrigendum-2 ,dt:21/5/2016
111	TCC	Land for Labour colony	We request you to provide land for Labour colony free of cost	Tender condition prevails. Bidder to quote as per tender.
ALL OTHER CONDITIONS REMAIN UNCHANGED				
-sd- AGM/SCT				



SECTION 5-5

TEST PIT