

To,

ALL BIDDERS

Subject: **Corrigendum-06:** Amendment in Tender

Tender Specification No: BHE/PW/PUR/TLRPT-RESERVOIR/2651

Job Description: Construction of Earthen Raw Water Reservoir, Raw Water Pump House, Pipeline Excavation & Backfilling, Pipe line laying & encasing, etc. **at 2x660 MW NTPC Talcher TPS**

Bidders to kindly take note of the following:

AA) PQR B & PQR C1 are being revised as below

Existing PQR	Amended PQR
B <u>Technical PQR</u> B.1: Bidder should have Executed “Piling or Civil or Structure or ‘Civil and Structural Works’ or RCC Chimney or RCC Cooling Tower or RCC Silo or Mill Bunker or any combination of these works” for any one of the following in the last seven years from latest date of bid submission: B.1.1) Executed One work of value not less than ₹ 1016 Lakhs against single work order. OR B.1.2) Executed Two works each of value not less than ₹ 635 Lakhs against maximum two work orders. OR B.1.3) Executed Three works each of value not less than ₹ 508 Lakhs against maximum three work orders. And B.2): Bidder should have executed Reinforced Cement Concrete (RCC) quantities of atleast 1704 Cum within a period of twelve consecutive months against one running/ completed contact works of 500MW or higher capacity Nuclear/coal based/lignite/ based power plant. And	B <u>Technical PQR</u> B.1: Bidder should have Executed “Piling or Civil or Structure or ‘Civil and Structural Works’ or RCC Chimney or RCC Cooling Tower or RCC Silo or Mill Bunker or any combination of these works” for any one of the following in the last seven years from latest date of bid submission: B.1.1) Executed One work of value not less than ₹ 900 Lakhs against single work order. OR B.1.2) Executed Two works each of value not less than ₹ 562.50 Lakhs against maximum two work orders. OR B.1.3) Executed Three works each of value not less than ₹ 450 Lakhs against maximum three work orders. And B.2): Bidder should have executed Reinforced Cement Concrete (RCC) quantities of atleast 1704 Cum within a period of twelve consecutive months against one running/ completed contact works of Nuclear/coal based/lignite/ based power plant of installed capacity of 500MW or higher capacity.

B.3: Bidder should have executed atleast 64286 Cum of Earthwork in filling involving mechanical compaction within a period of twelve consecutive months against one running/ completed contact works of 500MW or higher capacity Nuclear/coal based/lignite based power plant And B.4): Bidder should have executed atleast 4652 Cum of Excavation/Cutting in rock within a period of twelve consecutive months against one running/ completed contact works of 500MW or higher capacity Nuclear/coal based/lignite based power plant.	And B.3: Bidder should have executed atleast 64286 Cum of Earthwork in filling involving mechanical compaction within a period of twelve consecutive months against one running/ completed contact works of Nuclear/coal based/lignite/ based power plant of installed capacity of 500MW or higher capacity And B.4): Bidder should have executed atleast 4652 Cum of Excavation/Cutting in rock within a period of twelve consecutive months against one running/ completed contact works of Nuclear/coal based/lignite/ based power plant of installed capacity of 500MW or higher capacity
C.1) Bidders must have achieved an average annual financial turnover (audited) of Rs. 381.00 Lakhs or more over last three Financial Years (FY) i.e 2019-20 , 2020-21 & 2021-2022'	C.1) Bidders must have achieved an average annual financial turnover (audited) of Rs. 337.50 Lakhs or more over last three Financial Years (FY) i.e 2019-20 , 2020-21 & 2021-2022'

BB) The following clauses of Vol IA TCC are being amended as below:

Reference	Existing Clause	Amended as
Clause no. 2.8 of Chapter II (Scope of Work and Technical Specifications) (Page 62 of 118 of Vol IA TCC)	2.8 Field Quality Assurance: The contractor shall be responsible for day-to-day quality checks of concrete and other building materials during the progress of work. All quality records and log sheets shall be maintained as per the requirement of BHEL/BHEL'S customer and as per field quality plan approved by BHEL/ BHEL'S customer.	2.8 Field Quality Assurance: 2.8.1 The contractor shall be responsible for day-to-day quality checks of concrete and other building materials during the progress of work. All quality records and log sheets shall be maintained as per the requirement of BHEL/BHEL'S customer and as per field quality plan approved by BHEL/ BHEL'S customer. 2.8.2 Setting Up of Laboratory Works: The contractor shall set up laboratory in the very close vicinity of the work site as required field QA & QC laboratory set up and as the directions of engineer-in-charge. The laboratory shall be equipped with latest testing equipment in sufficient number to carry out all the tests as required under a contract. The contractor should ensure that the equipment is available well in advance of starting of the work to avoid stoppage of work on this account. All the tests shall be carried

Reference	Existing Clause	Amended as
		out by the contractor in the presence of the Engineer's representative and a joint record of all observations and results thereof shall be maintained, and available with the Engineer. Bidder can tie up with approved third party Lab for testing.
Note 2 of Chapter-IV (T&Ps and MMEs to be deployed by Contractor) (Page no. 94 of 118 of Vol IA TCC)	All manpower hired/deployed by Contractor for this project shall be monitored through Integrated Online Project Monitoring system by BLE beacons & LoRa backhaul. Every personnel entering in to NTPC site premises for carry out any work shall be tracked. [Separate tagging for visitors]. Geo-fencing /BLE beacon based zoning of the erection area shall be done to track workforce deployment and safety purposes. Work force monitoring Dash board (planned vs actual deployment) shall be made available. BLE beacons & LoRa backhaul shall be provided by BHEL on chargeable basis to contractor. Cost of Worker Tag (BLE beacons & LoRa backhaul) will be Rs.1000/- per tag. in case of damage or missing of issued worker tag, Rs.1500/- per tag will be charged for issuing new worker tag.	All manpower hired/deployed by Contractor for this project shall be monitored through Integrated Online Project Monitoring system by BLE beacons & LoRa backhaul. Every personnel entering in to NTPC site premises for carry out any work shall be tracked. [Separate tagging for visitors]. Geo-fencing /BLE beacon based zoning of the erection area shall be done to track workforce deployment and safety purposes. Work force monitoring Dash board (planned vs actual deployment) shall be made available. BLE beacons & LoRa backhaul shall be provided by BHEL on chargeable basis to contractor. BHEL will provide Tags free of cost for maximum 300 workers, additional tags as required shall be provided by BHEL on chargeable basis @ Rs. 1000/- per tag. In case of damage or missing of issued worker tag, Rs. 1000/- per tag will be charged for issuing new worker tag.
Clause no. 7.1 of Chapter VII (TERMS OF PAYMENT) (Page no. 98 of 118 of Vol IA NIT and TCC)	7.1: Progressive Payment/ Final Payment: The payments for works under the scope of this contract shall be as per clause no 2.6; 2.22; 2.23 of General Conditions of Contract and Volume-IB, Chapter-X of SCC. However, Clause No. 10.5 on RA Bill Payments, in Volume-IB, Chapter-X of SCC, is revised as under: <i>The payment for running bills will normally be released within 30 days of submission of running bill complete in all respects with all documents. It is the responsibility of the contractor to make his own arrangements for making timely payments towards labour wages, statutory payments, outstanding dues etc. and other dues in the meanwhile.</i>	7.1: Progressive Payment/ Final Payment: The payments for works under the scope of this contract shall be as per clause no 2.6; 2.22; 2.23 of General Conditions of Contract and Volume-IB, Chapter-X of SCC. However, Clause No. 10.5 on RA Bill Payments, in Volume-IB, Chapter-X of SCC, is revised as under: <i>The contractor will be eligible for payment of RA Bills after 30 days of submission of running bill complete in all respects with all documents. It is the responsibility of the contractor to make his own arrangements for making timely payments towards labour wages, statutory payments, outstanding dues etc. and other dues in the meanwhile.</i> All documents like HR Clearance, Quality

Reference	Existing Clause	Amended as
		and Safety Compliances, etc. required for processing the RA Bills should be submitted along with RA Bills.
Clause no. 7.2 of Chapter VII (TERMS OF PAYMENT) (Page no. 98 of 118 of Vol IA NIT and TCC)	7.2 Interim payment for Civil Works 7.2.1 In order to facilitate regular cash flow of the agency, 5% of the certified bill value shall be withheld pending submission of quality check formats/ documents 7.2.2 5% of certified bill value as mentioned in clause 7.3.1 (as above) shall be released upon submission of all such documents and certification by engineer in-charge. However, this modality shall be implemented only for RA Bills of the two consecutive months failing which the payment against RA Bill of third consecutive month shall not be paid. 7.2.3 The above withheld amount of 5% of certified bill value shall be over and above other mandatory/contractual deductions as specified in GCC/SCC	Deleted

CC) Chapter-XI WEIGHTAGES & FACTORS PERTAINING TO SCHEDULE OF QUANTITIES at page no. Page no. 108 to 118 is being revised as below

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
EARTHEN RAW WATER RESERVOIR, Pipeline Excavation & backfilling, Pipe Encasing, Valve Pit.				
1	Earth work in stripping of top soil for minimum depth of 300 mm below ground level so as to exclude all debris, grass, vegetation, bushes, trees having girth upto 300mm including roots and organic materials etc including dressing to specified levels & grades and compacting the graded/stripped surface by manual/mechanical means, disposal of stripped materials within a lead upto 1km etc all complete as per specification, drawing and as directed by the engineer-in-charge.	Sq.m	52,800	0.92829464

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
2	Earth work in excavation upto any depth below ground level in all types of soil including moorum, ash which can be excavated by any means inside reservoir/ash pond area and for foundation of reservoir/ash pond embankment and cut-off trench including site clearance, setting out, levelling, dewatering (wherever required), shoring & strutting (wherever required), dressing the sides & bottom, levelling to grade, all lifts, ramming/compacting the excavated bottom, stacking/disposal of surplus excavated materials within a lead upto 1km , spreading/levelling of disposed materials etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	94,193	8.73184179
3	Earth work in excavation upto any depth below ground level in soft rock (rock without any recovery of excavated materials in the form of hard stone/boulder) including weathered rock which can be excavated by means of crow bar, pick axe, pneumatic rock breaker attachment with excavator machine etc (but does not require chiselling or blasting) inside reservoir area and for foundation of reservoir embankment and cut-off trench including setting out, levelling, dewatering (wherever required), dressing the sides & bottom, all lifts, ramming/compacting the excavated bottom, stacking/disposal of surplus excavated materials within a lead upto 1km , spreading/levelling of disposed materials etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	6,784	1.09513194
4	Earth work in embankment filling/bed filling upto any level below/above ground level in layers not exceeding 300 mm compacted thickness with selected approved soil from compulsorily excavated soil available within a lead upto 1km and compacted so as to achieve atleast 98% of maximum dry density (Standard Proctor Test) as per IS:2720, Part-7 including setting out, re-excavation of stacked earth, sorting, handling, spreading, breaking clods, watering, ramming/compaction by manual/mechanical means, dressing, finishing to required lines, grades and slopes, tesing, dewatering if required, all lifts etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	93,751	7.94165495
5	Extra over ST No. 1, 2, 3 and 4 for carriage of soil/excavated materials for every 1 km or part thereof beyond an initial lead of 1km.	CUM	12,145	0.09705697
8	Supplying, stacking and laying sand of approved quality as sand blanket/cushion over base/bed and on slopes of embankment including screening, washing (wherever required), watering, compaction, dressing, necessary trimming if any including all leads and lifts etc all complete as per specification and as directed by the engineer-in-charge.	CUM	7,256	5.13759938

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
9	Supplying, stacking and laying sand filter of approved quality inside the body/ slope of embankment including screening, washing (wherever required), watering, compaction, dressing, necessary trimming if any including all leads and lifts etc all complete as per specification and as directed by the engineer-in-charge.	CUM	10,340	9.91587457
A10	Supplying, stacking and laying 300mm thick graded gravel filter of approved quality below/above rock-toe in slopes , on the embankment including screening, washing (wherever required), watering, compaction, dressing, necessary trimming if any including all leads and lifts etc all complete as per specification and as directed by the engineer-in-charge.	CUM	470	1.04154243
11	Providing and placing approved quality of 1mm thick heavy duty high density polyethylene liner (HDPE) film manufactured from polyethylene resin in the base/bed of reservoir as well as on side slopes of embankment to prevent seepage including joining with approved method including testing, fixing at the edges in plain cement concrete by providing 400mm wide and 300mm thick plain cement concrete 1:2:4 on the top of embankment (the cost of plain cement concrete 1:2:4 shall be excluded and shall be payable separately) as shown in the drawing etc all complete as per specification and as directed by the engineer-in-charge. Minimum width of HDPE liner shall be 6m.	SQM	40,915	5.362356
A12	Providing and laying 1000mmx1000mm size and 75mm thick cast-in-situ concrete panels of grade M-20 (with graded stone chips 12.5mm nominal size) over non-woven geotextile laid over HDPE liner at the bed/slope of reservoir etc all complete as per specification and as directed by the engineer-in-charge. The rate shall be inclusive of cement sand mortar as well. (Synthetic Polyester triangular fibre of length 12mm, effective diameter 10-40 microns and specific gravity of 1.34 to 1.40 shall be mixed in Plain Cement Concrete of grade by using 125gms of synthetic Polyester triangular fibre for 50 Kg cement used as per directions of Engineer.) (Cement shall be provided by BHEL free of cost)	SQM	40,915	19.78186236
13	Supplying, stacking and laying hand placed rock toe at the down stream side of embankment with approved quality of rock fragments including materials etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	3,047	9.44055431
14	Supplying, stacking and laying 300mm thick rip rap on the slopes of embankment with approved quality of rock fragments including materials etc all complete as per drawing, specification and as directed by the engineer-in-charge.	CUM	1,790	3.23145789

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
15	Providing and placing turfing with approved quality of grass on the outer slopes of embankment including materials, transportation, watering etc all complete as per drawing, specification and as directed by the engineer-in-charge.	SQM	2,983	0.16925474
16	Providing and laying of 900 mm diameter R.C.C hume pipes of class NP3 conforming to IS:458 with collars, jointing the pipes with 1cement : 1sand mortar and testing of joints etc all complete as per specification and as directed by the engineer-in-charge. (Cement for mortar shall be provided by BHEL free of cost)	RM	150	0.66493419
18	Providing, mixing & laying 25 mm thick compacted Semi dense bituminous concrete (SDBC) in a single course composed of suitable small size aggregate premixed with bituminous binder using medium setting grade bitumen on a prepared base including mixing, applying, rolling etc all complete.	SQM	4,432	0.86420906
19	Providing, mixing & laying of dense bituminous macadam course of specified thickness using bitumen of grade 60/70 conforming to IS 73, aggregates and binder material including hot mixing, hot laying, rolling etc all complete for the following.			
a	75mm compacted thickness	SQM	4,155	1.8362229
A20	Providing & Laying Wet mix macadam (WMM) granular base using close graded material conforming to specification, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site, for all leads & lifts, spreading in uniform layers of specified thickness on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	CUM	1,250	2.43132961
23	Providing and laying compacted 50mm thick moorum over WBM base course including watering and compaction with road roller to make required line, slope and levels etc all complete as per drawing, specification and as directed by the engineer-in-charge.	CUM	250	0.29408783
24	Providing and applying liquid seal coat comprising of an application of a layer of bituminous binder using medium setting grade bitumen at the rate of 9.8kg/10sqm followed by a cover of stone chips at the rate of 0.09 cum/10sqm including rolling etc all complete.	SQM	4,432	0.30459827
25	Providing & applying tack coat of low viscosity liquid bitumen of grade 80/100 confirming to IS 73, 217 or 454 as applicable @10 kg/ 10 sqm for untreated WBM surface including scraping, cleaning with compressed air etc all complete.	SQM	8,864	0.50294134

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
	Earth work In excavation for foundations, trenches, drains, pipelines, sumps, substructures etc, backfilling and disposal including necessary labour, materials, equipment, loading, transportation, unloading, dewatering etc as per specification, drawing and as directed by engineer- in-charge for the following.			
28	Earth work in excavation up to any depth in all types of soil including moorum, ash which can be excavated by any means including setting out, levelling, dewatering (but excluding special type of dewatering viz. well point method), shoring & strutting (wherever required), dressing the sides & bottom, all lifts, ramming/compacting the excavated bottom, stacking, disposal of surplus excavated materials within a lead upto 1km , spreading/levelling of disposed materials etc all complete.	CUM	6,224	0.5769284
A28	Earth work in excavation upto any depth below ground level in soft rock (rock without any recovery of excavated materials in the form of hard stone/boulder) including weathered rock which can be excavated by means of crow bar, pick axe, pneumatic rock breaker attachment with excavator machine etc (but does not require chiselling or blasting) inside reservoir area and for foundation of reservoir embankment and cut-off trench including setting out, levelling, dewatering (wherever required), dressing the sides & bottom, all lifts, ramming/compacting the excavated bottom, stacking/disposal of surplus excavated materials within a lead upto 1km , spreading/levelling of disposed materials etc all complete as per specification, drawing and as directed by the engineer-in-charge.	CUM	926	0.14937264
29	Back filling upto any depth below ground level around foundations, plinths, trenches, drains, pipe lines, sumps, substructures etc to proper grade and level in layers not exceeding 250 mm thickness with selected materials from compulsorily excavated soil available within a lead upto 1km and compacted so as to achieve at least 90% maximum dry density as per IS-2720 (Part-VII) including re-excavation of stacked earth, watering, ramming/compaction by manual/mechanical means, dressing etc all complete.	CUM	2,372	0.18008084
30	Extra over ST No. 28, A28 and 29 for carriage of excavated earth for every 1 km or part thereof beyond an initial lead of 1km.	CUM	4,777	0.03817547

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
	Providing and placing concrete work including cost of labour, materials and equipment for handling, transportation, batching, mixing, placing, vibrating and curing, (excluding cost of centering, shuttering and reinforcement) with mechanised equipments like batching plant, transit mixer, concrete pump etc. complete as per drawing, specifications and as per direction of engineer in charge for the following. <i>(RMC shall be provided by BHEL free of cost)</i>			
31	Concrete of grade M10 (1 part cement, 3 part sand, 6 parts of 40 mm graded aggregate by volume) as lean concrete/levelling course/encasement , mud mat under and around foundations/floors, drains, pits, sumps etc at all levels complete.	CUM	495	0.52335247
32	Concrete of grade M15 (1 part cement, 2 part sand, 4 parts of 40 mm graded aggregate by volume) as lean concrete, levelling course , mud mat under and around foundations/floors at any depth etc at all levels complete.	CUM	38	0.04017655
33	Concrete of grade 1:2:4 (1 part cement, 2 part sand, 4 parts of 20mm graded aggregate by volume) as levelling course, pipe encasement and anchoring of HDPE liner etc at all levels complete.	CUM	133	0.14061793
34	Providing and laying design mix cement concrete of grade M20 conforming to IS:456 & IS 10262-2009 for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in foundations/substructure , superstructures, drains, under floors, sumps, culverts etc at all levels including use of plasticizer/superplasticizer conforming to IS:9103 (latest) to achieve required slump in concrete all complete.	CUM	450	0.47577497
35	Providing and laying design mix cement concrete conforming to IS:456 & IS 10262-2009 for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in foundations/substructure , superstructures, drains, under floors, sumps, culverts etc at all levels including use of plasticizer/superplasticizer conforming to IS:9103 (latest) to achieve required slump in concrete all complete.			
a	M 25 Grade	CUM	36	0.03753375
b	M 30 Grade	CUM	1,135	1.20001022
A35	Providing and laying Design Mix cement concrete of grade conforming to IS:456 & IS 10262-2009 for reinforced concrete works with coarse sand and graded hard stone aggregate of 20mm nominal size in superstructure at all level above finished floor level, any shape, position or thickness etc complete including use of plasticizer/superplasticizer conforming to IS:9103 (latest) to achieve required slump in concrete all complete as per specification			

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
	& drawing for the following.			
a	M 25 Grade	CUM	239	0.25268937
b	M 30 Grade	CUM	250	0.26431943
B35	Providing and laying Design Mix cement concrete as per IS:456, IS 3370 & IS 10262-2009 for reinforced concrete works using graded aggregate for Concrete in water retaining/conveying structures including addition of suitable plastisizer cum waterproofing cement additives confirming to IS 9103 latest to achieve a slump more than 125 mm in concrete as per manufacturers recommendation and conforming to limits of permeability as per IS 2545 and specification with 20 mm nominal size graded aggregate for following grades. Watertightness is to be ensured including structural grouting if required.			
b	M 30 Grade	CUM	375	0.43214129
36	Breaking/dismantling existing concrete work at any level including reinforced concrete, removing the rubbish materials and disposal of the same within a lead of 1 km including transportation, loading, unloading etc all complete.	CUM	5	0.00614148
	Providing, fixing and removing formwork at any elevation for all structures as per specification including labour, materials, scaffolding, centering, providing pockets etc. complete as per drawing, specification and as per directions of engineer in charge for the following.			
37	Fairface form work with good quality water proof ply wood of required thickness and smooth surface at any level/elevation for foundations, footings, base of columns, walls, columns, pilasters, beams, drains, sumps mass concrete, trenches etc for enexposed/exposed concrete works all complete.	SQM	7,775	4.23726945
A37	Providing, fixing and removing formwork in block-outs/pockets and openings (below 0.1 sqm plan area) at all elevations including cutting, formation of all shapes and all other operations required for making the required shape and size all complete as per specification, drawing and instruction of engineer in charge.			
b	Pockets of depths more than 150mm and upto 300 mm depth	Each	4	0.00129462
c	Pockets of depths more than 300mm and upto 600 mm depth	Each	36	0.02085785
d	Pockets of depths more than 600mm and upto 1000 mm depth	Each	2	0.00182046
	REINFORCEMENTS			

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
38	Providing, straightening, cutting, bending, placing in position at all levels, binding in position of mild steel reinforcements conforming to grade-1 of IS:432, Part-1 in concrete including cost of reinforcement, binding wire, labour etc all complete as per specification, drawing and as directed by the engineer-in-charge.	MT	5	0.3036337
39	Transportation, straightening, cutting, bending, placing in position at all levels, binding in position of steel reinforcements of TMT steel of grade Fe-500D or 500EQR confirming to IS:1786 including cost of binding wire, labour etc all complete per specification, drawing and as directed by engineer-in-charge. (TMT shall be provided by BHEL free of cost)	MT	270	2.16936128
40	Providing and fixing suitable under drainage system consisting of PVC pressure release valve of minimum dia 100mm in water retaining structure including 160mm dia housing pipe of minimum length 3.75m with perforation as per IS4558, nylon jali, perforated end plug, collar, graded filter, excavation, fixing in concrete slab/wall etc. all complete.	EACH	492	4.01518119
41	Providing and laying of approved quality of non woven geotextile membrane including unrolling, cutting all complete as per specification and as directed by Engineer-in-charge.	SQM	40,915	2.48499424
	Roof Treatment works: Roof treatment works including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, transportation, handling, curing, sampling, testing etc at all level as per specification, drawings and as directed by engineer - in - charge. (Material used for roof treatment shall be CFC & HCFC free. The contractor shall submit documentary proof to GRIHA consultant in support of same).			
A41	Providing and applying two coats of bitumen grade 85/25 as per IS 702 (@1.7kg/sqm) with 1% antistripping compound conforming to IS 6241 in foundation, wall, column etc on concrete surfaces exposed to soil / ash including surface preparation etc. all complete.	SQM	106	0.01279122
	JOINTS AND FILLERS: Joints & fillers including all labour, material, equipment, transportation, handling etc at all level as per specification, drawings and as directed by engineer - in - charge.			
601	Supplying & installation of bitumen impregnated fibre board confirming to IS 1838 as joint filler at joints in concrete including nailing, coating of both faces with coal tar pitch/bitumin etc. all complete.			
c	25 mm wide joints	SQM	40	0.0334365

ST. NO	DESCRIPTION OF ITEM	UNIT	TOTAL	Weightage(%)
610	Providing and fixing PVC water stops in joints conforming to IS 12200 & IS 15058 all complete for the following: (Bulb or Kicker type)			
d	230 mm wide and 6 mm thick	RM	708	0.11542308
700	MS EMBEDMENTS: Embedments including all labour, material (unless otherwise specified in BOQ/contract specification), equipment, transportation, handling etc. at all level as per specification, drawings and as directed by engineer - in - charge.			
701	Supply, fabricating and fixing of mild steel embedments, inserts, pipe sleeves, angle pieces, rungs of various diameters, plates of dimensions as required etc. including welding, bolting, cutting, drilling, scaffolding, setting etc. all complete.	MT	6	0.49004463
	BRICK WORK MASONRY INCLUDING SUPPLY OF MATERIAL, COST OF LABOUR ETC. COMPLETE AS PER SPECIFICATION			
42	Providing brick work in cement sand mortar 1:6 (1 part cement: 6 part coarse sand) in walls, chambers etc at all depths, places and positions below plinth including crest drains, slope drains, toe drains, connecting drains etc on embankment at all levels including raking out joints, curing, scaffolding etc all complete excluding plastering and painting using bricks of class designation 7.5 of nominal dimensions as per specification.	CUM	200	0.88370197
43	Breaking existing brick work at any level including plastering, cutting of reinforcement, removing the rubbish within a lead of 1 km including transportation, loading, unloading etc all complete as directed by the Engineer-in-charge.	CUM	10	0.01394519
	CEMENT MORTAR PLASTER INCLUDING ALL MATERIALS, SCAFFOLDING, CURING ETC COMPLETE AS PER SPECIFICATION			
44	Providing 12mm thick plaster in walls, drains/culverts with a paste of neat cement @ 1kg/sqm and rubbed smooth with trowel etc. all complete.	SQM	1,190	0.13979561
45	Handling at site stores / storage yard, transporting to site, inspection, preassembly, erection, alignment, welding, NDT, fixing of supports, water flushing, hydro testing, surface finish, supply & application of primer & finish paints/ Anti corrosive / Wrapping and coating as applicable including labelling & flow direction on the piping, pre-commissioning for piping and its associated items, etc. as directed by Engineer-in-Charge.	MT	52	0.98632903

There is no change in Instructions to Bidders

DD) Revised Excel sheet for calculation Purpose is also being issued as part of this corrigendum.

Ref: BHE/PW/PUR/TLRPT-RESERVOIR/2651/Corg-06

Dt: 04/11/2022

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EE) Clause No 1.vii of NIT for EMD (Earnest Money Deposit) Amount: Referred clause has been amended as below:

Existing EMD Amount	Amended EMD Amount
Rs. 22,70,000/- (Rupees Twenty Two Lakh Seventy Thousand Only)	Rs. 21,25,000/- (Twenty One Lakh Twenty Five Thousand)

Note: All associated clauses of the tender shall be read accordingly.

All other Terms and conditions of the Tender Specification shall remain unaltered unless expressly amended by BHEL in writing.

Bidders are requested to submit as a part of their offer, a copy of this corrigendum duly Digitally countersigned by the authorized signatory as a token of Bidder's unqualified acceptance of this corrigendum.

BIDDERS MAY PLEASE NOTE THAT SUBJECT TENDER IS E-TENDER AND THE OFFER IS TO BE SUBMITTED ONLY IN E-PROCUREMENT PORTAL→ <https://eprocurebhel.co.in>

BIDDERS WHO HAVE ALREADY SUBMITTED THEIR OFFERS PRIOR TO ISSUANCE OF THIS CORRIGENDUM IN E-TENDER PORTAL ARE REQUIRED TO RE-SUBMIT THEIR OFFER AFTER TAKING COGNIZANCE OF THIS CORRIGENDUM.

Thanking you,
Yours Sincerely,

GM (Purchase)