

NJS ENGINEERS INDIA PVT, LTD.

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ISO 9001 Certificate No. RQ91/9493

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Ref No: NJSEI/BLR/Hebbal-STP/PRO/F1/P3/067/2017-18

Date: 14/12/2017

To,

The Executive Engineer (STP-V&H)
Bangalore Water Supply and Sewerage Board
V Valley Division, Mysore Road, Nayandahalli
Bangalore-560 039

O/C

Project: Construction of 100 MLD Capacity STP at Hebbal, Bengaluru
Subject: Basic Engineering Package-PDC-Rev 1

Ref.: Contractor's letter ENVIRO/BWSSB/HEBBAL/2017/012 dated 23 November 2017

Dear Sir,

We refer to the subject and reference cited above. The Contractor has submitted the Basic Engineering Package (BEP)-Rev 1 for the above said work.

In this regard detailed discussion was held on 30th November 2017 with the Contractor's process team and PMC. Subsequently the Contractor has resubmitted the Mass Balance Diagram.

The drawings have been reviewed and recommended in Code 'B'. The comments are enclosed in the vide Doc. No.NJSEI-HEBBAL-PRO-2017-006.

Five (5) copies of the documents are enclosed and the transmittal No. 067 contains the code.

After BWSSB has completed signing, please distribute the copies of the document and drawings as follows:

- 1 No. EE (STP-V&H)
- 1 No. for Contractor
- 3 Nos. for NJSEI

We will distribute the three NJSEI copies as below,


- 1 No. for Admin File
- 1 No. for Design Engineer
- 1 No. for Site office

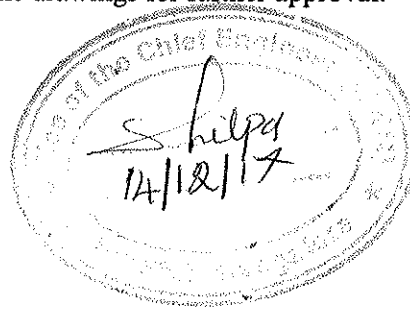
Kindly return NJSEI's three copies of the signed document and drawings to us

Further BEP will be approved in Code-A only after finalizing the equipment data sheet and related approvals.

Please advise the Contractor to revise and submit the drawings for further approval.

Yours faithfully,


Team Leader,
NJS Engineers India Pvt. Ltd.



Encl: Transmittal, 1 page
NJSEI comment sheet, 1 pages
Document and drawings, 5 copies

c.c: CE(WWM), Cauvery Bhavan, for information (no enclosures)
ACE (WWM-1), Cauvery Bhavan, for information (no enclosures)

NJSEI

TRANSMITTAL

Project: Bangalore Water Supply and Sewerage Board

Project: Design & Construction of 100 MLD Capacity STP at Hebbal, Bengaluru

Transmittal No: NJSEI/067, dated 14.12.2017

We herein convey our approval/comments on the documents enclosed Transmittal. Approval/comments conveyed herein neither relieves the vendor/contractor of his contractual obligations and his responsibilities for correctness of dimensions, materials of construction, weights, quantities, design details, assembly fits, performance requirements and conformity of the supplies with the Indian Statutory Laws as may be applicable, nor does it limit the purchaser's rights under the contract.

CODES

A – Approved, manufacture/construction may commence.		B – Acceptable subject to changes indicated. Resubmit for approval but manufacture/construction may commence.		
C – Amend as comments indicated and resubmit for Approval.		D – Comments noted in Letter/memo attached to forwarding transmittal Nr.....dated.....Amend as comments indicated and resubmit for approval.		
E – Amend as comments indicated resubmit for record.		F – Comments noted in Letter/memo attached to forwarding transmittal Nr.....dated.....Amend as comments indicated and resubmit for record.		
G – Drawing of this category is for information and hence not required to be approved.				
Sl. No.	Title	Contractor Reference	Revision	Code
1	Basic Engineering Package	ECAIPL/BWSSB/STP/HEB/P/BEP	1	B
2	Annexure-I Mass Balance Diagram	ECAIPL/BWSSB/STP/HEB/P/01	1	B
3	Annexure-II Process Flow Diagram	ECAIPL/BWSSB/STP/HEB/P/02	0	B
4	FIG.1-Typical GA Diagram of C-Tech Decanter	SFC/A3/100 MLD/BANGALORE/00/01	R0	B

NJSEI Comment Sheet**Doc. No.: NJSEI-HEBBAL-PRO-2017-006****Date: 14-12-2017**

Contractor Letter Ref No.	ENVIRO/BWSSB/HEB BAL/2017/011	Date	23-11-2017
	By Email		04-12-2017
NJSEI Received	H 055	Date	23-11-2017
	By Email		04-12-2017
Project: Design & Construction of 100 MLD STP at Hebbal with SBR and BNR, 10 years O&M			
Document Description: Mass Balance Diagram R1 (revised as per discussion on 30-11-2017)			
S.No	Comments	Document No	Status/Action
		ECAIPL/BWSSB/STP/ HEB/P/01 Rev 1	Code B
1	Primary clarifier effluent/overflow: The values of NH3-N and Org-N have been interchanged.		
2	SBR: Flow rate around SBR is not balanced		
3	Mechanical Screw Thickener: Flow rate around Mechanical Screw Thickener is not balanced		
4	Mechanical Screw Thickener & COTDM: Please specify Poly electrolyte dosing (Unit: kg/day)		